

ICCAT ROP-BFT 2023-2024**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0771</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	EREN YESİL
Observer ICCAT ID No	447
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	12/06/2023		Video conference
Date of mobilisation	11/06/2023		
Arrival to port / farm	12/06/2023		Izmir-Urla, Türkiye
Request dates	13/06/2023	06/07/2023	
Deployment period	13/06/2023	06/07/2023	
Departure from port / farm	07/07/2023		Izmir-Urla, Türkiye
Return home	08/07/2023		
Debriefing	11/07/2023		Ankara, Türkiye

The observer was jointly deployed on the farms Xxxa Group Orkinos Besiciligi Projesi (AT001TUR00005) and AK-Tuna Orkinos Besiciligi Projesi (AT001TUR00013) in accordance with Para 104 of Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-043	1094	91450	TR22900110-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/182	1273	143150
2	TUR-2023/AUT/195	990	102000
3	TUR-2023/AUT/196	1947	125221

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	13/06/2023	11:50			TUR-XXX-2023-002	TUR-XXX-2023-042	Standard	Caging	Yes	Yes
2	18/06/2023	11:00			TUR-XXX-2023-001	TUR-XXX-2023-041	Standard	Caging	Yes	Yes
3	18/06/2023	14:00			TUR-XXX-2023-003	TUR-XXX-2023-043	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1273	143150	1293	
2		Alive	990	102000	1015	
3		Alive	1947	125221	1965	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900100-G	TUR-2023/AUT/182	1273	143150
2	TR23900108-G	TUR-2023/AUT/195	990	102000
3	TR23900109-G	TUR-2023/AUT/196	1947	125221

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	TR23900100-G	TR23900012	66150
1	TR23900100-G	TR23900013	40000
1	TR23900100-G	TR23900016	5000
1	TR23900100-G	TR23900018	20000
1	TR23900100-G	TR23900024	12000
2	TR23900108-G	TR23900007	50000
2	TR23900108-G	TR23900008	32000
2	TR23900108-G	TR23900022	20000
3	TR23900109-G	TR23900020	25000
3	TR23900109-G	TR23900038	100221

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	AT00TUR00353-AT00TUR00354-AT00TUR00355-AT00TUR00356
2		Yes	2	Yes	Yes	AT00TUR00361-AT00TUR00362-AT00TUR00363-AT00TUR00364
3		Yes	3	Yes	Yes	AT00TUR00365-AT00TUR00369-AT00TUR00367-AT00TUR00368

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The cage seals were provided by the national authorities and placed at the end of the caging video.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest segregation operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0716</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Abdelhakim BELAIDI
Observer ICCAT ID No	822
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	13/08/2022		Oliva, Spain
Date of mobilisation	15/08/2022		
Arrival to port / farm	15/08/2022		Cartagena, Spain
Request dates	16/08/2022	04/11/2022	
Deployment period	16/08/2022	04/11/2022	
Departure from port / farm	05/11/2022		Cartagena, Spain
Return home	05/11/2022		
Debriefing	10/11/2022		Oliva, Spain

The deployment ended 10 days earlier than the end date of the initial request (14/11), as per request from the farm and approval by the ICCAT Secretariat.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

No information on the farm contents was provided by the farm manager.

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations performed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations performed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	16/08/2022	Fresh Export	ESP-050	Yes	Yes		
2	18/08/2022	Fresh Export	ESP-050	Yes	Yes		
3	22/08/2022	Fresh Export	ESP-050	Yes	Yes		
4	25/08/2022	Fresh Export	ESP-050	Yes	Yes		
5	15/09/2022	Fresh Export	ESP-050	Yes	Yes		
6	05/10/2022	Bulk Harvest	ESP-045	Yes	Yes		
7	06/10/2022	Bulk Harvest	ESP-045	Yes	Yes		
8	07/10/2022	Bulk Harvest	ESP-045	Yes	Yes		
9	08/10/2022	Bulk Harvest	ESP-041	Yes	Yes		
10	09/10/2022	Bulk Harvest	ESP-041	Yes	Yes		
11	10/10/2022	Bulk Harvest	ESP-041	Yes	Yes		
12	11/10/2022	Bulk Harvest	ESP-050	Yes	Yes		
13	12/10/2022	Bulk Harvest	ESP-050	Yes	Yes		
14	13/10/2022	Bulk Harvest	ESP-051	Yes	Yes		
15	14/10/2022	Bulk Harvest	ESP-051	Yes	Yes		
16	17/10/2022	Bulk Harvest	ESP-049	Yes	Yes		
17	18/10/2022	Bulk Harvest	ESP-049	Yes	Yes		
18	19/10/2022	Bulk Harvest	ESP-049	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	20/10/2022	Bulk Harvest	ESP-049	Yes	Yes		
20	21/10/2022	Bulk Harvest	ESP-049	Yes	Yes		
21	22/10/2022	Bulk Harvest	ESP-049	Yes	Yes		
22	23/10/2022	Bulk Harvest	ESP-050	Yes	Yes		
23	24/10/2022	Bulk Harvest	ESP-047	Yes	Yes		
24	26/10/2022	Bulk Harvest	ESP-047	Yes	Yes		
25	27/10/2022	Bulk Harvest	ESP-045	Yes	Yes		
26	28/10/2022	Bulk Harvest	ESP-045	Yes	Yes		
27	31/10/2022	Bulk Harvest	ESP-045	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	60	13491	60	13491
2	45	9125	45	9125
3	90	17303	90	17303
4	67	12700	67	12700

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
5	28	5881	28	5881
6	101	26090	101	26090
7	197	51210	197	51210
8	249	51445	249	51445
9	209	55386	209	55386
10	284	55146	284	55146
11	276	56706	276	56706
12	264	58361	264	58361
13	251	59442	251	59442
14	261	55877	261	55877
15	138	31556	138	31556
16	139	47002	139	47002
17	142	46457	142	46457
18	139	44253	139	44253
19	214	43590	214	43590
20	203	40793	203	40793
21	155	37080	155	37080
22	124	42730	124	42730
23	218	41558	218	41558

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
24	185	40899	185	40899
25	187	39951	187	39951
26	195	45165	195	45165
27	128	31660	128	31660

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/004/DSDT	CY22900015-HA01	60	13491	Yes	Yes	Yes
2	EU-ESP-2022/005/DSDT	CY22900015-HA02	45	9125	Yes	Yes	Yes
3	EU-ESP-2022/006/DSDT	CY22900015-HA03	50	10820	Yes	Yes	Yes
3	EU-ESP-2022/006/DSDT	FR22900832-LT01-HA01	40	6483	Yes	Yes	Yes
4	EU-ESP-2022/007/DSDT	FR22900832-LT01-HA02	67	12700	Yes	Yes	Yes
5	EU-ESP-2022/008/DSDT	FR22900832-LT01-HA03	28	5881	Yes	Yes	Yes
6	EU-ESP-2022/010/DSDT / EU-ESP-2022/011/DSDT	ES22901531-CG03-HA01	101	26090	Yes	Yes	Yes
7	EU-ESP-2022/012/DSDT / EU-ESP-2022/013/DSDT	ES22901531-CG03-HA02	129	32848	Yes	Yes	Yes
7	EU-ESP-2022/012/DSDT / EU-ESP-2022/013/DSDT	FR22900805-CG03-HA01	68	18362	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
8	EU-ESP-2022/014/DSDT / EU-ESP-2022/015/DSDT	FR22900805-CG03-HA02	249	51445	Yes	Yes	Yes
9	EU-ESP-2022/016/DSDT / EU-ESP-2022/017/DSDT	ES22901553-CG01-HA02	209	55386	Yes	Yes	Yes
10	EU-ESP-2022/018/DSDT / EU-ESP-2022/019/DSDT	FR22900822-LT01-CG01-HA01	284	55146	Yes	Yes	Yes
11	EU-ESP-2022/020/DSDT / EU-ESP-2022/021/DSDT	FR22900822-LT01-CG01-HA02	276	56706	Yes	Yes	Yes
12	EU-ESP-2022/022/DSDT / EU-ESP-2022/023/DSDT	FR22900832-LT01-HA04	264	58361	Yes	Yes	Yes
13	EU-ESP-2022/024/DSDT / EU-ESP-2022/025/DSDT	FR22900832-LT01-HA05	251	59442	Yes	Yes	Yes
14	EU-ESP-2022/026/DSDT / EU-ESP-2022/027/DSDT	FR22900836-LT01-HA01	261	55877	Yes	Yes	Yes
15	EU-ESP-2022/028/DSDT / EU-ESP-2022/029/DSDT	FR22900836-LT01-HA02	138	31556	Yes	Yes	Yes
16	EU-ESP-2022/030/DSDT / EU-ESP-2022/031/DSDT	ES22901549-CG01-HA01	139	47002	Yes	Yes	Yes
17	EU-ESP-2022/032/DSDT / EU-ESP-2022/033/DSDT	ES22901549-CG01-HA02	142	46457	Yes	Yes	Yes
18	EU-ESP-2022/034/DSDT / EU-ESP-2022/035/DSDT	ES22901549-CG01-HA03	134	43191	Yes	Yes	Yes
18	EU-ESP-2022/034/DSDT / EU-ESP-2022/035/DSDT	FR22900819-CG01-HA01	5	1062	Yes	Yes	Yes
19	EU-ESP-2022/036/DSDT / EU-ESP-2022/037/DSDT	FR22900819-CG01-HA02	214	43590	Yes	Yes	Yes
20	EU-ESP-2022/038/DSDT / EU-ESP-2022/039/DSDT	FR22900819-CG01-HA03	203	40793	Yes	Yes	Yes
21	EU-ESP-2022/040/DSDT / EU-ESP-2022/041/DSDT	FR22900819-CG01-HA04	155	37080	Yes	Yes	Yes
22	EU-ESP-2022/042/DSDT / EU-ESP-2022/043/DSDT	FR22900832-LT01-HA06	100	34146	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
22	EU-ESP-2022/042/DSDT / EU-ESP-2022/043/DSDT	FR22900836-LT01-MC01-HA01	24	8584	Yes	Yes	Yes
23	EU-ESP-2022/044/DSDT / EU-ESP-2022/045/DSDT	ES22901549-CG02-HA01	218	41558	Yes	Yes	Yes
24	EU-ESP-2022/046/DSDT / EU-ESP-2022/047/DSDT	FR22900819-CG02-HA01	185	40899	Yes	Yes	Yes
25	EU-ESP-2022/050/DSDT / EU-ESP-2022/051/DSDT	FR22900805-CG03-HA03	187	39951	Yes	Yes	Yes
26	EU-ESP-2022/054/DSDT / EU-ESP-2022/055/DSDT	ES22901549-CG02-MC01-HA01	147	34157	Yes	Yes	Yes
26	EU-ESP-2022/054/DSDT / EU-ESP-2022/055/DSDT	FR22900805-CG03-MC01-HA01	48	11008	Yes	Yes	Yes
27	EU-ESP-2022/063/DSDT / EU-ESP-2022/064/DSDT	FR22900819-CG02-MC01-HA01	128	31660	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	60	60	0	0
2	45	45	0	0
3	90	90	0	0
4	67	67	0	0
5	28	28	0	0
6	60	60	0	0
7	36	36	0	0
8	62	62	0	0
9	50	50	1	1
10	59	59	0	0
11	56	56	2	2
12	45	45	0	0
13	50	50	0	0
14	45	45	1	1
15	28	28	0	0
16	34	34	0	0
17	35	35	0	0
18	32	32	0	0
19	36	36	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	32	32	0	0
21	30	30	0	0
22	31	31	0	0
23	42	42	0	0
24	30	30	1	1
25	41	41	0	0
26	29	29	1	1
27	26	26	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
9	Double Spaghetti	BYP 053866 / BYP 008366	Null	N/A	Null	N/A	Yes	Muscle tissue
11	Single Spaghetti	BYP 083732	199	CFL	136	WHO	Yes	Muscle tissue
11	Double Spaghetti	BYP 050849 / BYP 002849	Null	N/A	Null	N/A	Yes	Muscle tissue
14	Single Spaghetti	BYP 054279	216	CFL	170	WHO	Yes	Muscle tissue
24	Single Spaghetti	AAB004828	178	CFL	117	WHO	Yes	Muscle tissue
26	Single Spaghetti	BYP 057968	Null	N/A	Null	N/A	Yes	Muscle tissue

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

There was no farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		Panama		Carrier	No	
		Panama		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0717	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Ivo Reic
Observer ICCAT ID No	280
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	20/08/2022		Remote
Date of mobilisation	21/08/2022		
Arrival to port / farm	21/08/2022		Cartagen, Spain
Request dates	22/08/2022	20/11/2022	
Deployment period	22/08/2022	20/11/2022	
Departure from port / farm	21/11/2022		Cartagena
Return home	23/11/2022		Brač, Croatia
Debriefing	22/11/2022		Torre del Greco (NA)

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-001	1150	161000	ES22901465
ESP-002	1628	217500	ES22901500
ESP-003	1390	194600	ES22901552
ESP-004	1310	183400	ES22901552
ESP-005	1400	225000	ES22901497
ESP-006	1200	138270	ES22901557
ESP-021	675	100000	ES22901463
ESP-022	1240	188687	ES22901498
ESP-023	1100	167400	ES22901498
ESP-024	630	110000	ES22901494
ESP-025	695	108000	FR22900764
ESP-025	695	108000	FR22900764
ESP-026	1350	243000	ES22901519
ESP-027	1160	176513	ES22901498
ESP-028	750	120000	ES22901504
ESP-029	1100	167400	ES22901498

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	EFD/rhb	24/08/2022	08:00	ESP-025	ESP-030R		
1	2***	EFD/rhb	24/08/2022	09:00	ESP-023	ESP-025		
1	3****	EFD/rhb	25/08/2022	09:00	ESP-025	ESP-030R		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

*** Control operation in the empty cage ESP-025

****Continuation of prior segregation operation 2 in runner cage ESP-030R

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	3	Yes	25	33375	ES22901474/FR22900764- ES22901472/FR22900762	25
2 ***	Yes	3	Yes	35	4979,1	ES22901498/FR2290777	35
3****	Yes	4	Yes	35	4979,1	ES22901498/FR2290777	35

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

*** Control operation into an empty cage (ESP-025)

****Continuation of prior segregation operation number 2 in runner cage ESP-030R

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1***	Harvest	26/08/2022	09:00			ESP-030R	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

***The runner cage ESP-030R contained live bluefin tuna from farm cages ESP-023 and ESP-025 and only one release operation was conducted.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	29/08/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
2	31/08/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
3	01/09/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
4	05/09/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
5	08/09/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
6	12/09/2022	Fresh Export	ESP-002	Yes	Yes	N/A	N/A
7	20/09/2022	Fresh Export	ESP-003	Yes	Yes	N/A	N/A
8	22/09/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
9	26/09/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
10	27/09/2022	Bulk Harvest	ESP-022	Yes	Yes		
11	28/09/2022	Bulk Harvest	ESP-022	Yes	Yes		
12	29/09/2022	Bulk Harvest	ESP-022	Yes	Yes		
13	29/09/2022	Bulk Harvest	ESP-028	Yes	Yes		
14	30/09/2022	Bulk Harvest	ESP-003	Yes	Yes		
15	01/10/2022	Bulk Harvest	ESP-003	Yes	Yes		
16	01/10/2022	Bulk Harvest	ESP-028	Yes	Yes		
17	02/10/2022	Bulk Harvest	ESP-028	Yes	Yes		
18	03/10/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	03/10/2022	Bulk Harvest	ESP-003	Yes	Yes		
20	04/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
21	05/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
22	07/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
23	10/10/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
24	10/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
25	13/10/2022	Fresh Export	ESO-002	Yes	Yes	N/A	N/A
26	16/10/2022	Bulk Harvest	ESP-027	Yes	Yes		
27	16/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
28	17/10/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
29	17/10/2022	Fresh Export	ESP-005	Yes	Yes	N/A	N/A
30	17/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
31	18/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
32	19/10/2022	Bulk Harvest	ESP-029	Yes	Yes		
33	20/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
34	21/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
35	22/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
36	22/10/2022	Bulk Harvest	ESP-029	Yes	Yes		
37	23/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
38	24/10/2022	Bulk Harvest	ESP-005	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	25/10/2022	Bulk Harvest	ESP-002	Yes	Yes		
40	31/10/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
41	31/10/2022	Fresh Export	ESP-029	Yes	Yes	N/A	N/A
42	03/11/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
43	07/11/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
44	08/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
45	09/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
46	10/11/2022	Fresh Export	ESO-023	Yes	Yes	N/A	N/A
47	10/11/2022	Bulk Harvest	ESP-006	Yes	Yes		
48	14/11/2022	Fresh Export	ESP-023	Yes	Yes	N/A	N/A
49	14/11/2022	Bulk Harvest	ESP-006	Yes	Yes		
50	15/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
51	16/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
52	17/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
53	18/11/2022	Bulk Harvest	ESP-004	Yes	Yes		
54	19/11/2022	Bulk Harvest	ESP-029	Yes	Yes		
55	20/11/2022	Bulk Harvest	ESP-026	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	82	19343	82	19343
2	15	4711	15	4711
3	39	7898	39	7898
4	77	18929	77	18929
5	39	9080	39	9080
6	72	17607	72	17607
7	65	13462	65	13462
8	33	6604	33	6604
9	64	15905	64	15905
10	262	58769	262	58769
11	357	70632	357	70632
12	167	32526	167	32526
13	119	22548	119	22548
14	360	64532	360	64532
15	51	7808	51	7808
16	228	45577	228	45577
17	356	60697	356	60697
18	21	4860	21	4860

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	160	40296	160	40296
20	140	44018	140	44018
21	190	57606	190	57606
22	200	56164	200	56164
23	55	12230	55	12230
24	107	28796	107	28796
25	34	7173	34	7173
26	119	42164	119	42164
27	10	3997	10	3997
28	34	7064	34	7064
29	27	6096	27	6096
30	133	44031	133	44031
31	128	42031	128	42031
32	117	43365	117	43365
33	142	42965	142	42965
34	142	41363	142	41363
35	125	31025	125	31025
36	29	8983	29	8983
37	160	39567	160	39567

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
38	182	39724	182	39724
39	102	21247	102	21247
40	21	4321	21	4321
41	35	8526	35	8526
42	38	9137	38	9137
43	68	17043	68	17043
44	150	45636	150	45636
45	148	41908	148	41908
46	32	7839	32	7839
47	187	59179	187	59179
48	73	16346	73	16346
49	169	42747	169	42747
50	181	42742	181	42742
51	211	46378	211	46378
52	200	41708	200	41708
53	237	46804	237	46804
54	123	42371	123	42371
55	120	42737	120	42737

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022//DSDT	IT22900980-HA01	82	19343	Yes	Yes	Yes
2	EU-ESP-2022//DSDT	IT22900980-HA02	15	4711	Yes	Yes	Yes
3	EU-ESP-2022//DSDT	IT22900980-HA04	77	18929	Yes	Yes	Yes
4	EU-ESP-2022//DSDT	IT22900980-HA04	77	18929	Yes	Yes	Yes
5	EU-ESP-2022//DSDT	IT22900980-HA05	39	9080	Yes	Yes	Yes
6	EU-ESP-2022//DSDT	IT22900980-HA06	72	17607	Yes	Yes	Yes
7	EU-ESP-2022//DSDT	ES22901552-CG01-HA01	65	13462	Yes	Yes	Yes
8	EU-ESP-2022//DSDT	ES22901498-CG02-HA01	33	6604	Yes	Yes	Yes
9	EU-ESP-2022//DSDT	ES22901498-CG02-HA02	64	15905	Yes	Yes	Yes
10	EU-ESP-2022//DSDT	ES22901498-CG01-HA01	262	58769	Yes	Yes	Yes
11	EU-ESP-2022//DSDT	FR22900777-CG01-HA01	357	70632	Yes	Yes	Yes
12	EU-ESP-2022//DSDT	FR22900777-CG01-HA02	167	32526	Yes	Yes	Yes
13	EU-ESP-2022//DSDT	ES22901504-HA01	119	22548	Yes	Yes	Yes
14	EU-ESP-2022//DSDT	IT22901018-CG01-HA01	360	64532	Yes	Yes	Yes
15	EU-ESP-2022//DSDT	ES22901552-CG01-HA03	51	7808	Yes	Yes	Yes
16	EU-ESP-2022//DSDT	FR22900784-HA02	228	45577	Yes	Yes	Yes
17	EU-ESP-2022//DSDT	IT22901018-CG01-HA03	356	60697	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
18	EU-ESP-2022//DSDT	ES22901498-CG02-HA03	21	4860	Yes	Yes	Yes
19	EU-ESP-2022//DSDT	ES22901552-CG01-HA04	27	6313	Yes	Yes	Yes
19	EU-ESP-2022//DSDT	IT22901018-CG01-HA04	133	33983	Yes	Yes	Yes
20	EU-ESP-2022//DSDT	ES22901465-HA01	140	44018	Yes	Yes	Yes
21	EU-ESP-2022//DSDT	IT22900961-LT01-HA01	190	57606	Yes	Yes	Yes
22	EU-ESP-2022//DSDT	IT22900961-LT01-HA02	200	56164	Yes	Yes	Yes
23	EU-ESP-2022//DSDT	ES22901498-CG02-HA05	55	12230	Yes	Yes	Yes
24	EU-ESP-2022//DSDT	ES22901465-HA02	107	28796	Yes	Yes	Yes
25	EU-ESP-2022//DSDT	IT22901018-CG01-MC01-HA01	34	7173	Yes	Yes	Yes
26	EU-ESP-2022//DSDT	FR22900777-CG03-HA01	119	42164	Yes	Yes	Yes
27	EU-ESP-2022//DSDT	ES22901465-HA03	10	3997	Yes	Yes	Yes
28	EU-ESP-2022//DSDT	ES22901498-CG02-HA06	34	7064	Yes	Yes	Yes
29	EU-ESP-2022//DSDT	ES22901497-HA01	27	6096	Yes	Yes	Yes
30	EU-ESP-2022//DSDT	ES22901497-HA02	133	44031	Yes	Yes	Yes
31	EU-ESP-2022//DSDT	ES22901497-HA03	128	42031	Yes	Yes	Yes
32	EU-ESP-2022//DSDT	ES22901498-CG04-HA02	117	43365	Yes	Yes	Yes
33	EU-ESP-2022//DSDT	IT22900978-CG01-HA02	142	42965	Yes	Yes	Yes
34	EU-ESP-2022//DSDT	IT22900978-CG01-HA03	142	41363	Yes	Yes	Yes
35	EU-ESP-2022//DSDT	IT22900978-CG01-HA04	125	31025	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
36	EU-ESP-2022//DSDT	FR22900777-CG04-HA02	29	8983	Yes	Yes	Yes
37	EU-ESP-2022//DSDT	IT22900978-CG01-HA05	160	39567	Yes	Yes	Yes
38	EU-ESP-2022//DSDT	IT22900978-CG01-HA06	182	39724	Yes	Yes	Yes
39	EU-ESP-2022//DSDT	ES22901465-MC01	11	3955	Yes	Yes	Yes
39	EU-ESP-2022//DSDT	IT22900961-LT01-MC01-HA01	59	12232	Yes	Yes	Yes
39	EU-ESP-2022//DSDT	IT22901018-CG01-MC01-HA02	32	5060	Yes	Yes	Yes
40	EU-ESP-2022//DSDT	ES22901498-CG02-HA09	21	4321	Yes	Yes	Yes
41	EU-ESP-2022//DSDT	FR22900777-CG04-HA04	35	8526	Yes	Yes	Yes
42	EU-ESP-2022//DSDT	FR22900777-CG02-HA01	38	9137	Yes	Yes	Yes
43	EU-ESP-2022//DSDT	FR22900777-CG02-HA02	68	17043	Yes	Yes	Yes
44	EU-ESP-2022//DSDT	ES22901552-CG02-HA01	150	45636	Yes	Yes	Yes
45	EU-ESP-2022//DSDT	ES22901552-CG02-HA02	148	41908	Yes	Yes	Yes
46	EU-ESP-2022//DSDT	ES22901498-CG02-HA010	32	7839	Yes	Yes	Yes
47	EU-ESP-2022//DSDT	ES22901557	151	48593	Yes	Yes	No
47	EU-ESP-2022//DSDT	IT22901022-HA01	36	10586	Yes	Yes	No
48	EU-ESP-2022//DSDT	ES22901498-CG02-HA011	2	570	Yes	Yes	Yes
48	EU-ESP-2022//DSDT	FR22900777-CG02-HA03	71	15776	Yes	Yes	Yes
49	EU-ESP-2022//DSDT	IT22901022-HA02	169	42747	Yes	Yes	Yes
50	EU-ESP-2022//DSDT	ES22901552-CG02-HA03	18	4674	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
50	EU-ESP-2022//DSDT	IT22901018-CG02-HA01	163	38058	Yes	Yes	Yes
51	EU-ESP-2022//DSDT	IT22901018-CG02-HA02	211	46378	Yes	Yes	Yes
52	EU-ESP-2022//DSDT	IT22901018-CG02-HA03	200	41708	Yes	Yes	Yes
53	EU-ESP-2022//DSDT	IT22901018-CG02-HA04	237	46804	Yes	Yes	Yes
54	EU-ESP-2022//DSDT	FR22900777-CG02-HA05	123	42371	Yes	Yes	Yes
55	EU-ESP-2022//DSDT	ES22901519-CG01-HA06	120	42737	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	82	82	0	0
2	15	15	0	0
3	39	39	0	0
4	77	77	0	0
5	39	39	0	0
6	72	72	0	0
7	65	65	0	0
8	33	33	0	0
9	64	64	0	0
10	29	29	0	0
11	39	357	0	0
12	22	167	0	0
13	12	119	0	0
14	27	360	0	0
15	6	51	0	0
16	27	228	0	0
17	37	356	0	0
18	21	21	0	0
19	20	160	0	0

20	21	140	0	0
21	21	190	0	0
22	28	200	0	0
23	55	55	0	0
24	11	107	0	0
25	34	34	0	0
26	15	119	0	0
27	3	10	0	0
28	34	34	0	0
29	27	27	0	0
30	15	133	0	0
31	17	128	0	0
32	15	117	0	0
33	16	142	0	0
34	17	142	0	0
35	14	125	0	0
36	7	29	0	0
37	19	160	0	0
38	20	182	0	0
39	13	102	0	0
40	21	21	0	0
41	35	35	0	0

42	38	38	0	0
43	68	68	0	0
44	19	150	0	0
45	20	148	0	0
46	32	32	0	0
47	21	187	0	0
48	73	73	0	0
49	21	169	0	0
50	22	181	0	0
51	25	211	0	0
52	26	200	0	0
53	26	237	0	0
54	13	123	0	0
55	14	120	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Italy		Farm	No	PC-631

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0720	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	ANGELO OLIVERI
Observer ICCAT ID No	029
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	08/09/2022		REMOTE
Date of mobilisation	09/09/2022		
Arrival to port / farm	09/09/2022		L'AMETLLA DE MAR (TARRAGONA), SPAIN/xxx
Request dates	10/09/2022	09/12/2022	
Deployment period	10/09/2022	09/12/2022	
Departure from port / farm	10/12/2022		xxx, S.L./ PALERMO
Return home	10/12/2022		
Debriefing	21/12/2022		ACIREALE (CT)

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP011	393	-	ES22901550-CG02
ESP011	197	-	FR22900820-CG02
ESP011	85	-	IT22901015-CG02
ESP012	522	-	ES22901469
ESP012	261	-	FR22900756
ESP012	114	-	IT22900966
ESP014	4	-	ES21901558
ESP014	9	-	ES21901559
ESP014	7	-	ES21901560
ESP014	6	-	ES21901562
ESP014	5	-	ES21901564
ESP014	2	-	ES21901566
ESP014	2	-	ES21901567
ESP014	38	-	ES21901579
ESP014	1	-	ES21901588
ESP014	4	-	ES21901607
ESP014	11	-	ES21901620
ESP014	1	-	ES21901622
ESP014	18	-	FR21900723

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP014	1	-	FR21900724
ESP014	20	-	FR21900725
ESP014	7	-	FR21900734
ESP014	18	-	FR21900735
ESP014	15	-	FR21900760
ESP014	3	-	FR21900774
ESP014	1	-	FR21900805
ESP014	22	-	FR21900806
ESP016	1447	-	ES22901468-CG02
ESP016	786	-	FR22900755-CG02
ESP016	344	-	IT22900965-CG02
ESP018	802	-	ES22901513
ESP018	270	-	ES22901516
ESP018	402	-	FR22900788
ESP018	134	-	FR22900794
ESP018	175	-	IT22900993
ESP018	59	-	IT22900994
ESP020	230	-	ES22901530
ESP020	114	-	FR22900803
ESP020	51	-	IT22901002
ESP021	797	-	ES22901566

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP021	399	-	FR22900828-CG01
ESP021	174	-	IT22901030-LT01
ESP022	679	-	ES22901499
ESP022	339	-	FR22900778
ESP022	148	-	IT22900979
ESP024	179	-	ES22901528
ESP024	20	-	ES22901529
ESP024	187	-	ES22901548
ESP024	11	-	FR22900799
ESP024	67	-	FR22900802
ESP024	57	-	FR22900818
ESP024	42	-	IT22900999
ESP024	19	-	IT22901014
ESP026	920	-	ES22901468-CG01
ESP026	373	-	FR22900755-CG01
ESP026	139	-	IT22900965-CG01
ESP028	319	-	ES22901550-CG01
ESP0028	160	-	FR22900820-CG01
ESP0028	100	-	IT22901015-CG01
ESP004	7	-	ES22901475
ESP004	389	-	ES22901529

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP004	36	-	FR22900765
ESP004	19	-	IT22900967
ESP004	20	-	IT22901000
ESP005	1668	-	ES22901496-CG01
ESP005	417	-	FR22900776-CG01
ESP005	182	-	IT22900977-CG01
ESP006	647	-	ES22901496-CG02
ESP006	400	-	FR22900776-CG02
ESP006	142	-	IT22900977-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
 There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
 ** Standard / Inter-farm Transfer / Trap
 *** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
 ** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	EFD/rhb	21/09/2022	09:20	ESP020	ESPJC21		
1***	2***	EFD/rhb	21/09/2022	11:54	ESPJC021	ESP020		
2	3	EFD/rhb	05/10/2022	09:11	ESP014	ESPJC22		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

*** The reported prior segregation operation has been carried out after a first pre-release. The release order provided for the release of 259 BFTs (weight 28.402,509) but during the required pre-release 300 BFTs have been transferred to the runner cage JC021. In order to release the required amount of fish, as reported in the release order, a control pre-release operation has been carried out to transfer the specimens in excess from the runner cage JC021 back to the farm cage ESP020.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	5	Yes	300	N/A	ES22901530/FR22900803/IT22901002	300
2***	Yes	5	Yes	50	N/A	ES22901530/FR22900803/IT22901002	50
3****	Yes	5	Yes	140	N/A	-	140

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor; 3 = average; 4= good 5 = excellent).

*** The reported prior segregation operation has been carried out after a first pre-release. The release order provided for the release of 259 BFTs (weight 28.402,509 kg) but during the first operation of pre-segregation 300 BFTs have been transferred to the runner cage JC021. In order to release the required amount of fish, as reported in the release order, a *control pre-release operation* has been implemented to transfer the specimens in excess from the runner cage JC021 back to the farm cage ESP020.

**** On September 14, 2022 the company xxx reported having reached the number of tuna authorised for harvest from JFO 2021-13. Once the harvest operations have been completed, a surplus of BFT has been identified in cage ESP014 and has been ordered to be *released in full*. See the eBCDs of reference in *Table 1: Summary of bluefin tuna per cage*.

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1***	Not-Linked	22/09/2022	12:06			JC021	Yes	Yes	Yes	Yes
2	Not-Linked	06/10/2022	08:45			JC022	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

*** The observer has evaluated the release of 250 BFTs. Quantity of BFT to be released as required on the release order EFD/rhb: 259 pieces - 28.402,509 kg weight.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	23/11/2022	ESP006	ESP007	EFD/RHB/1

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
1	2	581,85	ES22901496-CG02-MC01	Yes	2	N/A

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	12/09/2022	Fresh Export	14	Yes	Yes	N/A	N/A
2	13/09/2022	Fresh Export	24	Yes	Yes	N/A	N/A
3	15/09/2022	Fresh Export	24	Yes	Yes	N/A	N/A
4	15/09/2022	Incidental / Natural Mortality	24	Yes	Yes	N/A	N/A
5	16/09/2022	Fresh Export	24	Yes	Yes	N/A	N/A
6	19/09/2022	Fresh Export	6	Yes	Yes	N/A	N/A
7	20/09/2022	Fresh Export	24	Yes	Yes	N/A	N/A
8	22/09/2022	Fresh Export	4	Yes	Yes	N/A	N/A
9	23/09/2022	Fresh Export	24	Yes	Yes	N/A	N/A
10	26/09/2022	Fresh Export	16	Yes	Yes	N/A	N/A
11	26/09/2022	Incidental / Natural Mortality	16	Yes	Yes	N/A	N/A
12	28/09/2022	Fresh Export	16	Yes	Yes	N/A	N/A
13	29/09/2022	Fresh Export	16	Yes	Yes	N/A	N/A
14	03/09/2022	Fresh Export	16	Yes	Yes	N/A	N/A
15	04/09/2022	Fresh Export	16	Yes	Yes	N/A	N/A
16	04/09/2022	Incidental / Natural Mortality	16	Yes	Yes	N/A	N/A
17	07/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A
18	10/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	11/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A
20	13/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A
21	14/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A
22	17/10/2022	Fresh Export	16	Yes	Yes	N/A	N/A
23	18/10/2022	Fresh Export	26	Yes	Yes	N/A	N/A
24	19/10/2022	Fresh Export	26	Yes	Yes	N/A	N/A
25	20/10/2022	Fresh Export	26	Yes	Yes	N/A	N/A
26	21/10/2022	Fresh Export	26	Yes	Yes	N/A	N/A
27	24/10/2022	Fresh Export	26	Yes	Yes	N/A	N/A
28	25/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
29	26/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
30	27/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
31	28/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
32	30/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
33	31/10/2022	Fresh Export	6	Yes	Yes	N/A	N/A
34	02/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
35	03/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
36	04/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
37	07/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
38	07/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	08/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
40	09/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
41	10/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
42	11/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
43	14/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
44	15/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
45	17/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
46	18/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
47	18/11/2022	Incidental / Natural Mortality	26	Yes	Yes	N/A	N/A
48	21/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
49	21/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
50	23/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
51	23/11/2022	Fresh Export	7	Yes	Yes	N/A	N/A
52	24/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
53	25/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
54	28/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
55	29/11/2022	Fresh Export	26	Yes	Yes	N/A	N/A
56	30/11/2022	Fresh Export	6	Yes	Yes	N/A	N/A
57	01/12/2022	Fresh Export	6	Yes	Yes	N/A	N/A
58	02/12/2022	Fresh Export	26	Yes	Yes	N/A	N/A

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
59	04/12/2022	Fresh Export	26	Yes	Yes	N/A	N/A
60	05/12/2022	Fresh Export	28	Yes	Yes	N/A	N/A
61	07/12/2022	Fresh Export	26	Yes	Yes	N/A	N/A
62	09/12/2022	Fresh Export	6	Yes	Yes	N/A	N/A

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	195	26663	195	26663
2	65	13223,74	65	13223,74
3	35	6412,33	35	6412,33
4	1	127,2	1	127,2
5	58	8797,76	58	8797,76
6	156	27538,03	156	27538,03
7	87	11220	87	11220
8	45	5347,8	45	5347,8
9	93	10660,76	93	10660,76
10	159	42455,68	159	42455,68
11	1	322,8	1	322,8
12	16	3959,5	16	3959,5
13	93	21809,46	93	21809,46
14	148	30787,99	148	30787,99
15	53	14634	53	14634
16	1	311,88	1	311,88
17	80	20864,66	80	20864,66
18	138	36094,3	138	36094,3

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	25	7867,2	25	7867,2
20	17	4736,4	17	4736,4
21	72	16655,12	72	16655,12
22	135	36793,62	135	36793,62
23	21	5449,41	21	5449,41
24	20	5191,2	20	5191,2
25	19	5097,05	19	5097,05
26	68	19164,4	68	19164,4
27	125	35177,38	125	35177,38
28	15	4351,2	15	4351,2
29	16	4305,13	16	4305,13
30	22	4860,05	22	4860,05
31	71	15743,29	71	15743,29
32	66	17707	66	17707
33	50	13280,86	50	13280,86
34	26	7587,6	26	7587,6
35	28	7167,77	28	7167,77
36	84	21038,6	84	21038,6
37	78	20242,65	78	20242,65

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
38	53	11528,4	53	11528,4
39	23	7071,6	23	7071,6
40	31	9295,41	31	9295,41
41	55	15316,22	55	15316,22
42	99	23981,12	99	23981,12
43	75	19525,2	75	19525,2
44	47	13667,22	47	13667,22
45	28	7401,62	28	7401,62
46	84	22243,98	84	22243,98
47	1	258	1	258
48	78	24565,68	78	24565,68
49	73	19055,66	73	19055,66
50	7	1761,6	7	1761,6
51	2	581,95	2	581,95
52	19	5316	19	5316
53	78	21033,66	78	21033,66
54	139	42908,59	139	42908,59
55	10	3233,14	10	3233,14
56	13	4095,6	13	4095,6

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
57	21	5866,11	21	5866,11
58	85	27688,18	85	27688,18
59	100	31698,66	100	31698,66
60	30	7392	30	7392
61	31	10234,8	31	10234,8
62	75	21047,21	75	21047,21

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	N°EU-ESP/2022/0216/DST	FR21900735-MC03-MC01-HA01	18	2721,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0217/DST	ES21901620-CG02-MC01-HA04	11	1620	Yes	Yes	Yes
1	N°EU-ESP/2022/0218/DST	ES21901562-CG01-MC01-HA02	3	572,4	Yes	Yes	Yes
1	N°EU-ESP/2022/0219/DST	FR21900806-CG02-MC01-HA01	22	3269,79	Yes	Yes	Yes
1	N°EU-ESP/2022/0220/DST	ES21901579-CG02-MC01-HA09	26	4043,87	Yes	Yes	Yes
1	N°EU-ESP/2022/0221/DST	FR21900724-MC01-HA01	1	141,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0222/DST	ES21901562-CG02-MC01-MC01	3	737,89	Yes	Yes	Yes
1	N°EU-ESP/2022/0223/DST	FR21900725-MC01-MC01-HA01	20	2610	Yes	Yes	Yes
1	N°EU-ESP/2022/0224/DST	FR21900723-MC01-HA01	18	2656,8	Yes	Yes	Yes
1	N°EU-ESP/2022/0225/DST	ES21901579-CG03-MC01-HA01	12	1617,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0226/DST	FR21900734-MC01-HA01	7	739,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0227/DST	FR21900760-CG03-MC01-MC01-HA02	8	1072,8	Yes	Yes	Yes
1	N°EU-ESP/2022/0228/DST	ES21901560-MC01-HA01	7	691,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0229/DST	ES21901559-MC01-HA02	9	958,8	Yes	Yes	Yes
1	N°EU-ESP/2022/0230/DST	ES21901564-MC01-MC01-HA01	5	559,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0231/DST	FR21900760-CG02-MC01-HA01	6	561,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0232/DST	ES21901607-MC01-MC01-MC01-HA01	4	411,6	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	N°EU-ESP/2022/0233/DST	FR21900774-CG01-MC01-MC01-MC01-HA01	2	205,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0234/DST	ES21901566-MC01-MC01-HA01	2	198	Yes	Yes	Yes
1	N°EU-ESP/2022/0235/DST	ES21901567-MC01-MC01-MC01-HA01	2	236,4	Yes	Yes	Yes
1	N°EU-ESP/2022/0236/DST	ES21901588-CG02-MC01-HA01	1	116,4	Yes	Yes	Yes
1	N°EU-ESP/2022/0237/DST	ES21901558-MC01-MC01-HA04	1	87,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0238/DST	ES21901558-MC01-MC01-HA03	1	205,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0239/DST	FR21900760-CG01-MC01-HA01	1	87,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0240/DST	ES21901558-MC01-MC01-HA01	1	126	Yes	Yes	Yes
1	N°EU-ESP/2022/0241/DST	ES21901558-MC01-MC01-HA02	1	87,6	Yes	Yes	Yes
1	N°EU-ESP/2022/0242/DST	ES21901622-CG02-MC01-MC01-HA01	1	76,08	Yes	Yes	Yes
1	N°EU-ESP/2022/0243/DST	FR21900805-LT01-CG02-MC01-HA06	1	109,2	Yes	Yes	Yes
1	N°EU-ESP/2022/0244/DST	FR21900774-CG02-MC01-HA01	1	141,6	Yes	Yes	Yes
2	N°EU-ESP/2022/0245/DST	ES22901548-HA012	15	3394,2	Yes	Yes	Yes
2	N°EU-ESP/2022/0246/DST	FR22900818-HA05	50	9829,54	Yes	Yes	Yes
3	N°EU-ESP/2022/0247/DST	IT22901014-HA03	15	2682,73	Yes	Yes	Yes
3	N°EU-ESP/2022/0248DST	ES22901548-HA013	20	3729,6	Yes	Yes	Yes
4	N°EU-ESP/2022/0249DST	IT22901014-HA04	1	127,2	Yes	Yes	Yes
5	N°EU-ESP/2022/0250/DST	ES22901548-HA014	20	2906,48	Yes	Yes	Yes
5	N°EU-ESP/2022/0251/DST	ES22901548-HA015	38	5891,28	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
6	N°EU-ESP/2022/0252/DST	ES22901529-HA013	20	4169,88	Yes	Yes	Yes
6	N°EU-ESP/2022/0253/DST	ES22901529-HA015	37	6444,55	Yes	Yes	Yes
6	N°EU-ESP/2022/0254/DST	ES22901529-HA016	99	16923,6	Yes	Yes	Yes
7	N°EU-ESP/2022/0256/DST	ES22901529-HA017	20	2594,4	Yes	Yes	Yes
7	N°EU-ESP/2022/0256/DST	FR22900802-HA07	67	8625,6	Yes	Yes	Yes
8	N°EU-ESP/2022/0258/DST	ES22901529-HA018	45	5347,8	Yes	Yes	Yes
9	N°EU-ESP/2022/0259/DST	ES22901548-HA016	19	2375,96	Yes	Yes	Yes
9	N°EU-ESP/2022/0260/DST	ES22901548-HA017	74	8284,8	Yes	Yes	Yes
10	N°EU-ESP/2022/0261/DST	ES22901468-CG02-HA01	30	8543,65	Yes	Yes	Yes
10	N°EU-ESP/2022/0262/DST	ES22901468-CG02-HA02	68	18901,22	Yes	Yes	Yes
10	N°EU-ESP/2022/0263/DST	ES22901468-CG02-HA03	61	15010,81	Yes	Yes	Yes
11	N°EU-ESP/2022/0264/DST	ES22901468-CG02-HA04	1	322,8	Yes	Yes	Yes
12	N°EU-ESP/2022/0265/DST	ES22901468-CG02-HA05	16	3959,5	Yes	Yes	Yes
13	N°EU-ESP/2022/0266/DST	ES22901468-CG02-HA06	93	21809,46	Yes	Yes	Yes
14	N°EU-ESP/2022/0267/DST	ES22901468-CG02-HA07	31	9156,45	Yes	Yes	Yes
14	N°EU-ESP/2022/0268/DST	ES22901468-CG02-HA08	40	10696,73	Yes	Yes	Yes
14	N°EU-ESP/2022/0269/DST	ES22901468-CG02-HA09	77	10934,81	Yes	Yes	Yes
15	N°EU-ESP/2022/0270/DST	ES22901468-CG02-HA010	53	14634	Yes	Yes	Yes
16	N°EU-ESP/2022/0271/DST	ES22901468-CG02-HA011	1	311,88	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
17	N°EU-ESP/2022/0272/DST	ES22901468-CG02-HA012	80	20864,66	Yes	Yes	Yes
18	N°EU-ESP/2022/0273/DST	ES22901468-CG02-HA013	31	9064,83	Yes	Yes	Yes
18	N°EU-ESP/2022/0274/DST	ES22901468-CG02-HA014	40	10827,29	Yes	Yes	Yes
18	N°EU-ESP/2022/0275/DST	ES22901468-CG02-HA015	67	16202,18	Yes	Yes	Yes
19	N°EU-ESP/2022/0276/DST	ES22901468-CG02-HA016	25	7867,2	Yes	Yes	Yes
20	N°EU-ESP/2022/0277/DST	ES22901468-CG02-HA017	17	4736,4	Yes	Yes	Yes
21	N°EU-ESP/2022/0278/DST	ES22901468-CG02-HA018	24	5974,92	Yes	Yes	Yes
21	N°EU-ESP/2022/0279/DST	ES22901468-CG02-HA019	48	10680,2	Yes	Yes	Yes
22	N°EU-ESP/2022/0280/DST	ES22901468-CG02-HA020	31	9002,4	Yes	Yes	Yes
22	N°EU-ESP/2022/0281/DST	ES22901468-CG02-HA021	40	11567,01	Yes	Yes	Yes
22	N°EU-ESP/2022/0282/DST	ES22901468-CG02-HA022	64	16224,21	Yes	Yes	Yes
23	N°EU-ESP/2022/0283/DST	ES22901468-CG01-HA01	21	5449,41	Yes	Yes	Yes
24	N°EU-ESP/2022/0284/DST	ES22901468-CG01-HA02	20	5191,2	Yes	Yes	Yes
25	N°EU-ESP/2022/0285/DST	ES22901468-CG01-HA03	19	5097,05	Yes	Yes	Yes
26	N°EU-ESP/2022/0286/DST	ES22901468-CG01-HA04	23	7034,75	Yes	Yes	Yes
26	N°EU-ESP/2022/0287/DST	ES22901468-CG01-HA05	45	12129,65	Yes	Yes	Yes
27	N°EU-ESP/2022/0289/DST	ES22901468-CG02-HA023	30	8861,84	Yes	Yes	Yes
27	N°EU-ESP/2022/0290/DST	ES22901468-CG02-HA024	36	10552,8	Yes	Yes	Yes
27	N°EU-ESP/2022/0291/DST	ES22901468-CG02-HA025	59	15762,74	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
28	N°EU-ESP/2022/0292/DST	ES22901496-CG02-HA01	15	4351,2	Yes	Yes	Yes
29	N°EU-ESP/2022/0293/DST	ES22901496-CG02-HA02	16	4305,13	Yes	Yes	Yes
30	N°EU-ESP/2022/0294/DST	FR22900776-CG02-HA01	22	4860,05	Yes	Yes	Yes
31	N°EU-ESP/2022/0295/DST	ES22901496-CG02-HA03	30	6485,43	Yes	Yes	Yes
31	N°EU-ESP/2022/0296/DST	ES22901496-CG02-HA04	41	9257,86	Yes	Yes	Yes
32	N°EU-ESP/2022/0297/DST	ES22901496-CG02-HA05	30	8747,06	Yes	Yes	Yes
32	N°EU-ESP/2022/0298/DST	ES22901496-CG02-HA06	36	8959,94	Yes	Yes	Yes
33	N°EU-ESP/2022/0299/DST	ES22901496-CG02-HA07	21	5852,98	Yes	Yes	Yes
33	N°EU-ESP/2022/0300/DST	IT22900977-CG02-HA01	29	7427,88	Yes	Yes	Yes
34	N°EU-ESP/2022/0301/DST	IT22900965-CG01-HA01	26	7587,6	Yes	Yes	Yes
35	N°EU-ESP/2022/0302/DST	IT22900965-CG01-HA02	28	7167,77	Yes	Yes	Yes
36	N°EU-ESP/2022/0303/DST	ES22901468-CG01-HA06	30	8607,59	Yes	Yes	Yes
36	N°EU-ESP/2022/0304/DST	ES22901468-CG01-HA07	54	12431,01	Yes	Yes	Yes
37	N°EU-ESP/2022/0305/DST	ES22901496-CG02-HA08	33	10137,8	Yes	Yes	Yes
37	N°EU-ESP/2022/0306/DST	ES22901496-CG02-HA09	38	8700,85	Yes	Yes	Yes
37	N°EU-ESP/2022/0307/DST	IT22900977-CG02-HA02	7	1404	Yes	Yes	Yes
38	N°EU-ESP/2022/0308/DST	IT22900965-CG01-HA03	53	11528,4	Yes	Yes	Yes
39	N°EU-ESP/2022/0309/DST	ES22901496-CG02-HA010	23	7071,6	Yes	Yes	Yes
40	N°EU-ESP/2022/0310/DST	ES22901496-CG02-HA011	31	9295,41	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
41	N°EU-ESP/2022/0311/DST	ES22901496-CG02-HA012	55	15316,22	Yes	Yes	Yes
42	N°EU-ESP/2022/0312/DST	ES22901468-CG01-HA08	41	10496,77	Yes	Yes	Yes
42	N°EU-ESP/2022/0313/DST	ES22901468-CG01-HA09	58	13484,35	Yes	Yes	Yes
43	N°EU-ESP/2022/0314/DST	ES22901496-CG02-HA013	33	8644,8	Yes	Yes	Yes
43	N°EU-ESP/2022/0315/DST	IT22900977-CG02-HA03	42	10880,4	Yes	Yes	Yes
44	N°EU-ESP/2022/0316/DST	FR22900755-CG01-HA01	47	13667,22	Yes	Yes	Yes
45	N°EU-ESP/2022/0317/DST	ES22901496-CG02-HA014	28	7401,62	Yes	Yes	Yes
46	N°EU-ESP/2022/0318/DST	ES22901468-CG01-HA010	36	10094,43	Yes	Yes	Yes
46	N°EU-ESP/2022/0320/DST	ES22901468-CG01-HA012	48	12149,55	Yes	Yes	Yes
47	N°EU-ESP/2022/0319/DST	ES22901468-CG01-HA011	1	258	Yes	Yes	Yes
48	N°EU-ESP/2022/0321/DST	ES22901496-CG02-HA015	50	16451,36	Yes	Yes	Yes
48	N°EU-ESP/2022/0322/DST	ES22901496-CG02-HA016	28	8114,32	Yes	Yes	Yes
49	N°EU-ESP/2022/0323/DST	FR22900755-CG01-HA02	73	19055,66	Yes	Yes	Yes
50	N°EU-ESP/2022/0324/DST	ES22901496-CG02-HA017	7	1761,6	Yes	Yes	Yes
51	N°EU-ESP/2022/0325/DST	ES22901496-CG02-MC01	2	581,95	Yes	Yes	Yes
52	N°EU-ESP/2022/0326/DST	ES22901496-CG02-HA018	19	5316	Yes	Yes	Yes
53	N°EU-ESP/2022/0327/DST	ES22901468-CG01-HA013	30	8276,8	Yes	Yes	Yes
53	N°EU-ESP/2022/0328/DST	ES22901468-CG01-HA014	48	12756,86	Yes	Yes	Yes
54	N°EU-ESP/2022/0329/DST	ES22901496-CG02-HA019	62	19943,56	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
54	N°EU-ESP/2022/0330/DST	FR22900776-CG02-HA02	77	22965,03	Yes	Yes	Yes
55	N°EU-ESP/2022/0331/DST	IT22900965-CG01-HA04	10	3233,14	Yes	Yes	Yes
56	N°EU-ESP/2022/0332/DST	ES22901496-CG02-HA020	13	4095,6	Yes	Yes	Yes
57	N°EU-ESP/2022/0333/DST	ES22901496-CG02-HA021	21	5866,11	Yes	Yes	Yes
58	N°EU-ESP/2022/0334/DST	ES22901468-CG01-HA015	35	11600,94	Yes	Yes	Yes
58	N°EU-ESP/2022/0335/DST	ES22901468-CG01-HA016	50	16087,24	Yes	Yes	Yes
59	N°EU-ESP/2022/0336/DST	ES22901468-CG01-HA017	44	13560,78	Yes	Yes	Yes
59	N°EU-ESP/2022/0337/DST	FR22900755-CG01-HA03	56	18137,88	Yes	Yes	Yes
60	N°EU-ESP/2022/0338/DST	IT22901015-CG01-HA01	30	7392	Yes	Yes	Yes
61	N°EU-ESP/2022/0339/DST	ES22901468-CG01-HA018	31	10234,8	Yes	Yes	Yes
62	N°EU-ESP/2022/0339/DST	FR22900776-CG02-HA03	32	10440,06	Yes	Yes	Yes
62	N°EU-ESP/2022/0340/DST	FR22900776-CG02-HA04	43	10607,15	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	195	195	0	0
2	65	65	0	0
3	35	35	0	1
4	1	1	0	0
5	58	58	0	0
6	156	156	0	0
7	87	87	0	0
8	45	45	0	0
9	93	93	0	0
10	159	159	0	0
11	1	1	0	0
12	16	16	0	0
13	93	93	0	0
14	148	148	0	0
15	53	53	0	0
16	1	1	0	0
17	80	80	0	0
18	138	138	0	0
19	25	25	0	0

20	17	17	0	0
21	72	72	0	0
22	135	135	0	0
23	21	21	0	0
24	20	20	0	0
25	19	19	0	0
26	68	68	0	0
27	125	125	0	0
28	15	15	0	0
29	16	16	0	0
30	22	22	0	0
31	71	71	0	0
32	66	66	0	0
33	50	50	0	0
34	27	27	0	0
35	28	28	0	0
36	84	84	0	0
37	78	78	0	0
38	53	53	0	0
39	23	23	0	0
40	31	31	0	0
41	55	55	0	0

42	99	99	0	0
43	75	75	0	1
44	47	47	0	0
45	28	28	0	1
46	84	84	0	0
47	1	1	0	0
48	78	78	0	0
49	73	73	0	0
50	7	7	0	0
51	2	2	0	0
52	19	19	0	0
53	78	78	0	0
54	139	139	0	0
55	10	10	0	0
56	13	13	0	0
57	21	21	0	0
58	85	85	0	0
59	100	100	0	0
60	30	30	0	0
61	31	31	0	0
62	75	75	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
03	Electronic PIT / Single spaghetti tag	BYP006898	221	SFL	199	GG	No	N/A
43	Single spaghetti tag	HM103413	180	SFL	123	OTH**	No	N/A
45	Single spaghetti tag	HM104288	211	SFL	170	OTH**	No	N/A

* Harvest operation as per Table 18.

** Gutted, gilled with removed head.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	N	N/A
		EU.España		Farm	N	N/A
		EU.España		Farm	N	N/A
		EU.España		Farm	N	N/A
		EU.España	-	Farm	N	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0721</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Benjamin Hanlan
Observer ICCAT ID No	894
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	22/09/2022		London, UK
Date of mobilisation	26/09/2022		
Arrival to port / farm	26/09/2022		St. Paul's Bay, Malta
Request dates	27/09/2022	25/11/2022	
Deployment period	27/09/2022	25/11/2022	
Departure from port / farm	26/11/2022		St. Paul's Bay, Malta
Return home	26/11/2022		
Debriefing	30/11/2022		London, UK

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-001-XXX	1225	167968	FR22900821-LT02-TR01-TR01-CG03
EU.MLT-002-XXX	1172	134530	FR22900821-LT03-TR01-CG01-HA02
EU.MLT-003-XXX	923	115948	FR22900748-LT01-CG01
EU.MLT-003-XXX	684	78695	FR22900775-LT01-CG01
EU.MLT-004-XXX	1127	126086	FR22900821-LT02-TR01-TR01-CG02-HA01
EU.MLT-005-XXX	141	20022	FR21900882-TR01-TR01-CG01-MC01
EU.MLT-005-XXX	415	58930	FR21900882-TR01-TR01-CG02-MC01
EU.MLT-005-XXX	216	30672	FR21900923-CG01-MC01-MC01
EU.MLT-005-XXX	252	35784	FR21900923-CG02-MC01
EU.MLT-005-XXX	171	24190	MT21900298-G-MC01-HA01
EU.MLT-006-XXX	1779	177451	FR22900821-LT02-TR01-TR01-CG01-HA01
EU.MLT-013-XXX	286	44422	FR22900750-CG01
EU.MLT-013-XXX	323	50073	FR22900763-LT01-CG02
EU.MLT-014-XXX	1443	168830	FR22900821-LT01-CG01
EU.MLT-015-XXX	907	122493	FR22900772-LT01-CG01
EU.MLT-016-XXX	921	130790	FR22900763-LT01-CG01
EU.MLT-017-XXX	318	46146	FR21900882-TR01-TR01-CG03-MC01
EU.MLT-017-XXX	151	21912	FR21900895-CG01-MC01
EU.MLT-017-XXX	268	38891	FR21900895-CG02-MC01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-017-XXX	196	28442	FR21900917-CG01-MC01-MC01
EU.MLT-017-XXX	199	28878	FR21900917-CG02-MC01
EU.MLT-018-XXX	682	99135	FR22900821-LT03-TR01-CG02
EU.MLT-001-XXX	1225	167968	FR22900821-LT02-TR01-TR01-CG03

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations observed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor; 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations observed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations observed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations observed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	24/10/2022	Bulk Harvest	EU.MLT.005-XXX	Yes	Yes		
2	25/10/2022	Bulk Harvest	EU.MLT.005-XXX	Yes	Yes		
3	25/10/2022	Bulk Harvest	EU.MLT.017-XXX	Yes	Yes		
4	26/10/2022	Bulk Harvest	EU.MLT.017-XXX	Yes	Yes		
5	27/10/2022	Bulk Harvest	EU.MLT.017-XXX	Yes	Yes		
6	27/10/2022	Bulk Harvest	EU.MLT.013-XXX	Yes	Yes		
7	28/10/2022	Bulk Harvest	EU.MLT.013-XXX	Yes	Yes		
8	28/10/2022	Bulk Harvest	EU.MLT.001-XXX	Yes	Yes		
9	29/10/2022	Bulk Harvest	EU.MLT.001-XXX	Yes	Yes		
10	30/10/2022	Bulk Harvest	EU.MLT.003-XXX	Yes	Yes		
11	31/10/2022	Bulk Harvest	EU.MLT.006-XXX	Yes	Yes		
12	01/11/2022	Bulk Harvest	EU.MLT.014-XXX	Yes	Yes		
13	04/11/2022	Bulk Harvest	EU.MLT.018-XXX	Yes	Yes		
14	07/11/2022	Bulk Harvest	EU.MLT.018-XXX	Yes	Yes		
15	08/11/2022	Bulk Harvest	EU.MLT.016-XXX	Yes	Yes		
16	09/11/2022	Bulk Harvest	EU.MLT.015-XXX	Yes	Yes		
17	10/11/2022	Bulk Harvest	EU.MLT.002-XXX	Yes	Yes		
18	11/11/2022	Bulk Harvest	EU.MLT.004-XXX	Yes	Yes		
19	12/11/2022	Bulk Harvest	EU.MLT.018-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
20	12/11/2022	Bulk Harvest	EU.MLT.016-XXX	Yes	Yes		
21	12/11/2022	Bulk Harvest	EU.MLT.015-XXX	Yes	Yes		
22	13/11/2022	Bulk Harvest	EU.MLT.014-XXX	Yes	Yes		
23	13/11/2022	Bulk Harvest	EU.MLT.001-XXX	Yes	Yes		
24	14/11/2022	Bulk Harvest	EU.MLT.018-XXX	Yes	Yes		
25	14/11/2022	Bulk Harvest	EU.MLT.002-XXX	Yes	Yes		
26	14/11/2022	Bulk Harvest	EU.MLT.003-XXX	Yes	Yes		
27	14/11/2022	Bulk Harvest	EU.MLT.003-XXX	Yes	Yes		
28	15/11/2022	Bulk Harvest	EU.MLT.004-XXX	Yes	Yes		
29	16/11/2022	Bulk Harvest	EU.MLT.001-XXX	Yes	Yes		
30	16/11/2022	Bulk Harvest	EU.MLT.002-XXX	Yes	Yes		
31	16/11/2022	Bulk Harvest	EU.MLT.017-XXX	Yes	Yes		
32	16/11/2022	Bulk Harvest	EU.MLT.005-XXX	Yes	Yes		
33	16/11/2022	Bulk Harvest	EU.MLT.006-XXX	Yes	Yes		
34	17/11/2022	Bulk Harvest	EU.MLT.005-XXX	Yes	Yes		
35	17/11/2022	Bulk Harvest	EU.MLT.017-XXX	Yes	Yes		
36	17/11/2022	Bulk Harvest	EU.MLT.014-XXX	Yes	Yes		
37	18/11/2022	Bulk Harvest	EU.MLT.003-XXX	Yes	Yes		
38	18/11/2022	Bulk Harvest	EU.MLT.014-XXX	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	230	65552	230	65441
2	139	36728	139	36693
3	70	17998	70	17981
4	160	50183	160	50146
5	82	23034	82	23029
6	103	28094	103	28060
7	150	33996	150	33946
8	72	19564	72	19533
9	185	50193	185	49987
10	179	50911	179	50531
11	221	52090	221	52080
12	187	52900	187	52886
13	24	7228	24	7228
14	202	50212	202	50209
15	210	54528	210	54514
16	233	63135	233	63038
17	278	57229	278	57205

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
18	253	63429	253	63354
19	18	3501	18	3495
20	148	29202	148	29134
21	81	21765	81	21761
22	163	33052	163	32969
23	72	19464	72	19363
24	74	4660	74	4657
25	76	24798	76	24796
26	113	29774	113	29702
27	203	51176	203	51151
28	236	50012	236	49986
29	154	18295	154	18286
30	121	11547	121	11497
31	61	8686	61	8679
32	84	12095	84	12069
33	65	11867	65	11749
34	295	17299	295	16552
35	310	16667	310	16598
36	18	996	18	996

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
37	152	26692	152	26660
38	84	20091	84	19883

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-003-XXX	FR21900923-CG02-MC01-HA01	230	65441	Yes	Yes	Yes
2	MLT-2022-002-XXX	FR21900882-TR01-TR01-CG01-MC01-HA01	139	36693	Yes	Yes	Yes
3	MLT-2022-001-XXX	FR21900917-CG02-MC01-HA02	70	17981	Yes	Yes	Yes
4	MLT-2022-003-XXX	FR21900917-CG01-MC01-MC01-HA01	160	50146	Yes	Yes	Yes
5	MLT-2022-005-XXX	FR21900882-TR01-TR01-CG03-MC01-HA01	82	23029	Yes	Yes	Yes
6	MLT-2022-004-XXX	FR22900763-CG02-HA01	103	28060	Yes	Yes	Yes
7	MLT-2022-006-XXX	FR22900763-CG02-HA02	150	33946	Yes	Yes	Yes
8	MLT-2022-007-XXX	FR22900821-LT02-TR01-TR01-CG03-HA02	72	19533	Yes	Yes	Yes
9	MLT-2022-008-XXX	FR22900821-LT02-TR01-TR01-CG03-HA04	185	49987	Yes	Yes	Yes
10	MLT-2022-009-XXX	FR22900748-LT01-CG01-HA03	179	50531	Yes	Yes	Yes
11	MLT-2022-010-XXX	FR22900821-LT02-TR01-TR01-CG01-HA03	221	52080	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
12	MLT-2022-011-XXX	FR22900821-LT01-CG01-HA02	187	52886	Yes	Yes	Yes
13	MLT-2022-012-XXX	FR22900821-LT03-TR01-CG02-HA01	24	7228	Yes	Yes	Yes
14	MLT-2022-013-XXX	FR22900821-LT03-TR01-CG02-HA03	202	50209	Yes	Yes	Yes
15	MLT-2022-014-XXX	FR22900763-CG01-HA02	210	54514	Yes	Yes	Yes
16	MLT-2022-020-XXX	FR22900772-CG01-HA01	233	63038	Yes	Yes	Yes
17	MLT-2022-021-XXX	FR22900821-LT03-TR01-CG01-HA03	278	57205	Yes	Yes	Yes
18	MLT-2022-022-XXX	FR22900821-LT02-TR01-TR01-CG02-HA02	253	63354	Yes	Yes	Yes
19	MLT-2022-018-XXX	FR22900821-LT03-TR01-CG02-HA05	18	3495	Yes	Yes	Yes
20	MLT-2022-019-XXX	FR22900763-CG01-HA04	148	29134	Yes	Yes	Yes
21	MLT-2022-020-XXX	FR22900772-CG01-HA04	81	21761	Yes	Yes	Yes
22	MLT-2022-022-XXX	FR22900821-LT01-CG01-HA04	163	32969	Yes	Yes	Yes
23	MLT-2022-021-XXX	FR22900821-LT02-TR01-TR01-CG03-HA06	72	19363	Yes	Yes	Yes
24	MLT-2022-027-XXX	FR22900821-LT03-TR01-CG02-HA06	74	4657	Yes	Yes	Yes
25	MLT-2022-028-XXX	FR22900821-LT03-TR01-CG01-HA06	76	24796	Yes	Yes	Yes
26	MLT-2022-029-XXX	FR22900748-LT01-CG01-HA04	113	29702	Yes	Yes	Yes
27	MLT-2022-003-XXX	FR22900748-LT01-CG01-HA06	203	51151	Yes	Yes	Yes
28	MLT-2022-025-XXX	FR22900821-LT02-TR01-TR01-CG02-HA04	130	25136	Yes	Yes	Yes
28	MLT-2022-026-XXX	FR22900821-LT02-TR01-TR01-CG02-HA05	106	24850	Yes	Yes	Yes
29	MLT-2022-034-XXX	FR22900821-LT02-TR01-TR01-CG03-HA07	154	18286	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
30	MLT-2022-035-XXX	FR22900821-LT03-TR01-CG01-HA08	121	11497	Yes	Yes	Yes
31	MLT-2022-036-XXX	FR21900882-TR01-TR01-CG03-MC01-HA02	61	8679	Yes	Yes	Yes
32	MLT-2022-005-XXX	FR21900882-TR01-TR01-CG02-MC01-HA01	84	12069	Yes	Yes	Yes
33	MLT-2022-006-XXX	FR22900821-LT02-TR01-TR01-CG01-HA06	65	11749	Yes	Yes	Yes
34	MLT-2022-029-XXX	FR21900882-TR01-TR01-CG02-MC01-HA02	295	16552	Yes	Yes	Yes
35	MLT-2022-030-XXX	FR21900882-TR01-TR01-CG03-MC01-HA03	175	9370	Yes	Yes	Yes
35	MLT-2022-030-XXX	FR21900895-CG01-MC01-HA02	27	1446	Yes	Yes	Yes
35	MLT-2022-030-XXX	FR21900895-CG02-MC01-HA02	58	3105	Yes	Yes	Yes
35	MLT-2022-030-XXX	FR21900917-CG01-MC01-MC01-HA02	19	1017	Yes	Yes	Yes
35	MLT-2022-030-XXX	FR21900917-CG02-MC01-HA03	31	1660	Yes	Yes	Yes
36	MLT-2022-031-XXX	FR22900821-LT01-CG01-HA05	18	996	Yes	Yes	Yes
37	MLT-2022-032-XXX	FR22900775-CG01-HA02	152	26660	Yes	Yes	Yes
38	MLT-2022-033-XXX	FR22900821-LT01-CG01-HA07	84	19883	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	28	28	0	0
2	19	19	0	0
3	8	8	1	1
4	22	22	0	0
5	12	12	0	0
6	16	16	0	0
7	16	16	0	0
8	8	8	0	0
9	20	20	1	1
10	19	19	0	0
11	22	22	0	0
12	22	22	0	0
13	4	4	0	0
14	24	24	0	0
15	23	23	1	1
16	31	31	1	1
17	32	32	1	1
18	31	31	1	1
19	2	2	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	18	18	0	0
21	10	10	0	0
22	20	20	1	1
23	10	10	0	0
24	9	9	0	0
25	12	12	0	0
26	13	13	0	0
27	22	22	0	0
28	26	26	0	0
29	23	23	0	0
30	12	12	0	0
31	8	8	0	0
32	11	11	0	0
33	8	8	1	1
34	33	33	0	0
35	31	31	0	0
36	5	5	0	0
37	20	20	0	0
38	10	10	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
3	Single spaghetti tag	HM 104620	232	CFL	231	Whole	Yes	Fin Clip & Muscle Tissue
9	Single spaghetti tag	BF 237830	242	CFL	266	Whole	Yes	Dorsal spine
15	Single spaghetti tag	BYP 029505	256	CFL	345	Whole	Yes	Fin clip & Dorsal Spine
16	Electronic PIT / Single spaghetti tag	2033 0180 / BYP 079966	265	CFL	450	Whole	Yes	Fin Clip & Muscle Tissue
17	Single spaghetti tag	BYP 083025	175	CFL	154	Whole	Yes	Dorsal Spine, Muscle & Fin Clip
18	Electronic PIT tag	UNKNOWN	261	CFL	323	Whole	Yes	Dorsal Spine, Muscle, Fin Clip & Head
22	Single spaghetti tag	AAA002580	186	CFL	113	Whole	Yes	Dorsal spine
33	Single spaghetti tag	BYP 001028	222	CFL	198	Whole	Yes	Dorsal spine

* Harvest operation as per Table 18.

All biological samples were provided to AquaBio Tech representatives, in coordination with GBYP.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	Transport to processing vessel and for waste removal
		Panama		Carrier	No	Processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Waste removal following processing
		Panama		Carrier	No	Processing vessel
		Panama		Carrier	No	Processing Vessel

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0721</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Benjamin Hanlan
Observer ICCAT ID No	894
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	22/09/2022		London, UK
Date of mobilisation	26/09/2022		
Arrival to port / farm	26/09/2022		St. Paul's Bay, Malta
Request dates	27/09/2022	25/11/2022	
Deployment period	27/09/2022	25/11/2022	
Departure from port / farm	26/11/2022		St. Paul's Bay, Malta
Return home	26/11/2022		
Debriefing	30/11/2022		London, UK

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-007-XXX	1073	93358.21	TR22900090-CG01
EU.MLT-008-XXX	2536	96469.44	IT22900957-LT01-CG01
EU.MLT-009-XXX	774	93337.71	IT22900991-LT01-CG01
EU.MLT-010-XXX	426	46228.22	IT22901006
EU.MLT-010-XXX	327	35458.6	IT22901013-CG02-HA01
EU.MLT-011-XXX	381	41246.1	IT22900956-LT01-CG01
EU.MLT-011-XXX	648	69986.62	IT22901013-CG01-HA01
EU.MLT-012-XXX	1124	187931	IT22901023-LT01-CG01-HA01
EU.MLT-019-XXX	644	63992.52	TR22900107
EU.MLT-020-XXX	401	28700	IT21900881-TR01-TR01-CG01-MC01
EU.MLT-020-XXX	2	160	IT21900890-LT01-TR01-CG01-MC01-HA01
EU.MLT-020-XXX	461	38400	IT21900890-LT01-TR01-CG02-MC01
EU.MLT-020-XXX	175	14000	IT21900891-LT01-TR01-TR01-CG01-MC01
EU.MLT-020-XXX	580	48040	IT21900902-LT01-CG03-MC01
EU.MLT-021-XXX	1020	92261.23	IT22900976-LT01-TR01-CG01
EU.MLT-021-XXX	605	67421	IT22900990-LT01-CG01-HA01
EU.MLT-022-XXX	1318	179473	IT22900975-LT01-CG01-HA01
EU.MLT-023-XXX	566	84074.89	IT22901019-LT01-CG01
EU.MLT-023-XXX	255	37914.21	IT22901021-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-024-XXX	685	113886.59	IT22901019-LT01-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations observed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations observed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations observed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations observed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	04/10/2022	Bulk Harvest	EU.MLT.009-XXX	Yes	Yes		
2	05/10/2022	Bulk Harvest	EU.MLT.010-XXX	Yes	Yes		
3	06/10/2022	Bulk Harvest	EU.MLT.012-XXX	Yes	Yes		
4	07/10/2022	Bulk Harvest	EU.MLT.012-XXX	Yes	Yes		
5	08/10/2022	Bulk Harvest	EU.MLT.021-XXX	Yes	Yes		
6	09/10/2022	Bulk Harvest	EU.MLT.021-XXX	Yes	Yes		
7	10/10/2022	Bulk Harvest	EU.MLT.024-XXX	Yes	Yes		
8	11/10/2022	Bulk Harvest	EU.MLT.023-XXX	Yes	Yes		
9	12/10/2022	Bulk Harvest	EU.MLT.022-XXX	Yes	Yes		
10	13/10/2022	Bulk Harvest	EU.MLT.011-XXX	Yes	Yes		
11	15/10/2022	Bulk Harvest	EU.MLT.022-XXX	Yes	Yes		
12	16/10/2022	Bulk Harvest	EU.MLT.022-XXX	Yes	Yes		
13	16/10/2022	Bulk Harvest	EU.MLT.020-XXX	Yes	Yes		
14	17/10/2022	Bulk Harvest	EU.MLT.012-XXX	Yes	Yes		
15	17/10/2022	Bulk Harvest	EU.MLT.011-XXX	Yes	Yes		
16	18/10/2022	Bulk Harvest	EU.MLT.011-XXX	Yes	Yes		
17	18/10/2022	Bulk Harvest	EU.MLT.011-XXX	Yes	Yes		
18	21/10/2022	Bulk Harvest	EU.MLT.020-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	21/10/2022	Bulk Harvest	EU.MLT.024-XXX	Yes	Yes		
20	21/10/2022	Bulk Harvest	EU.MLT.023-XXX	Yes	Yes		
21	22/10/2022	Bulk Harvest	EU.MLT.020-XXX	Yes	Yes		
22	02/11/2022	Bulk Harvest	EU.MLT.019-XXX	Yes	Yes		
23	02/11/2022	Bulk Harvest	EU.MLT.007-XXX	Yes	Yes		
24	03/11/2022	Bulk Harvest	EU.MLT.007-XXX	Yes	Yes		
25	04/11/2022	Bulk Harvest	EU.MLT.007-XXX	Yes	Yes		
26	04/11/2022	Bulk Harvest	EU.MLT.008-XXX	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	185	39472	185	39281
2	251	48800	251	48098
3	179	46920	179	46888
4	248	52103	248	52085
5	256	50208	256	50102

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
6	392	47823	392	47722
7	207	48134	207	47972
8	217	50877	217	50795
9	219	51932	219	51895
10	348	59220	348	59157
11	232	43073	232	43039
12	168	38437	168	38433
13	110	25332	110	25307
14	148	39028	148	38958
15	134	22710	134	22658
16	113	14738	113	14716
17	197	31156	197	31110
18	76	9590	76	9543
19	83	18792	83	18785
20	115	21011	115	20831
21	182	49760	182	49715
22	197	35332	197	35313
23	62	16387	62	16379
24	336	45909	336	45871

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
25	213	18893	213	18879
26	76	19204	76	19203

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-001-XXX	IT22900991-LT01-CG01-HA03	185	39281	Yes	Yes	Yes
2	MLT-2022-002-XXX	IT22901013-CG02-HA02	251	48098	Yes	Yes	Yes
3	MLT-2022-003-XXX	IT22901023-LT01-CG01-HA04	179	46888	Yes	Yes	Yes
4	MLT-2022-004-XXX	IT22901023-LT01-CG01-HA06	248	52085	Yes	Yes	Yes
5	MLT-2022-005-XXX	IT22900976-LT01-TR01-CG01-HA03	256	50102	Yes	Yes	Yes
6	MLT-2022-006-XXX	IT22900976-LT01-TR01-CG01-HA04	392	47722	Yes	Yes	Yes
7	MLT-2022-007-XXX	IT22901019-LT01-CG02-HA02	207	48134	Yes	Yes	Yes
8	MLT-2022-008-XXX	IT22901019-LT01-CG01-HA02	217	50795	Yes	Yes	Yes
9	MLT-2022-009-XXX	IT22900975-LT01-CG01-HA03	219	51895	Yes	Yes	Yes
10	MLT-2022-010-XXX	IT22901013-CG01-HA02	348	59157	Yes	Yes	Yes
11	MLT-2022-011-XXX	IT22900975-LT01-CG01-HA05	232	43039	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
12	MLT-2022-016-XXX	IT22900975-LT01-CG01-HA06	168	38433	Yes	Yes	Yes
13	MLT-2022-017-XXX	IT21900891-LT01-TR01-TR01-CG01-MC01-HA01	110	25307	Yes	Yes	Yes
14	MLT-2022-018-XXX	IT22901023-LT01-CG01-HA07	148	38958	Yes	Yes	Yes
15	MLT-2022-019-XXX	IT22901013-CG01-HA03	134	22658	Yes	Yes	Yes
16	MLT-2022-012-XXX	IT22901013-CG01-HA04	113	14716	Yes	Yes	Yes
17	MLT-2022-013-XXX	IT22900991-LT01-CG01-HA04	197	31110	Yes	Yes	Yes
18	MLT-2022-020-XXX	IT21900881-TR01-TR01-CG01-MC01-HA03	76	9543	Yes	Yes	Yes
19	MLT-2022-022-XXX	IT22901019-LT01-CG02-HA04	83	18785	Yes	Yes	Yes
20	MLT-2022-021-XXX	IT22901021-CG01-HA02	115	20831	Yes	Yes	Yes
21	MLT-2022-023-XXX	IT21900890-LT01-TR01-CG02-MC01-HA02	182	49715	Yes	Yes	Yes
22	MLT-2022-025-XXX	TR22900107-HA02	197	35313	Yes	Yes	Yes
23	MLT-2022-024-XXX	TR22900090-CG01-HA02	62	16379	Yes	Yes	Yes
24	MLT-2022-026-XXX	TR22900090-CG01-HA05	186	29376	Yes	Yes	Yes
24	MLT-2022-027-XXX	TR22900090-CG01-HA04	150	16495	Yes	Yes	Yes
25	MLT-2022-028-XXX	TR22900090-CG01-HA07	213	18879	Yes	Yes	Yes
26	MLT-2022-029-XXX	IT22900957-LT01-CG01-HA04	76	19203	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	28	28	0	0
2	33	33	0	0
3	26	26	0	0
4	29	29	1	1
5	33	33	0	0
6	39	39	0	0
7	26	26	0	0
8	25	25	1	1
9	30	30	0	0
10	35	35	0	0
11	27	27	0	0
12	27	27	1	1
13	16	16	0	0
14	25	25	1	1
15	16	16	0	0
16	15	15	0	0
17	25	25	0	0
18	10	10	0	0
19	16	16	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	15	15	0	0
21	27	27	0	0
22	25	25	0	0
23	7	7	0	0
24	34	34	0	0
25	25	25	0	0
26	11	11	1	1

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
4	Single spaghetti tag	BYP 083121	219	CFL	229	Whole	Yes	Fin Clip
8	Single spaghetti tag	AY03015	245	CFL	278	Whole	Yes	Fin Clip & Muscle Tissue
12	Single spaghetti tag	BYP 054516	228	CFL	199	Whole	Yes	Fin Clip & Muscle Tissue
14	Single spaghetti tag	BYP 004112	240	CFL	253	Whole	Yes	Dorsal Spine
26	Single spaghetti tag	AAA002086	207	CFL	200	Whole	Yes	Dorsal Spine

* Harvest operation as per Table 18.

All biological samples were provided to AquaBio Tech representatives, in coordination with GBYP.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	Transport to processing vessel and for waste removal
		Panama		Carrier	No	Processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Transport from processing vessel to shore and for fish between farm cage and processing vessel
		EU.Malta		Farm	No	Waste removal following processing
		Panama		Carrier	No	Processing vessel
		Panama		Carrier	No	Processing vessel

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0722</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Marijana DOKOZA
Observer ICCAT ID No	735
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	28/09/2022		Split, Croatia
Date of mobilisation	28/09/2022		
Arrival to port / farm	29/09/2022		St. Paul's Bay, Malta
Request dates	30/09/2022	25/11/2022	
Deployment period	30/09/2022	25/11/2022	
Departure from port / farm	26/11/2022		St. Paul's Bay, Malta
Return home	27/11/2022		
Debriefing	27/11/2022		Split, Croatia

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.001.AJD	1225	167968	FR22900821-LT02-TR01-TR01-CG03
EU.MLT.002.AJD	1172	134530	FR22900821-LT03-TR01-CG01-HA02
EU.MLT.003.AJD	923	115948	FR22900748-LT01-CG01
EU.MLT.003.AJD	684	78695	FR22900775-LT01-CG01
EU.MLT.004.AJD	1127	126086	FR22900821-LT02-TR01-TR01-CG02-HA01
EU.MLT.005.AJD	141	20022	FR21900882-TR01-TR01-CG01-MC01
EU.MLT.005.AJD	415	58930	FR21900882-TR01-TR01-CG02-MC01
EU.MLT.005.AJD	216	30672	FR21900923-CG01-MC01-MC01
EU.MLT.005.AJD	252	35784	FR21900923-CG02-MC01
EU.MLT.005.AJD	171	24190	MT21900298-G-MC01-HA01
EU.MLT.006.AJD	1779	177451	FR22900821-LT02-TR01-TR01-CG01-HA01
EU.MLT.013.AJD	286	44422	FR22900750-CG01
EU.MLT.013.AJD	323	50073	FR22900763-LT01-CG02
EU.MLT.014.AJD	1443	168830	FR22900821-LT01-CG01
EU.MLT.015.AJD	907	122493	FR22900772-LT01-CG01
EU.MLT.016.AJD	921	130790	FR22900763-LT01-CG01
EU.MLT.017.AJD	318	46146	FR21900882-TR01-TR01-CG03-MC01
EU.MLT.017.AJD	151	21912	FR21900895-CG01-MC01
EU.MLT.017.AJD	268	38891	FR21900895-CG02-MC01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.017.AJD	196	28442	FR21900917-CG01-MC01-MC01
EU.MLT.017.AJD	199	28878	FR21900917-CG02-MC01
EU.MLT.018.AJD	682	99135	FR22900821-LT03-TR01-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations observed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfer operations observed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations observed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	23/10/2022	Bulk Harvest	EU.MLT.005.AJD	Yes	Yes		
2	25/10/2022	Fresh Export	EU.MLT.005.AJD	Yes	Yes		
3	25/10/2022	Bulk Harvest	EU.MLT.005.AJD	Yes	Yes		
4	25/10/2022	Bulk Harvest	EU.MLT.017.AJD	Yes	Yes		
5	26/10/2022	Bulk Harvest	EU.MLT.017.AJD	Yes	Yes		
6	27/10/2022	Bulk Harvest	EU.MLT.017.AJD	Yes	Yes		
7	27/10/2022	Bulk Harvest	EU.MLT.013.AJD	Yes	Yes		
8	28/10/2022	Bulk Harvest	EU.MLT.013.AJD	Yes	Yes		
9	28/10/2022	Bulk Harvest	EU.MLT.001.AJD	Yes	Yes		
10	29/10/2022	Bulk Harvest	EU.MLT.001.AJD	Yes	Yes		
11	30/10/2022	Fresh Export	EU.MLT.003.AJD	Yes	Yes		
12	30/10/2022	Bulk Harvest	EU.MLT.003.AJD	Yes	Yes		
13	31/10/2022	Bulk Harvest	EU.MLT.006.AJD	Yes	Yes		
14	01/11/2022	Bulk Harvest	EU.MLT.014.AJD	Yes	Yes		
15	07/11/2022	Bulk Harvest	EU.MLT.018.AJD	Yes	Yes		
16	08/11/2022	Bulk Harvest	EU.MLT.016.AJD	Yes	Yes		
17	09/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
18	10/11/2022	Bulk Harvest	EU.MLT.002.AJD	Yes	Yes		
19	11/11/2022	Bulk Harvest	EU.MLT.004.AJD	Yes	Yes		
20	12/11/2022	Bulk Harvest	EU.MLT.018.AJD	Yes	Yes		
21	12/11/2022	Bulk Harvest	EU.MLT.016.AJD	Yes	Yes		
22	12/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		
23	13/11/2022	Bulk Harvest	EU.MLT.014.AJD	Yes	Yes		
24	13/11/2022	Bulk Harvest	EU.MLT.001.AJD	Yes	Yes		
25	13/11/2022	Bulk Harvest	EU.MLT.002.AJD	Yes	Yes		
26	14/11/2022	Bulk Harvest	EU.MLT.002.AJD	Yes	Yes		
27	14/11/2022	Bulk Harvest	EU.MLT.003.AJD	Yes	Yes		
28	15/11/2022	Bulk Harvest	EU.MLT.018.AJD	Yes	Yes		
29	15/11/2022	Bulk Harvest	EU.MLT.016.AJD	Yes	Yes		
30	15/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		
31	15/11/2022	Bulk Harvest	EU.MLT.006.AJD	Yes	Yes		
32	15/11/2022	Bulk Harvest	EU.MLT.006.AJD	Yes	Yes		
33	16/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		
34	16/11/2022	Bulk Harvest	EU.MLT.003.AJD	Yes	Yes		
35	17/11/2022	Bulk Harvest	EU.MLT.014.AJD	Yes	Yes		
36	17/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
37	18/11/2022	Bulk Harvest	EU.MLT.002.AJD	Yes	Yes		
38	18/11/2022	Bulk Harvest	EU.MLT.004.AJD	Yes	Yes		
39	18/11/2022	Bulk Harvest	EU.MLT.006.AJD	Yes	Yes		
40	18/11/2022	Bulk Harvest	EU.MLT.013.AJD	Yes	Yes		
41	18/11/2022	Bulk Harvest	EU.MLT.015.AJD	Yes	Yes		
42	18/11/2022	Bulk Harvest	EU.MLT.016.AJD	Yes	Yes		
43	18/11/2022	Bulk Harvest	EU.MLT.017.AJD	Yes	Yes		
44	18/11/2022	Bulk Harvest	EU.MLT.018.AJD	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	210	62484	210	62484
2	1	120	1	120
3	142	37811	142	37811
4	98	25376	98	25376
5	210	64304	210	64304

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
6	124	36583	124	36583
7	86	23645	86	23645
8	189	43073	189	43073
9	70	21525	70	21525
10	247	61499	247	61499
11	6	1157	6	1157
12	197	57562	197	57562
13	247	58800	247	58800
14	213	59583	213	59583
15	249	65174	249	65174
16	243	65615	243	65615
17	184	51168	184	51168
18	256	49931	256	49931
19	204	52918	204	52918
20	46	9360	46	9360
21	185	37061	185	37061
22	60	14480	60	14480
23	280	59408	280	59408
24	171	43077	171	43077

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
25	69	21438	69	21438
26	128	22241	128	22241
27	113	29084	113	29084
28	46	4080	46	4080
29	31	3508	31	3508
30	35	3731	35	3731
31	204	46801	204	46801
32	253	59793	253	59793
33	143	18412	143	18412
34	229	25186	229	25186
35	460	24141	460	24141
36	46	2067	46	2067
37	29	4514	29	4514
38	46	7521	46	7521
39	27	5073	27	5073
40	15	2604	15	2604
41	5	957	5	957
42	7	1406	7	1406
43	15	3178	15	3178

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
44	3	627	3	627

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-001-AJD	FR21900923-CG01-MC01-MC01-HA01	149	45727	Yes	Yes	Yes
1	MLT-2022-002-AJD	FR21900923-CG01-MC01-MC01-HA02	61	16757	Yes	Yes	Yes
2	MLT-2022-004-AJD	FR21900923-CG01-MC01-MC01-HA03	1	120	Yes	Yes	Yes
3	MLT-2022-005-AJD	MT21900298-G-MC01-HA02	117	31141	Yes	Yes	Yes
3	MLT-2022-006-AJD	MT21900298-G-MC01-HA03	25	6670	Yes	Yes	Yes
4	MLT-2022-007-AJD	FR21900917-CG02-MC01-HA01	98	25376	Yes	Yes	Yes
5	MLT-2022-008-AJD	FR21900895-CG02-MC01-HA01	210	64304	Yes	Yes	Yes
6	MLT-2022-009-AJD	FR21900895-CG01-MC01-HA01	124	36583	Yes	Yes	Yes
7	MLT-2022-010-AJD	FR22900750-CG01-HA01	86	23645	Yes	Yes	Yes
8	MLT-2022-011-AJD	FR22900750-CG01-HA02	189	43073	Yes	Yes	Yes
9	MLT-2022-012-AJD	FR22900821-LT02-TR01-TR01-CG03-HA01	70	21525	Yes	Yes	Yes
10	MLT-2022-013-AJD	FR22900821-LT02-TR01-TR01-CG03-HA03	247	61499	Yes	Yes	Yes
11	MLT-2022-015-AJD	FR22900748-LT01-CG01-HA01	6	1157	Yes	Yes	Yes
12	MLT-2022-014-AJD	FR22900748-LT01-CG01-HA02	197	57562	Yes	Yes	Yes
13	MLT-2022-016-AJD	FR22900821-LT02-TR01-TR01-CG01-HA02	247	58800	Yes	Yes	Yes
14	MLT-2022-017-AJD	FR22900821-LT01-CG01-HA01	213	59583	Yes	Yes	Yes
15	MLT-2022-018-AJD	FR22900821-LT03-TR01-CG02-HA02	249	65174	Yes	Yes	Yes
16	MLT-2022-018-AJD	FR22900821-LT03-TR01-CG02-HA02	249	65174	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
17	MLT-2022-015-AJD	FR22900772-CG01-HA02	184	51168	Yes	Yes	Yes
18	ML7-2022-016-AJD	FR22900821-LT03-TR01-CG01-HA04	256	49931	Yes	Yes	Yes
19	MLT-2022-017-AJD	FR22900821-LT02-TR01-TR01-CG02-HA03	204	52918	Yes	Yes	Yes
20	MLT-2022-023-AJD	FR22900821-LT03-TR01-CG02-HA04	46	9360	Yes	Yes	Yes
21	MLT-2022-024-AJD	FR22900763-CG01-HA03	185	37061	Yes	Yes	Yes
22	MLT-2022-025-AJD	FR22900772-CG01-HA03	60	14480	Yes	Yes	Yes
23	MLT-2022-026-AJD	FR22900821-LT01-CG01-HA03	280	59408	Yes	Yes	Yes
24	MLT-2022-001-AJD	FR22900821-LT02-TR01-TR01-CG03-HA05	171	43077	Yes	Yes	Yes
25	MLT-2022-002-AJD	FR22900821-LT03-TR01-CG01-HA05	69	21438	Yes	Yes	Yes
26	MLT-2022-024-AJD	FR22900821-LT03-TR01-CG01-HA07	128	22241	Yes	Yes	Yes
27	MLT-2022-023-AJD	FR22900748-LT01-CG01-HA05	113	29084	Yes	Yes	Yes
28	MLT-2022-030-AJD	FR22900821-LT03-TR01-CG02-HA07	46	4080	Yes	Yes	Yes
29	MLT-2022-031-AJD	FR22900763-CG01-HA05	31	3508	Yes	Yes	Yes
30	MLT-2022-032-AJD	FR22900772-CG01-HA05	35	3731	Yes	Yes	Yes
31	MLT-2022-033-AJD	FR22900821-LT02-TR01-TR01-CG01-HA04	204	46801	Yes	Yes	Yes
32	MLT-2022-004-AJD	FR22900821-LT02-TR01-TR01-CG01-HA05	253	59793	Yes	Yes	Yes
33	MLT-2022-027-AJD	FR22900772-CG01-HA06	143	18412	Yes	Yes	Yes
34	MLT-2022-028-AJD	FR22900775-CG01-HA01	229	25186	Yes	Yes	Yes
35	MLT-2022-007-AJD	FR22900821-LT01-CG01-HA06	460	24141	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
36	MLT-2022-008-AJD	FR22900772-CG01-HA07	46	2067	Yes	Yes	Yes
37	MLT-2022-037-AJD	FR22900821-LT03-TR01-CG01-HA09	29	4514	Yes	Yes	Yes
38	MLT-2022-038-AJD	FR22900821-LT02-TR01-TR01-CG02-HA06	46	7521	Yes	Yes	Yes
39	MLT-2022-039-AJD	FR22900821-LT02-TR01-TR01-CG01-HA07	27	5073	Yes	Yes	Yes
40	MLT-2022-040-AJD	FR22900763-CG02-HA03	15	2604	Yes	Yes	Yes
41	MLT-2022-041-AJD	FR22900772-CG01-HA08	5	957	Yes	Yes	Yes
42	MLT-2022-042-AJD	FR22900763-CG01-HA06	7	1046	Yes	Yes	Yes
43	MLT-2022-043-AJD	FR21900917-CG01-MC01-MC01-HA03	15	3178	Yes	Yes	Yes
44	MLT-2022-044-AJD	FR22900821-LT03-TR01-CG02-HA08	3	627	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	21	21	0	0
2	1	1	0	0
3	15	15	0	0
4	10	10	0	0
5	21	21	0	0
6	13	13	0	0
7	9	9	0	0
8	20	20	1	1
9	7	7	0	0
10	26	26	1	1
11	6	6	0	0
12	20	20	0	0
13	25	25	0	0
14	22	22	0	0
15	25	25	0	0
16	25	25	0	0
17	19	19	0	0
18	26	26	1	1
19	21	21	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	5	5	0	0
21	20	20	1	1
22	7	7	1	1
23	29	29	1	1
24	18	18	0	0
25	7	7	0	0
26	13	13	0	0
27	12	12	0	0
28	5	5	0	0
29	4	4	0	0
30	4	4	0	0
31	21	21	0	0
32	26	26	0	0
33	15	15	0	0
34	23	23	0	0
35	46	46	0	0
36	5	5	0	0
37	3	3	0	0
38	5	5	0	0
39	4	4	1	1
40	2	2	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	1	1	0	0
42	1	1	0	0
43	2	2	0	0
44	1	1	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
8	Double spaghetti tag	BYP009414/BYP053214	217	CFL	182	Whole	Yes	First Dorsal Spine
10	Single spaghetti tag	BYP080648	224	CFL	224	Whole	Yes	First Dorsal Spine
18	Single spaghetti tag	BYP083136	Null	N/A	Null	N/A	Yes	First Dorsal Spine/Muscle Tissue
21	Single spaghetti tag	BYP078999	229	CFL	242	Whole	Yes	First Dorsal Spine/Muscle Tissue
22	Single spaghetti tag	BYP075401	259	CFL	347	Whole	Yes	First Dorsal Spine/Muscle Tissue
23	Single spaghetti tag	BF484004	252	CFL	288	Whole	Yes	First Dorsal Spine/Muscle Tissue
39	Single spaghetti tag	BYP083173	190	CFL	106	Whole	Yes	First Dorsal Spine/Muscle Tissue

* Harvest operation as per Table 18.

All biological samples were provided to AquaBio Tech representatives, in coordination with GBYP.No biometrics were able to be taken from BYP083136 as this had been processed at time of recovery.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	TUNA PROCESSING VESSEL
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	TUNA PROCESSING VESSEL
		Panama		Carrier	No	TUNA PROCESSING VESSEL

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0722</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Marijana DOKOZA
Observer ICCAT ID No	735
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	28/09/2022		Split, Croatia
Date of mobilisation	28/09/2022		
Arrival to port / farm	29/09/2022		St. Paul's Bay, Malta
Request dates	30/09/2022	25/11/2022	
Deployment period	30/09/2022	25/11/2022	
Departure from port / farm	26/11/2022		St. Paul's Bay, Malta
Return home	27/11/2022		
Debriefing	27/11/2022		Split, Croatia

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.007.XXX	1073	93358.21	TR22900090-CG01
EU.MLT.008.XXX	2536	96469.44	IT22900957-LT01-CG01
EU.MLT.009.XXX	774	93337.71	IT22900991-LT01-CG01
EU.MLT.010.XXX	426	46228.22	IT22901006
EU.MLT.010.XXX	327	35458.6	IT22901013-CG02-HA01
EU.MLT.011.XXX	381	41246.1	IT22900956-LT01-CG01
EU.MLT.011.XXX	648	69986.62	IT22901013-CG01-HA01
EU.MLT.012.XXX	1124	187931	IT22901023-LT01-CG01-HA01
EU.MLT.019.XXX	644	63992.52	TR22900107
EU.MLT.020.XXX	401	28700	IT21900881-TR01-TR01-CG01-MC01
EU.MLT.020.XXX	2	160	IT21900890-LT01-TR01-CG01-MC01-HA01
EU.MLT.020.XXX	461	38400	IT21900890-LT01-TR01-CG02-MC01
EU.MLT.020.XXX	175	14000	IT21900891-LT01-TR01-TR01-CG01-MC01
EU.MLT.020.XXX	580	48040	IT21900902-LT01-CG03-MC01
EU.MLT.021.XXX	1020	92261.23	IT22900976-LT01-TR01-CG01
EU.MLT.021.XXX	605	67421	IT22900990-LT01-CG01-HA01
EU.MLT.022.XXX	1318	179473	IT22900975-LT01-CG01-HA01
EU.MLT.023.XXX	566	84074.89	IT22901019-LT01-CG01
EU.MLT.023.XXX	255	37914.21	IT22901021-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.024.XXX	685	113886.59	IT22901019-LT01-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations observed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations observed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations observed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	04/10/2022	Bulk Harvest	EU.MLT.009.XXX	Yes	Yes		
2	04/10/2022	Fresh Export	EU.MLT.009.XXX	Yes	Yes		
3	05/10/2022	Bulk Harvest	EU.MLT.010.XXX	Yes	Yes		
4	06/10/2022	Bulk Harvest	EU.MLT.012.XXX	Yes	Yes		
5	07/10/2022	Bulk Harvest	EU.MLT.012.XXX	Yes	Yes		
6	08/10/2022	Bulk Harvest	EU.MLT.021.XXX	Yes	Yes		
7	08/10/2022	Fresh Export	EU.MLT.021.XXX	Yes	Yes		
8	09/10/2022	Bulk Harvest	EU.MLT.021.XXX	Yes	Yes		
9	10/10/2022	Bulk Harvest	EU.MLT.024.XXX	Yes	Yes		
10	11/10/2022	Bulk Harvest	EU.MLT.023.XXX	Yes	Yes		
11	11/10/2022	Fresh Export	EU.MLT.023.XXX	Yes	Yes		
12	12/10/2022	Bulk Harvest	EU.MLT.022.XXX	Yes	Yes		
13	13/10/2022	Bulk Harvest	EU.MLT.011.XXX	Yes	Yes		
14	15/10/2022	Bulk Harvest	EU.MLT.022.XXX	Yes	Yes		
15	19/10/2022	Bulk Harvest	EU.MLT.021.XXX	Yes	Yes		
16	19/10/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		
17	20/10/2022	Bulk Harvest	EU.MLT.009.XXX	Yes	Yes		
18	20/10/2022	Bulk Harvest	EU.MLT.010.XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	20/10/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		
20	20/10/2022	Bulk Harvest	EU.MLT.022.XXX	Yes	Yes		
21	21/10/2022	Fresh Export	EU.MLT.009.XXX	Yes	Yes		
22	21/10/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		
23	21/10/2022	Bulk Harvest	EU.MLT.023.XXX	Yes	Yes		
24	21/10/2022	Bulk Harvest	EU.MLT.024.XXX	Yes	Yes		
25	22/10/2022	Bulk Harvest	EU.MLT.023.XXX	Yes	Yes		
26	22/10/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		
27	02/11/2022	Bulk Harvest	EU.MLT.019.XXX	Yes	Yes		
28	02/11/2022	Bulk Harvest	EU.MLT.007.XXX	Yes	Yes		
29	03/11/2022	Bulk Harvest	EU.MLT.007.XXX	Yes	Yes		
30	03/11/2022	Bulk Harvest	EU.MLT.019.XXX	Yes	Yes		
31	04/11/2022	Bulk Harvest	EU.MLT.007.XXX	Yes	Yes		
32	04/11/2022	Bulk Harvest	EU.MLT.008.XXX	Yes	Yes		
33	04/11/2022	Fresh Export	EU.MLT.008.XXX	Yes	Yes		
34	17/11/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		
35	18/11/2022	Bulk Harvest	EU.MLT.009.XXX	Yes	Yes		
36	18/11/2022	Bulk Harvest	EU.MLT.010.XXX	Yes	Yes		
37	18/11/2022	Bulk Harvest	EU.MLT.011.XXX	Yes	Yes		
38	18/11/2022	Bulk Harvest	EU.MLT.020.XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	18/11/2022	Bulk Harvest	EU.MLT.021.XXX	Yes	Yes		
40	18/11/2022	Bulk Harvest	EU.MLT.022.XXX	Yes	Yes		
41	18/11/2022	Bulk Harvest	EU.MLT.023.XXX	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	259	55563	259	55563
2	3	524	3	524
3	318	58845	318	58845
4	225	62617	225	62617
5	324	61604	324	61604
6	318	62834	318	62834
7	4	731	4	731
8	523	55420	523	55420
9	264	65022	264	65022
10	278	61850	278	61850

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
11	1	61	1	61
12	255	59313	255	59313
13	370	62661	370	62661
14	301	58682	301	58682
15	82	17179	82	17179
16	214	43107	214	43107
17	96	5646	96	5646
18	138	8837	138	8837
19	105	21960	105	21960
20	101	5616	101	5616
21	5	942	5	942
22	100	10506	100	10506
23	100	18282	100	18282
24	131	27928	131	27928
25	84	23601	84	23601
26	137	41988	137	41988
27	203	50103	203	50103
28	30	7716	30	7716
29	157	30823	157	30823

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
30	244	17440	244	17440
31	275	34214	275	34214
32	98	24292	98	24292
33	6	1106	6	1106
34	601	38881	601	38881
35	7	1422	7	1422
36	5	953	5	953
37	8	1767	8	1767
38	63	13930	63	13930
39	5	1331	5	1331
40	9	2089	9	2089
41	3	700	3	700

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-001-XXX	IT22900991-LT01-CG01-HA01	259	55563	Yes	Yes	Yes
2	MLT-2022-002-XXX	IT22900991-LT01-CG01-HA02	3	524	Yes	Yes	Yes
3	MLT-2022-003-XXX	IT22901006-CG01-HA01	318	58845	Yes	Yes	Yes
4	MLT-2022-004-XXX	IT22901023-LT01-CG01-HA03	225	62617	Yes	Yes	Yes
5	MLT-2022-005-XXX	IT22901023-LT01-CG01-HA05	324	61604	Yes	Yes	Yes
6	MLT-2022-006-XXX	IT22900976-LT01-TR01-CG01-HA02	189	36552	Yes	Yes	Yes
6	MLT-2022-007-XXX	IT22900976-LT01-TR01-CG01-HA01	129	26282	Yes	Yes	Yes
7	MLT-2022-008-XXX	IT22900990-LT01-CG01-HA02	4	731	Yes	Yes	Yes
8	MLT-2022-009-XXX	IT22900990-LT01-CG01-HA03	523	55420	Yes	Yes	Yes
9	MLT-2022-010-XXX	IT22901019-LT01-CG02-HA01	264	65022	Yes	Yes	Yes
10	MLT-2022-011-XXX	IT22901019-LT01-CG01-HA01	278	61850	Yes	Yes	Yes
11	MLT-2022-012-XXX	IT22901019-LT01-CG01-HA03	1	61	Yes	Yes	Yes
12	MLT-2022-013-XXX	IT22900975-LT01-CG01-HA02	255	59313	Yes	Yes	Yes
13	MLT-2022-014-XXX	IT22900956-LT01-CG01-HA01	370	62661	Yes	Yes	Yes
14	MLT-2022-015-XXX	IT22900975-LT01-CG01-HA04	301	58682	Yes	Yes	Yes
15	MLT-2022-015-XXX	IT22900976-LT01-TR01-CG01-HA05	4	186	Yes	Yes	Yes
15	MLT-2022-015-XXX	IT22900990-LT01-CG01-HA04	78	16993	Yes	Yes	Yes
16	MLT-2022-015-XXX	IT21900881-TR01-TR01-CG01-MC01-HA01	214	43107	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
17	MLT-2022-016-XXX	IT22900991-LT01-CG01-HA05	96	5646	Yes	Yes	Yes
18	MLT-2022-017-XXX	IT22901006-CG01-HA02	108	6916	Yes	Yes	Yes
18	MLT-2022-017-XXX	IT22901013-CG02-HA03	30	1921	Yes	Yes	Yes
19	MLT-2022-019-XXX	IT21900881-TR01-TR01-CG01-MC01-HA02	105	21960	Yes	Yes	Yes
20	MLT-2022-018-XXX	IT22900975-LT01-CG01-HA07	101	5616	Yes	Yes	Yes
21	MLT-2022-023-XXX	IT22900991-LT01-CG01-HA06	5	942	Yes	Yes	Yes
22	MLT-2022-020-XXX	IT21900890-LT01-TR01-CG02-MC01-HA01	100	10506	Yes	Yes	Yes
23	MLT-2020-022-XXX	IT22901021-CG01-HA01	100	18282	Yes	Yes	Yes
24	MLT-2022-021-XXX	IT22901019-LT01-CG02-HA03	131	27928	Yes	Yes	Yes
25	MLT-2022-024-XXX	IT22901019-LT01-CG01-HA04	70	19667	Yes	Yes	Yes
25	MLT-2022-024-XXX	IT22901021-CG01-HA03	14	3934	Yes	Yes	Yes
26	MLT-2022-025-XXX	IT21900890-LT01-TR01-CG02-MC01-HA03	137	41988	Yes	Yes	Yes
27	MLT-2022-026-XXX	TR22900107-HA01	203	50103	Yes	Yes	Yes
28	MLT-2022-027-XXX	TR22900090-CG01-HA01	30	7716	Yes	Yes	Yes
29	MLT-2022-028-XXX	TR22900090-CG01-HA03	157	30823	Yes	Yes	Yes
30	MLT-2022-029-XXX	TR22900107-HA03	244	17440	Yes	Yes	Yes
31	MLT-2022-030-XXX	TR22900090-CG01-HA06	275	34214	Yes	Yes	Yes
32	MLT-2022-031-XXX	IT22900957-LT01-CG01-HA03	53	14268	Yes	Yes	Yes
32	MLT-2022-032-XXX	IT22900957-LT01-CG01-HA02	45	10024	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
33	MLT-2022-033-XXX	IT22900957-LT01-CG01-HA01	6	1106	Yes	Yes	Yes
34	MLT-2022-034-XXX	IT21900891-LT01-TR01-TR01-CG01-MC01-HA02	50	2330	Yes	Yes	Yes
34	MLT-2022-035-XXX	IT21900902-LT01-CG03-MC01-HA01	551	36551	Yes	Yes	Yes
35	MLT-2022-036-XXX	IT22900991-LT01-CG01-HA07	7	1422	Yes	Yes	Yes
36	MLT-2022-037-XXX	IT22901013-CG02-HA04	5	953	Yes	Yes	Yes
37	MLT-2022-038-XXX	IT22900956-LT01-CG01-HA02	8	1767	Yes	Yes	Yes
38	MLT-2022-039-XXX	IT21900890-LT01-TR01-CG02-MC01-HA04	34	7518	Yes	Yes	Yes
38	MLT-2022-039-XXX	IT21900902-LT01-CG03-MC01-HA02	29	6412	Yes	Yes	Yes
39	MLT-2022-040-XXX	IT22900976-LT01-TR01-CG01-HA06	5	1331	Yes	Yes	Yes
40	MLT-2022-041-XXX	IT22900975-LT01-CG01-HA08	9	2089	Yes	Yes	Yes
41	MLT-2022-042-XXX	IT22901021-CG01-HA04	3	700	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	21	21	0	0
2	3	3	0	0
3	16	16	0	0
4	25	25	0	0
5	28	28	0	0
6	10	10	0	0
7	6	6	0	0
8	61	61	0	0
9	1	1	0	0
10	1	1	0	0
11	1	1	0	0
12	7	7	0	0
13	1	1	0	0
14	1	1	0	0
15	1	1	0	0
16	26	26	0	0
17	3	3	0	0
18	32	32	0	0
19	23	23	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	33	33	0	0
21	32	32	0	0
22	4	4	0	0
23	53	53	0	0
24	27	27	0	0
25	28	28	0	0
26	1	1	0	0
27	26	26	1	1
28	38	38	1	1
29	31	31	0	0
30	9	9	0	0
31	22	22	0	0
32	10	10	0	0
33	14	14	0	0
34	11	11	0	0
35	11	11	0	0
36	5	5	0	0
37	10	10	0	0
38	10	10	0	0
39	14	14	0	0
40	9	9	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	14	14	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
12	Single spaghetti tag	BYP080961	Null	N/A	Null	N/A	Yes	Muscle Tissue
13	Single spaghetti tag	BYP083117	192	CFL	177	Whole	Yes	Fin Clip

* Harvest operation as per Table 18.

All biological samples were provided to AquaBio Tech representatives, in coordination with GBYP

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	
		Panama		Carrier	No	TUNA PROCESSING VESSEL
		Panama		Carrier	No	TUNA PROCESSING VESSEL
		Panama		Carrier	No	TUNA PROCESSING VESSEL
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0723</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Cláudio Brandão
Observer ICCAT ID No	889
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	20/09/2022		Lisbon, Portugal
Date of mobilisation	20/09/2022		
Arrival to port / farm	21/09/2022		San Pedro del Pinatar, Spain
Request dates	22/09/2022	27/10/2022	
Deployment period	22/09/2022	22/10/2022	
Departure from port / farm	27/10/2022		San Pedro del Pinatar, Spain
Return home	28/10/2022		
Debriefing	03/11/2022		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
CONTROL	0	0	N/A
ESP-001	268		ES22901465
ESP-001	882		IT22900961-LT01
ESP-002	359		ES22901500-CG01
ESP-002	862		IT22900980
ESP-003	266		ES22901552-CG01
ESP-003	1092		IT22901018-CG01
ESP-004	316		ES22901552-CG02
ESP-004	1045		IT22901018-CG02
ESP-005	343		ES22901497 CG01
ESP-005	1130		IT22900978
ESP-006	151		ES22901557
ESP-006	495		IT22901022
ESP-021	196		ES22901463
ESP-021	467		FR22900749
ESP-022	361		ES22901498-CG01
ESP-022	866		FR22900777-CG01
ESP-023	296		ES22901498-CG02
ESP-023	788		FR22900777-CG02

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-024	209		ES22901494-LT01
ESP-024	499		FR22900774-CG01
ESP-025	0	0	N/A
ESP-025	0	0	N/A
ESP-026	399		ES22901519-CG01
ESP-026	956		FR22900797
ESP-027	324		ES22901498-CG03
ESP-027	775		FR22900777-CG03
ESP-028	238		ES22901504
ESP-028	569		FR22900784
ESP-029	315		ES22901498-CG04
ESP-029	753		FR22900777-CG04
ESP-036R	0	0	N/A
ESP-040R	0	0	N/A
ESP-047R	0	0	N/A
ESP-051R	0	0	N/A

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor; 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 No inter-farm transfers were performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations were performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No intra-farm transfers were performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	23/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
2	24/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
3	27/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
4	27/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
5	28/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
6	28/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
7	29/09/2022	Bulk Harvest	ESP-002	Yes	Yes		
8	29/09/2022	Bulk Harvest	ESP-003	Yes	Yes		
9	30/09/2022	Bulk Harvest	ESP-022	Yes	Yes		
10	30/09/2022	Bulk Harvest	ESP-022	Yes	Yes		
11	30/09/2022	Bulk Harvest	ESP-028	Yes	Yes		
12	01/10/2022	Bulk Harvest	ESP-028	Yes	Yes		
13	01/10/2022	Bulk Harvest	ESP-003	Yes	Yes		
14	02/10/2022	Bulk Harvest	ESP-028	Yes	Yes		
15	03/10/2022	Bulk Harvest	ESP-021	Yes	Yes		
16	03/10/2022	Bulk Harvest	ESP-021	Yes	Yes		
17	04/10/2022	Bulk Harvest	ESP-021	Yes	Yes		
18	05/10/2022	Bulk Harvest	ESP-021	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	05/10/2022	Bulk Harvest	ESP-024	Yes	Yes		
20	06/10/2022	Fresh Export	ESP-023	Yes	Yes		
21	07/10/2022	Fresh Export	ESP-024	Yes	Yes		
22	07/10/2022	Bulk Harvest	ESP-024	Yes	Yes		
23	09/10/2022	Bulk Harvest	ESP-024	Yes	Yes		
24	10/10/2022	Bulk Harvest	ESP-024	Yes	Yes		
25	11/10/2022	Bulk Harvest	ESP-027	Yes	Yes		
26	12/10/2022	Bulk Harvest	ESP-027	Yes	Yes		
27	15/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
28	16/10/2022	Bulk Harvest	ESP-001	Yes	Yes		
29	16/10/2022	Bulk Harvest	ESP-027	Yes	Yes		
30	17/10/2022	Bulk Harvest	ESP-027	Yes	Yes		
31	18/10/2022	Bulk Harvest	ESP-029	Yes	Yes		
32	18/10/2022	Bulk Harvest	ESP-005	Yes	Yes		
33	20/10/2022	Fresh Export	ESP-029	Yes	Yes		
34	22/10/2022	Bulk Harvest	ESP-029	Yes	Yes		
35	23/10/2022	Bulk Harvest	ESP-026	Yes	Yes		
36	24/10/2022	Fresh Export	ESP-023	Yes	Yes		
37	24/10/2022	Fresh Export	ESP-026	Yes	Yes		
38	24/10/2022	Bulk Harvest	ESP-026	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	27/10/2022	Fresh Export	ESP-026	Yes	Yes		
40	27/10/2022	Fresh Export	ESP-023	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	141	42927	141	42927
2	62	17282	62	17282
3	129	44970	129	44970
4	139	42482	139	42482
5	171	42881	171	42881
6	177	44147	177	44147
7	186	42544	186	42544
8	188	42603	188	42603
9	123	42086	123	42086
10	149	42577	149	42577
11	94	28779	94	28779

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
12	52	17252	52	17252
13	87	22032	87	22032
14	137	41344	137	41344
15	129	44337	129	44337
16	188	37163	188	37163
17	146	47658	146	47658
18	122	33866	122	33866
19	101	34527	101	34527
20	31	6242	31	6242
21	3	615	3	615
22	150	46935	150	46935
23	151	43199	151	43199
24	213	44015	213	44015
25	120	45858	120	45858
26	196	69922	196	69922
27	207	43634	207	43634
28	152	32656	152	32656
29	68	15024	68	15024
30	207	47287	207	47287

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
31	192	46629	192	46629
32	249	53511	249	53511
33	29	6628	29	6628
34	112	41413	112	41413
35	107	41180	107	41180
36	28	6588	28	6588
37	32	7238	32	7238
38	105	38812	105	38812
39	31	8045	31	8045
40	8	1015	8	1015

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/022/DSDT / EU-ESP-2022/023/DSDT	ES22901500-CG01-HA02	141	42927	Yes	Yes	Yes
2	EU-ESP-2022/024/DSDT	ES22901500-CG01-HA03	62	17282	Yes	Yes	Yes
3	EU-ESP-2022/026/DSDT / EU-ESP-2022/027/DSDT	ES22901500-CG01-HA04	129	44970	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
4	EU-ESP-2022/030/DSDT / EU-ESP-2022/031/DSDT	ES22901500-CG01-HA05	27	9694	Yes	Yes	Yes
4	EU-ESP-2022/030/DSDT / EU-ESP-2022/031/DSDT	IT22900980-HA07	112	32788	Yes	Yes	Yes
5	EU-ESP-2022/032/DSDT / EU-ESP-2022/033/DSDT	IT22900980-HA09	171	42881	Yes	Yes	Yes
6	EU-ESP-2022/036/DSDT / EU-ESP-2022/037/DSDT	IT22900980-HA08	177	44147	Yes	Yes	Yes
7	EU-ESP-2022/038/DSDT / EU-ESP-2022/039/DSDT	IT22900980-HA010	186	42544	Yes	Yes	Yes
8	EU-ESP-2022/044/DSDT / EU-ESP-2022/045/DSDT	ES22901552-CG01-HA02	188	42603	Yes	Yes	Yes
9	EU-ESP-2022/046/DSDT / EU-ESP-2022/047/DSDT	ES22901498-CG01-HA02	55	19757	Yes	Yes	Yes
9	EU-ESP-2022/046/DSDT / EU-ESP-2022/047/DSDT	FR22900777-CG01-HA03	68	22329	Yes	Yes	Yes
10	EU-ESP-2022/050/DSDT / EU-ESP-2022/051/DSDT	FR22900777-CG01-HA04	73	20904	Yes	Yes	Yes
10	EU-ESP-2022/050/DSDT / EU-ESP-2022/051/DSDT	FR22900777-CG01-HA05	76	21673	Yes	Yes	Yes
11	EU-ESP-2022/052/DSDT / EU-ESP-2022/053/DSDT / EU-ESP-2022/054/DSDT	ES22901504-HA02	94	28779	Yes	Yes	Yes
12	EU-ESP-2022/057/DSDT	FR22900784-HA01	52	17252	Yes	Yes	Yes
13	EU-ESP-2022/055/DSDT / EU-ESP-2022/056/DSDT	IT22901018-CG01-HA02	87	22032	Yes	Yes	Yes
14	EU-ESP-2022/063/DSDT / EU-ESP-2022/064/DSDT	FR22900784-HA03	137	41344	Yes	Yes	Yes
15	EU-ESP-2022/065/DSDT / EU-ESP-2022/066/DSDT	ES22901463-HA01	129	44337	Yes	Yes	Yes
16	EU-ESP-2022/069/DSDT / EU-ESP-2022/070/DSDT	ES22901463-HA02	67	11326	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
16	EU-ESP-2022/069/DSDT / EU-ESP-2022/070/DSDT	FR22900749-HA01	121	25837	Yes	Yes	Yes
17	EU-ESP-2022/072/DSDT / EU-ESP-2022/073/DSDT	FR22900749-HA02	146	47658	Yes	Yes	Yes
18	EU-ESP-2022/077/DSDT / EU-ESP-2022/078/DSDT	FR22900749-HA03	122	33866	Yes	Yes	Yes
19	EU-ESP-2022/076/DSDT / EU-ESP-2022/079/DSDT	ES22901494-LT01-HA01	101	34527	Yes	Yes	Yes
20	EU-ESP-2022/082/DSDT	ES22901498-CG02-HA04	31	6242	Yes	Yes	Yes
21	EU-ESP-2022/087/DSDT	ES22901494-LT01-HA02	3	615	Yes	Yes	Yes
22	EU-ESP-2022/083/DSDT / EU-ESP-2022/084/DSDT	ES22901494-LT01-HA03	105	33810	Yes	Yes	Yes
22	EU-ESP-2022/083/DSDT / EU-ESP-2022/084/DSDT	FR22900774-CG01-HA01	45	13125	Yes	Yes	Yes
23	EU-ESP-2022/089/DSDT / EU-ESP-2022/088/DSDT	FR22900774-CG01-HA02	151	43199	Yes	Yes	Yes
24	EU-ESP-2022/091/DSDT / EU-ESP-2022/092/DSDT	FR22900774-CG01-HA03	213	44015	Yes	Yes	Yes
25	EU-ESP-2022/095/DSDT / EU-ESP-2022/096/DSDT	ES22901498-CG03-HA01	120	45858	Yes	Yes	Yes
26	EU-ESP-2022/097/DSDT / EU-ESP-2022/098/DSDT	ES22901498-CG03-HA02	196	69922	Yes	Yes	Yes
27	EU-ESP-2022/100/DSDT / EU-ESP-2022/101/DSDT	IT22900961-LT01-HA03	207	43634	Yes	Yes	Yes
28	EU-ESP-2022/102/DSDT / EU-ESP-2022/103/DSDT	IT22900961-LT01-HA04	152	32656	Yes	Yes	Yes
29	EU-ESP-2022/104/DSDT / EU-ESP-2022/105/DSDT	FR22900777-CG03-HA02	68	15024	Yes	Yes	Yes
30	EU-ESP-2022/109/DSDT EU-ESP-2022/110/DSDT	ES22901498-CG03-HA03	8	1380	Yes	Yes	Yes
30	EU-ESP-2022/109/DSDT EU-ESP-2022/110/DSDT	FR22900777-CG03-HA03	199	45907	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
31	EU-ESP-2022/117/DSDT / EU-ESP-2022/118/DSDT	ES22901498-CG04-HA01	192	46629	Yes	Yes	Yes
32	EU-ESP-2022/121/DSDT / EU-ESP-2022/122/DSDT	ES22901497-HA04	55	12156	Yes	Yes	Yes
32	EU-ESP-2022/121/DSDT / EU-ESP-2022/122/DSDT	IT22900978-CG01-HA01	194	41355	Yes	Yes	Yes
33	EU-ESP-2022/125/DSDT	ES22901498-CG04-HA03	6	1055	Yes	Yes	Yes
33	EU-ESP-2022/125/DSDT	FR22900777-CG04-HA01	23	5573	Yes	Yes	Yes
34	EU-ESP-2022/128/DSDT / EU-ESP-2022/129/DSDT	FR22900777-CG04-HA03	112	41413	Yes	Yes	Yes
35	EU-ESP-2022/136/DSDT	ES22901519-CG01-HA01	50	18937	Yes	Yes	Yes
35	EU-ESP-2022/136/DSDT	ES22901519-CG01-HA02	57	22243	Yes	Yes	Yes
36	EU-ESP-2022/137/DSDT	ES22901498-CG02-HA07	28	6588	Yes	Yes	Yes
37	EU-ESP-2022/138/DSDT	ES22901519-CG01-HA03	32	7238	Yes	Yes	Yes
38	EU-ESP-2022/141/DSDT / EU-ESP-2022/142/DSDT	ES22901519-CG01-HA04	105	38812	Yes	Yes	Yes
39	EU-ESP-2022/145/DSDT	ES22901519-CG01-HA05	31	8045	Yes	Yes	Yes
40	EU-ESP-2022/146/DSDT	ES22901498-CG02-HA08	8	1015	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	N/A
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No PNCs occurred during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	36	36	0	0
2	17	17	0	0
3	33	33	0	0
4	37	37	0	0
5	31	31	0	0
6	32	32	0	0
7	34	34	0	0
8	34	34	0	0
9	29	29	0	0
10	26	26	0	0
11	19	19	0	0
12	12	12	0	0
13	22	22	0	0
14	34	34	0	0
15	26	26	0	0
16	45	45	0	0
17	26	26	0	0
18	21	21	0	0
19	22	22	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	31	31	0	0
21	3	3	0	0
22	30	30	0	0
23	32	32	0	0
24	32	32	0	0
25	28	28	0	1
26	40	40	0	0
27	40	40	0	0
28	28	28	0	0
29	11	11	1	1
30	37	37	0	0
31	30	30	0	0
32	50	50	0	0
33	29	29	0	0
34	25	25	0	0
35	22	22	0	0
36	28	28	0	0
37	32	32	0	0
38	25	25	0	0
39	31	31	0	0
40	8	8	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
25	Single spaghetti tag	BYP 080598 ICCAT C.P. 542 Madrid Spain	263	CFL	336	Whole	No	N/A
29	Single spaghetti tag	ICCAT 75 VIR.BCH.DR.MIAMI,FL 33149 USA HM103421	232	CFL	233	Whole	Yes	Fin Clip & Muscle Tissue

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	
		EU.España		Farm	No	
		Panama		Carrier	No	
		EU.Italy		Farm	No	
		EU.Portugal		Farm	No	
		EU.España		Farm	No	
		Panama		Carrier	No	
		EU.España		Farm	No	
		EU.España		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request NuXXXer: <u>001EU0724</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Luca Tiberti
Observer ICCAT ID No	803
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	30/09/2022		Split, Croatia
Date of mobilisation	30/09/2022		
Arrival to port / farm	01/10/2022		Valletta, Malta
Request dates	01/10/2022	29/11/2022	
Deployment period	01/10/2022	29/11/2022	
Departure from port / farm	30/11/2022		Valletta, Malta
Return home	02/12/2022		
Debriefing	01/12/2022		Split, Croatia

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage nuXXXer	NuXXXer of tuna (n)	Amount of fish (kg)	eBCD nuXXXers
EUMLT003XXX	97	11402.74	MA22900026-CG01
EUMLT003XXX	1290	151959.416	TN22900011-LT01-TR01-CG01
EUMLT005XXX	1377	175594.369	MT22900389-G-MC02
EUMLT006 XXX	92	10566.348	MA22900026-CG02
EUMLT006 XXX	1228	140466.416	TN22900011-LT01-TR01-CG02
EUMLT009 XXX	1475	168594.619	MT22900388-G-MC02
EUMLT010 XXX	669	76467.369	MT22900388-G-MC01
EUMLT010 XXX	650	73832.85	TN22900008-TR01-TR01-CG02-MC01
EUMLT011 XXX	144	16382.099	MA22900022-CG02
EUMLT011 XXX	1272	144485.608	TN22900008-TR01-TR01-CG02-MC02
EUMLT013 XXX	183	27939.918	CY22900012-CG02
EUMLT013 XXX	924	140723.376	FR22900816-CG02
EUMLT014 XXX	160	23407.866	CY22900012-CG01
EUMLT014 XXX	805	117897.053	FR22900816-CG01
EUMLT018 XXX	1165	144912.305	DZ22900004-TR01
EUMLT018 XXX	237	30222.24	MT22900389-G-MC01
EUMLT019 XXX	35	4559.187	MA22900022-CG01
EUMLT019 XXX	472	60506.143	TN22900008-TR01-TR01-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation nuXXXer: Unique identification field linked to the deployment data set
 There were no caging operations performed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
 ** Standard / Inter-farm Transfer / Trap
 *** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
 ** Control caging operation nuXXXer: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification nuXXXers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation nuXXXer: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation nuXXXer as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation nuXXXer as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification nuXXXers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation nuXXXer: Unique identification field linked to the deployment data set.

** Prior segregation operation nuXXXer: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation nuXXXer: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations performed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation nuXXXer: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	03/10/2022	Bulk Harvest	EUMLT009 XXX	Yes	Yes		
2	04/10/2022	Bulk Harvest	EUMLT009 XXX	Yes	Yes		
3	05/10/2022	Bulk Harvest	EUMLT009 XXX	Yes	Yes		
4	06/10/2022	Bulk Harvest	EUMLT009 XXX	Yes	Yes		
5	07/10/2022	Bulk Harvest	EUMLT009 XXX	Yes	Yes		
6	08/10/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
7	09/10/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		
8	10/10/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		
9	24/10/2022	Bulk Harvest	EUMLT014 XXX	Yes	Yes		
10	25/10/2022	Bulk Harvest	EUMLT014 XXX	Yes	Yes		
11	26/10/2022	Bulk Harvest	EUMLT014 XXX	Yes	Yes		
12	27/10/2022	Bulk Harvest	EUMLT014 XXX	Yes	Yes		
13	26/10/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
14	28/10/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
15	29/10/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
16	29/10/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		
17	30/10/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		
18	30/10/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	01/11/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		
20	02/11/2022	Bulk Harvest	EUMLT006 XXX	Yes	Yes		
21	03/11/2022	Bulk Harvest	EUMLT006 XXX	Yes	Yes		
22	04/11/2022	Bulk Harvest	EUMLT003 XXX	Yes	Yes		
23	05/11/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		
24	07/11/2022	Bulk Harvest	EUMLT011 XXX	Yes	Yes		
25	07/11/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
26	08/11/2022	Bulk Harvest	EUMLT003 XXX	Yes	Yes		
27	09/11/2022	Bulk Harvest	EUMLT006 XXX	Yes	Yes		
28	10/11/2022	Bulk Harvest	EUMLT010 XXX	Yes	Yes		
29	10/11/2022	Bulk Harvest	EUMLT019 XXX	Yes	Yes		
30	11/11/2022	Bulk Harvest	EUMLT003 XXX	Yes	Yes		
31	14/11/2022	Bulk Harvest	EUMLT006 XXX	Yes	Yes		
32	14/11/2022	Bulk Harvest	EUMLT003 XXX	Yes	Yes		
33	15/11/2022	Bulk Harvest	EUMLT019 XXX	Yes	Yes		
34	15/11/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		
35	16/11/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		
36	25/11/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		
37	26/11/2022	Bulk Harvest	EUMLT013 XXX	Yes	Yes		

* Harvest operation nuXXXer: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	113	39279	113	39237
2	137	41117	137	41062
3	153	41147	153	41085
4	309	42149	309	42009
5	204	40822	204	40735
6	211	34374	211	36573
7	164	41588	164	41546
8	78	19842	78	19693
9	159	60201	159	60168
10	203	60140	203	60027
11	226	60262	226	60218
12	46	12000	46	11987
13	131	47197	131	47174
14	213	63709	213	63623
15	109	34123	109	34114
16	82	28857	82	28807
17	192	56717	192	56687
18	225	59487	225	59482
19	272	61074	272	60985
20	305	57953	305	57891

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
21	299	50415	299	50405
22	305	46032	305	46032
23	222	16160	222	16164
24	363	24221	363	24130
25	196	13483	196	13441
26	297	49403	297	49308
27	269	52196	269	52145
28	295	28586	295	28495
29	106	19146	106	19375
30	143	30364	143	30339
31	64	13578	64	13547
32	154	33662	154	33577
33	23	6469	23	6278
34	158	34878	158	34870
35	193	51996	193	51878
36	143	44404	143	44263
37	300	72300	300	72287

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT20220001XXX	MT22900388-G-MC02-HA01	113	39237	Yes	Yes	Yes
2	MLT20220002XXX	MT22900388-G-MC02-HA01	137	41062	Yes	Yes	Yes
3	MLT20220003XXX	MT22900388-G-MC02-HA01	153	41085	Yes	Yes	Yes
4	MLT20220004XXX	MT22900388-G-MC02-HA01	309	42009	Yes	Yes	Yes
5	MLT20220005XXX	MT22900388-G-MC02-HA01	204	40735	Yes	Yes	Yes
6	MLT20220006XXX	MT22900388-G-MC01-HA01	211	36573	Yes	Yes	Yes
7	MLT20220007XXX	FR22900816-CG02-HA03	164	41546	Yes	Yes	Yes
8	MLT20220008XXX	FR22900816-CG02-HA03	78	19693	Yes	Yes	Yes
9	MLT20220009XXX	CY22900012-CG01-HA01	159	60168	Yes	Yes	Yes
10	MLT20220010XXX	FR22900816-CG01-MC01-HA01	203	60027	Yes	Yes	Yes
11	MLT20220011XXX	FR22900816-CG01-MC01-HA01	226	60218	Yes	Yes	Yes
12	MLT20220012XXX	FR22900816-CG01-MC01-HA01	46	11987	Yes	Yes	Yes
13	MLT20220013XXX	MT22900388-G-MC01-HA02	131	47174	Yes	Yes	Yes
14	MLT20220014XXX	MT22900388-G-MC01-HA02	213	63623	Yes	Yes	Yes
15	MLT20220015XXX	MT22900388-G-MC01-HA02	68	21215	Yes	Yes	Yes
15	MLT20220016XXX	MT22900388-G-MC01-HA03	41	12899	Yes	Yes	Yes
16	MLT20220017XXX	MA22900022-CG02-HA01	82	28807	Yes	Yes	Yes
17	MLT20220018XXX	TN22900008-TR01-TR01-CG02-MC02-HA01	192	56687	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
18	MLT20220019XXX	TN22900008-TR01-TR01-CG02-MC02-HA01	79	22038	Yes	Yes	Yes
18	MLT20220020XXX	TN22900008-TR01-TR01-CG02-MC02-HA04	146	37444	Yes	Yes	Yes
19	MLT20220021XXX	TN22900008-TR01-TR01-CG02-MC02-HA02	157	35099	Yes	Yes	Yes
19	MLT20220022XXX	TN22900008-TR01-TR01-CG02-MC02-HA03	115	25886	Yes	Yes	Yes
20	MLT20220023XXX	TN22900011-LT01-TR01-CG02-HA02	305	57891	Yes	Yes	Yes
21	MLT20220024XXX	TN22900011-LT01-TR01-CG02-HA01	129	25233	Yes	Yes	Yes
21	MLT20220025XXX	TN22900011-LT01-TR01-CG02-HA02	170	25172	Yes	Yes	Yes
22	MLT20220026XXX	TN22900011-LT01-TR01-CG01-HA01	305	46032	Yes	Yes	Yes
23	MLT20220027XXX	TN22900008-TR01-TR01-CG02-MC02-HA04	222	16164	Yes	Yes	Yes
24	MLT20220028XXX	MA22900022-CG02-HA02	2	133	Yes	Yes	Yes
24	MLT20220028XXX	TN22900008-TR01-TR01-CG02-MC02-HA05	361	23997	Yes	Yes	Yes
25	MLT20220029XXX	TN22900008-TR01-TR01-CG02-MC01-HA01	196	13441	Yes	Yes	Yes
26	MLT20220030XXX	TN22900011-LT01-TR01-CG01-HA01	297	49308	Yes	Yes	Yes
27	MLT20220032XXX	TN22900011-LT01-TR01-CG02-HA02	269	52145	Yes	Yes	Yes
28	MLT20220034XXX	TN22900008-TR01-TR01-CG02-MC01-HA01	295	28495	Yes	Yes	Yes
29	MLT20220035XXX	TN22900008-TR01-TR01-CG01-HA01	106	19375	Yes	Yes	Yes
30	MLT20220038XXX	TN22900011-LT01-TR01-CG01-HA01	143	30339	Yes	Yes	Yes
31	MLT20220044XXX	MA22900026-CG02-HA01	64	13547	Yes	Yes	Yes
32	MLT20220045XXX	TN22900011-LT01-TR01-CG01-HA04	154	33577	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
33	MLT20220046XXX	TN22900008-TR01-TR01-CG01-HA04	23	6278	Yes	Yes	Yes
34	MLT20220047XXX	CY22900012-CG02-HA01	23	5522	Yes	Yes	Yes
34	MLT20220048XXX	CY22900012-CG02-HA02	135	29348	Yes	Yes	Yes
35	MLT20220049XXX	BCD FR22900816-CG02-HA04	193	51878	Yes	Yes	Yes
36	MLT20220050XXX	FR22900816-CG02-HA05	143	44623	Yes	Yes	Yes
37	MLT20220051XXX	FR22900816-CG02-HA05	300	77287	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & NuXXXer *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	15	15	0	0
2	20	20	0	0
3	22	22	0	0
4	42	42	0	0
5	32	32	0	0
6	35	35	0	0
7	24	24	0	0
8	12	12	0	0
9	25	25	0	0
10	25	25	0	0
11	28	28	0	0
12	6	6	0	0
13	18	18	0	0
14	31	31	0	0
15	15	15	0	0
16	14	14	0	0
17	27	27	0	0
18	30	30	0	0
19	35	35	1	1
20	38	38	0	0
21	33	33	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
22	33	33	0	0
23	26	26	0	0
24	37	37	0	0
25	24	24	0	0
26	36	36	1	1
27	30	30	0	0
28	36	36	0	0
29	14	14	0	0
30	15	15	1	1
31	9	9	0	0
32	19	19	0	0
33	5	5	0	0
35	27	27	0	0
36	21	21	0	0
37	30	30	0	0
1	15	15	0	0
2	20	20	0	0
3	22	22	0	0
4	42	42	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
19	Single spaghetti tag	BYP057579	226	CFL	228	Whole	Yes	Fin Clip
26	Single spaghetti tag	BYP080446	208	CFL	152	Whole	Yes	Fin Clip
30	Single spaghetti tag	BYP016671	240	CFL	240	Whole	Yes	Dorsal spine

* Harvest operation as per Table 18.

The biological samples were provided to AquaBio Tech in coordination with GBYP.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0725</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Pedro FONSECA SOUSA DE JESUS
Observer ICCAT ID No	10
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	24/09/2022		Lisbon, Portugal
Date of mobilisation	23/09/2022		
Arrival to port / farm	25/09/2022		Marsaxlokk, Malta
Request dates	25/09/2022	23/12/2022	
Deployment period	25/09/2022	23/12/2022	
Departure from port / farm	24/12/2022		Marsaxlokk, Malta
Return home	24/12/2022		
Debriefing	30/12/2022		Valencia, Spain

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU-MLT-001-XXX	1267		MT21900446-G-CG01-MC01-MC01
EU-MLT-001-XXX	967		MT21900446-G-CG01-MC02-MC01
EU-MLT-002-XXX	864		LY22900001-LT01-CG04
EU-MLT-002-XXX	495		LY22900002-LT01-CG01
EU-MLT-002-XXX	765		LY22900002-LT01-CG02
EU-MLT-003-XXX	786		LY22900001-LT01-CG01
EU-MLT-003-XXX	783		LY22900001-LT01-CG02
EU-MLT-003-XXX	451		LY22900001-LT01-CG03
EU-MLT-004-XXX	673		LY22900002-LT01-CG03
EU-MLT-004-XXX	1131		LY22900010-LT01
EU-MLT-005-XXX	1097		LY22900003-LT01-CG01
EU-MLT-005-XXX	853		LY22900009-LT01
EU-MLT-006-XXX	1010		LY22900001-LT01-CG05
EU-MLT-006-XXX	1143		LY22900002-LT01-CG04
EU-MLT-006-XXX	1061		LY22900003-LT01-CG02
EU-MLT-012-XXX	491		LY22900003-LT01-CG03
EU-MLT-012-XXX	477		LY22900008
EU-MLT-013-XXX	502		MT22900399-G-CG01
EU-MLT-014-XXX	81		MT22900399-G-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU-MLT-015-XXX	1459		MT22900398-G-CG01
EU-MLT-016-XXX	819		MT22900398-G-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	30/09/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
2	30/09/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
3	01/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
4	01/10/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
5	02/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
6	02/10/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
7	03/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
8	03/10/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
9	04/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
10	04/10/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
11	05/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		
12	05/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
13	05/10/2022	Fresh Export	EU-MLT-003-XXX	Yes	Yes		
14	06/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
15	06/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
16	07/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
17	07/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
18	08/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	08/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
20	09/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
21	09/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
22	10/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
23	10/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
24	11/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
25	11/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
26	11/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
27	11/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
28	12/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
29	12/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
30	13/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
31	13/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
32	13/10/2022	Fresh Export	EU-MLT-005-XXX	Yes	Yes		
33	15/10/2022	Bulk Harvest	EU-MLT-005-XXX	Yes	Yes		
34	15/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
35	15/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
36	16/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
37	16/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
38	17/10/2022	Bulk Harvest	EU-MLT-003-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	17/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
40	17/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
41	18/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
42	19/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
43	20/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
44	20/10/2022	Fresh Export	EU-MLT-006-XXX	Yes	Yes		
45	21/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
46	22/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
47	22/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
48	23/10/2022	Fresh Export	EU-MLT-002-XXX	Yes	Yes		
49	23/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
50	24/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
51	24/10/2022	Bulk Harvest	EU-MLT-006-XXX	Yes	Yes		
52	24/10/2022	Fresh Export	EU-MLT-002-XXX	Yes	Yes		
53	25/10/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
54	25/10/2022	Bulk Harvest	EU-MLT-004-XXX	Yes	Yes		
55	25/10/2022	Fresh Export	EU-MLT-002-XXX	Yes	Yes		
56	26/10/2022	Fresh Export	EU-MLT-002-XXX	Yes	Yes		
57	28/10/2022	Fresh Export	EU-MLT-002-XXX	Yes	Yes		
58	29/10/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
59	30/10/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
60	31/10/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
61	01/11/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
62	02/11/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
63	03/11/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
64	21/11/2022	Fresh Export	EU-MLT-012-XXX	Yes	Yes		
65	23/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
66	24/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
67	25/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
68	26/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
69	29/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
70	30/11/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
71	01/12/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
72	02/12/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
73	03/12/2022	Fresh Export	EU-MLT-004-XXX	Yes	Yes		
74	04/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
75	05/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
76	06/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
77	07/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
78	08/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
79	09/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
80	12/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
81	13/12/2022	Fresh Export	EU-MLT-001-XXX	Yes	Yes		
82	14/12/2022	Bulk Harvest	EU-MLT-004-XXX	Yes	Yes		
83	15/12/2022	Bulk Harvest	EU-MLT-002-XXX	Yes	Yes		
84	15/12/2022	Bulk Harvest	EU-MLT-012-XXX	Yes	Yes		
85	16/12/2022	Bulk Harvest	EU-MLT-012-XXX	Yes	Yes		
86	16/12/2022	Bulk Harvest	EU-MLT-004-XXX	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	100	30027	100	30027
2	61	15700	61	15700
3	250	67395	250	67395
4	45	9870	45	9870
5	263	65852	263	65842
6	66	15550	66	15550

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
7	292	65489	292	65489
8	66	17730	66	17730
9	320	71103	320	71103
10	67	15950	67	15950
11	159	21765	159	21765
12	185	45461	185	45461
13	64	14290	64	14290
14	227	62624	227	62624
15	67	16650	67	16650
16	292	68198	292	68198
17	67	16520	67	16520
18	294	66522	294	66522
19	66	16840	66	16840
20	293	65936	293	65936
21	65	16130	65	16130
22	209	65039	209	65039
23	66	17620	66	17620
24	37	3517	37	3517
25	220	67970	220	67880

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
26	103	34381	103	34351
27	65	15740	66	15740
28	242	68636	242	68536
29	72	19430	72	19430
30	167	11644	167	11644
31	370	29992	370	29932
32	36	9600	36	9600
33	36	12930	36	12930
34	200	54432	200	54262
35	64	13900	64	13900
36	394	74563	394	74263
37	69	16810	69	16810
38	188	23850	188	23700
39	180	28956	180	28436
40	67	13510	67	13510
41	66	12760	66	12760
42	67	14470	67	14470
43	223	69020	223	68770
44	44	9900	44	9900

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
45	307	66303	307	66063
46	264	71923	264	71703
47	25	2481	25	2481
48	67	14820	67	14820
49	332	67720	332	67540
50	261	51497	261	50537
51	78	14369	78	14259
52	65	12730	65	12730
53	83	17901	83	17821
54	142	29911	142	29781
55	66	15380	66	15380
56	65	15910	65	15910
57	67	13610	67	13610
58	104	10520	104	10520
59	105	13770	105	13770
60	104	12280	104	12280
61	117	12760	117	12760
62	66	11150	66	11150
63	64	13000	64	13000

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
64	56	13140	56	13140
65	108	16320	108	16320
66	144	17120	144	17120
67	66	13660	66	13660
68	69	19530	69	19530
69	103	14450	103	14450
70	106	14770	106	14770
71	91	17570	91	17570
72	66	16260	66	16260
73	41	8000	41	8000
74	69	11410	69	11410
75	68	14350	68	14350
76	77	13510	77	13510
77	69	12140	69	12140
78	64	12990	64	12990
79	67	15580	67	15580
80	64	12910	64	12910
81	70	16120	70	16120
82	171	34209	171	34209

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
83	37	10602	37	10602
84	176	25272	176	23712
85	127	31394	127	30904
86	158	41738	158	40068

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-001-XXX	LY22900001-LT01-CG03-HA01	100	30027	Yes	Yes	Yes
2	MLT-2022-002-XXX	LY22900001-LT01-CG03-HA02	61	15700	Yes	Yes	Yes
3	MLT-2022-003-XXX	LY22900001-LT01-CG02-HA01	5	1348	Yes	Yes	Yes
3	MLT-2022-003-XXX	LY22900001-LT01-CG03-HA04	245	66047	Yes	Yes	Yes
4	MLT-2022-004-XXX	LY22900001-LT01-CG03-HA03	45	9870	Yes	Yes	Yes
5	MLT-2022-005-XXX	LY22900001-LT01-CG02-HA02	263	65842	Yes	Yes	Yes
6	MLT-2022-006-XXX	LY22900001-LT01-CG02-HA06	66	155550	Yes	Yes	Yes
7	MLT-2022-007-XXX	LY22900001-LT01-CG02-HA04	292	65489	Yes	Yes	Yes
8	MLT-2022-008-XXX	LY22900001-LT01-CG02-HA05	66	17730	Yes	Yes	Yes
9	MLT-2022-009-XXX	LY22900001-LT01-CG01-HA06	320	71103	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
10	MLT-2022-010-XXX	LY22900001-LT01-CG02-HA07	67	15950	Yes	Yes	Yes
11	MLT-2022-011-XXX	LY22900001-LT01-CG01-HA07	159	21765	Yes	Yes	Yes
12	MLT-2022-012-XXX	LY22900003-LT01-CG01-HA01	185	45461	Yes	Yes	Yes
13	MLT-2022-013-XXX	LY22900001-LT01-CG01-HA08	31	6850	Yes	Yes	Yes
13	MLT-2022-013-XXX	LY22900001-LT01-CG01-HA09	33	7440	Yes	Yes	Yes
14	MLT-2022-014-XXX	LY22900003-LT01-CG01-HA02	227	62624	Yes	Yes	Yes
15	MLT-2022-015-XXX	LY22900003-LT01-CG01-HA03	34	6900	Yes	Yes	Yes
15	MLT-2022-015-XXX	LY22900003-LT01-CG01-HA04	33	9750	Yes	Yes	Yes
16	MLT-2022-016-XXX	LY22900003-LT01-CG01-HA05	292	68198	Yes	Yes	Yes
17	MLT-2022-017-XXX	LY22900003-LT01-CG01-HA06	67	16520	Yes	Yes	Yes
18	MLT-2022-018-XXX	LY22900009-LT01-HA07	294	66522	Yes	Yes	Yes
19	MLT-2022-019-XXX	LY22900009-LT01-HA08	66	16840	Yes	Yes	Yes
20	MLT-2022-020-XXX	LY22900009-LT01-HA09	293	65936	Yes	Yes	Yes
21	MLT-2022-021-XXX	LY22900009-LT01-HA010	38	8950	Yes	Yes	Yes
21	MLT-2022-021-XXX	LY22900009-LT01-HA011	27	7180	Yes	Yes	Yes
22	MLT-2022-023-XXX	LY22900003-LT01-CG02-HA02	209	65039	Yes	Yes	Yes
23	MLT-2022-024-XXX	LY22900003-LT01-CG02-HA03	66	17620	Yes	Yes	Yes
24	MLT-2022-025-XXX	LY22900009-LT01-HA012	37	3517	Yes	Yes	Yes
25	MLT-2022-026-XXX	LY22900003-LT01-CG05-HA07	220	67880	Yes	Yes	Yes
26	MLT-2022-027-XXX	LY22900003-LT01-CG05-HA08	103	34351	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
27	MLT-2022-028-XXX	LY22900009-LT01-HA013	65	15740	Yes	Yes	Yes
28	MLT-2022-030-XXX	LY22900001-LT01-CG05-HA09	242	68536	Yes	Yes	Yes
29	MLT-2022-031-XXX	LY22900001-LT01-CG05-HA011	70	18960	Yes	Yes	Yes
29	MLT-2022-031-XXX	LY22900001-LT01-CG05-HA012	2	470	Yes	Yes	Yes
30	MLT-2022-032-XXX	LY22900009-LT01-HA014	167	11644	Yes	Yes	Yes
31	MLT-2022-033-XXX	LY22900001-LT01-CG05-HA010	96	7767	Yes	Yes	Yes
31	MLT-2022-033-XXX	LY22900003-LT01-CG02-HA05	274	22165	Yes	Yes	Yes
32	MLT-2022-034-XXX	LY22900009-LT01-HA015	15	3993	Yes	Yes	Yes
32	MLT-2022-034-XXX	LY22900009-LT01-HA016	21	5607	Yes	Yes	Yes
33	MLT-2022-036-XXX	LY22900003-LT01-CG01-HA07	15	5387	Yes	Yes	Yes
33	MLT-2022-036-XXX	LY22900009-LT01-HA017	21	7543	Yes	Yes	Yes
34	MLT-2022-037-XXX	LY22900001-LT01-CG05-HA013	161	43631	Yes	Yes	Yes
34	MLT-2022-037-XXX	LY22900002-LT01-CG04-HA01	39	10631	Yes	Yes	Yes
35	MLT-2022-038-XXX	LY22900002-LT01-CG04-HA03	64	13900	Yes	Yes	Yes
36	MLT-2022-039-XXX	LY22900002-LT01-CG04-HA04	394	74263	Yes	Yes	Yes
37	MLT-2022-040-XXX	LY22900002-LT01-CG04-HA05	69	16810	Yes	Yes	Yes
38	MLT-2022-041-XXX	LY22900001-LT01-CG01-HA010	164	20674	Yes	Yes	Yes
38	MLT-2022-041-XXX	LY22900001-LT01-CG02-HA08	24	3026	Yes	Yes	Yes
39	MLT-2022-042-XXX	LY22900002-LT01-CG02-HA01	180	28436	Yes	Yes	Yes
40	MLT-2022-043-XXX	LY22900002-LT01-CG04-HA06	67	13510	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
41	MLT-2022-044-XXX	LY22900002-LT01-CG04-HA07	66	12760	Yes	Yes	Yes
42	MLT-2022-045-XXX	LY22900002-LT01-CG04-HA08	67	14470	Yes	Yes	Yes
43	MLT-2022-046-XXX	LY22900002-LT01-CG02-HA02	223	68770	Yes	Yes	Yes
44	MLT-2022-047-XXX	LY22900002-LT01-CG04-HA010	3	1350	Yes	Yes	Yes
44	MLT-2022-047-XXX	LY22900002-LT01-CG04-HA09	41	8550	Yes	Yes	Yes
45	MLT-2022-048-XXX	LY22900002-LT01-CG02-HA03	307	66063	Yes	Yes	Yes
46	MLT-2022-049-XXX	LY22900002-LT01-CG01-HA07	264	71703	Yes	Yes	Yes
47	MLT-2022-050-XXX	LY22900002-LT01-CG04-HA011	25	2481	Yes	Yes	Yes
48	MLT-2022-051-XXX	LY22900002-LT01-CG01-HA09	12	2654	Yes	Yes	Yes
48	MLT-2022-051-XXX	LY22900002-LT01-CG02-HA04	55	12166	Yes	Yes	Yes
49	MLT-2022-052-XXX	LY22900002-LT01-CG01-HA08	332	67540	Yes	Yes	Yes
50	MLT-2022-053-XXX	LY22900001-LT01-CG04-HA01	261	50537	Yes	Yes	Yes
51	MLT-2022-054-XXX	LY22900002-LT01-CG04-HA012	78	14259	Yes	Yes	Yes
52	MLT-2022-055-XXX	LY22900002-LT01-CG01-HA010	65	12730	Yes	Yes	Yes
53	MLT-2022-056-XXX	LY22900001-LT01-CG04-HA02	83	17821	Yes	Yes	Yes
54	MLT-2022-057-XXX	LY22900010-LT01-HA01	142	29781	Yes	Yes	Yes
55	MLT-2022-058-XXX	LY22900002-LT01-CG01-HA011	66	15380	Yes	Yes	Yes
56	MLT-2022-059-XXX	LY22900001-LT01-CG04-HA03	47	11504	Yes	Yes	Yes
56	MLT-2022-059-XXX	LY22900002-LT01-CG01-HA012	18	4406	Yes	Yes	Yes
57	MLT-2022-060-XXX	LY22900001-LT01-CG04-HA04	67	13610	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
58	MLT-2022-061-XXX	LY22900008-MC01-HA01	104	10520	Yes	Yes	Yes
59	MLT-2022-062-XXX	LY22900008-MC01-HA02	105	13770	Yes	Yes	Yes
60	MLT-2022-063-XXX	LY22900008-MC01-HA03	104	12280	Yes	Yes	Yes
61	MLT-2022-064-XXX	LY22900008-MC01-HA04	117	12760	Yes	Yes	Yes
62	MLT-2022-065-XXX	LY22900003-LT01-CG03-MC01-HA05	36	6082	Yes	Yes	Yes
62	MLT-2022-065-XXX	LY22900008-MC01-HA05	30	5068	Yes	Yes	Yes
63	MLT-2022-066-XXX	LY22900003-LT01-CG03-MC01-HA06	59	11750	Yes	Yes	Yes
63	MLT-2022-066-XXX	LY22900003-LT01-CG03-MC01-HA07	5	1250	Yes	Yes	Yes
64	MLT-2022-067-XXX	LY22900003-LT01-CG03-MC01-HA08	56	13140	Yes	Yes	Yes
65	MLT-2022-068-XXX	LY22900010-LT01-HA02	108	16320	Yes	Yes	Yes
66	MLT-2022-069-XXX	LY22900010-LT01-HA03	144	17120	Yes	Yes	Yes
67	MLT-2022-070-XXX	LY22900010-LT01-HA04	66	13660	Yes	Yes	Yes
68	MLT-2022-071-XXX	LY22900010-LT01-HA05	69	19530	Yes	Yes	Yes
69	MLT-2022-072-XXX	LY22900010-LT01-HA06	103	14450	Yes	Yes	Yes
70	MLT-2022-073-XXX	LY22900002-LT01-CG03-MC01-HA03	106	14770	Yes	Yes	Yes
71	MLT-2022-074-XXX	LY22900002-LT01-CG03-MC01-HA04	91	17570	Yes	Yes	Yes
72	MLT-2022-075-XXX	LY22900002-LT01-CG03-MC01-HA05	66	16260	Yes	Yes	Yes
73	MLT-2022-076-XXX	LY22900002-LT01-CG03-MC01-HA06	24	1710	Yes	Yes	Yes
73	MLT-2022-076-XXX	LY22900002-LT01-CG03-MC01-HA07	17	6290	Yes	Yes	Yes
74	MLT-2022-077-XXX	MT21900446-C-CG01-MC01-MC01-HA02	69	11410	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
75	MLT-2022-078-XXX	MT21900446-C-CG01-MC01-MC01-HA03	68	14350	Yes	Yes	Yes
76	MLT-2022-079-XXX	MT21900446-C-CG01-MC01-MC01-HA04	77	13510	Yes	Yes	Yes
77	MLT-2022-080-XXX	MT21900446-C-CG01-MC01-MC01-HA05	69	12140	Yes	Yes	Yes
78	MLT-2022-081-XXX	MT21900446-C-CG01-MC01-MC01-HA06	64	12990	Yes	Yes	Yes
79	MLT-2022-082-XXX	MT21900446-G-CG01-MC01-MC01-HA07	67	15580	Yes	Yes	Yes
80	MLT-2022-083-XXX	MT21900446-G-CG01-MC01-MC01-HA11	46	11550	Yes	Yes	Yes
80	MLT-2022-083-XXX	MT21900446-G-CG01-MC01-MC01-HA12	18	1360	Yes	Yes	Yes
81	MLT-2022-084-XXX	MT21900446-G-CG01-MC01-MC01-HA09	67	15660	Yes	Yes	Yes
81	MLT-2022-085-XXX	MT21900446-G-CG01-MC01-MC01-HA09	3	460	Yes	Yes	Yes
82	MLT-2022-086-XXX	LY22900002-LT01-CG03-MC01-HA08	171	34209	Yes	Yes	Yes
83	MLT-2022-087-XXX	LY22900001-LT01-CG04-HA05	37	10602	Yes	Yes	Yes
84	MLT-2022-088-XXX	LY22900003-LT01-CG03-MC01-HA09	176	23712	Yes	Yes	Yes
85	MLT-2022-089-XXX	LY22900003-LT01-CG03-MC01-HA010	127	30904	Yes	Yes	Yes
86	MLT-2022-090-XXX	LY22900002-LT01-CG03-MC01-HA09	158	40068	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	18	18	0	0
2	0	0	0	0
3	33	33	0	0
4	0	0	0	0
5	45	45	0	0
6	7	7	0	0
7	56	56	0	0
8	7	7	0	0
9	56	56	0	0
10	7	7	0	0
11	52	52	0	0
12	55	55	0	0
13	7	7	0	0
14	60	60	0	0
15	7	7	0	0
16	56	56	0	1
17	7	7	0	0
18	72	72	0	0
19	7	7	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	63	63	0	0
21	7	7	0	0
22	64	64	0	0
23	7	7	0	0
24	36	36	0	0
25	44	44	0	0
26	22	22	0	0
27	8	8	0	0
28	65	65	0	1
29	10	10	0	0
30	29	29	0	0
31	36	36	0	0
32	8	8	0	0
33	28	28	0	0
34	46	46	0	0
35	7	7	0	0
36	59	59	0	0
37	8	8	0	0
38	49	49	0	0
39	43	43	0	0
40	7	7	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	8	8	0	0
42	9	9	0	0
43	55	55	0	0
44	11	11	0	0
45	55	55	0	0
46	73	73	0	0
47	8	8	0	0
48	8	8	0	0
49	64	64	0	1
50	51	51	0	0
51	27	27	0	1
52	8	8	0	0
53	67	67	0	0
54	29	29	0	0
55	10	10	0	0
56	12	12	0	0
57	15	15	0	0
58	15	15	0	0
59	13	13	0	0
60	16	16	0	0
61	16	16	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
62	16	16	0	0
63	18	18	0	0
64	8	8	0	0
65	14	14	0	0
66	20	20	0	0
67	12	12	0	0
68	11	11	0	0
69	11	11	0	0
70	15	15	0	0
71	19	19	0	0
72	10	10	0	0
73	0	0	0	0
74	12	12	0	0
75	10	10	0	0
76	10	10	0	0
77	11	11	0	0
78	11	11	0	0
79	10	10	0	0
80	11	11	0	0
81	15	15	0	0
82	44	44	1	1

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
83	10	10	0	0
84	27	27	0	0
85	30	30	0	0
86	22	22	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
16	Electronic PIT / Single spaghetti tag	PA755 / BYP080034	262	CFL	342	Whole	No	
28	Single spaghetti tag	BYP0018567	277	CFL	350	Whole	No	
49	Single spaghetti tag	HM091245	228	CFL	213	Whole	No	
51	Double spaghetti tag	BYP052963 / BYP007862	226	CFL	199	Whole	No	
82	Single spaghetti tag	BYP083591	189	CFL	124	Whole	Yes	Fin Clip & Muscle Tissue

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	
		Japan		Carrier	No	Processing Vessel
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	Another farm's processing vessel
		Japan		Carrier	No	
		Libya		Farm	No	
		EU.Malta		Farm	No	Role: soya sausage feeding tuna program
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0725</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Pedro FONSECA SOUSA DE JESUS
Observer ICCAT ID No	10
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	24/09/2022		Lisbon, Portugal
Date of mobilisation	23/09/2022		
Arrival to port / farm	25/09/2022		Marsaxlokk, Malta
Request dates	25/09/2022	23/12/2022	
Deployment period	25/09/2022	23/12/2022	
Departure from port / farm	24/12/2022		Marsaxlokk, Malta
Return home	24/12/2022		
Debriefing	30/12/2022		Valencia, Spain

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU-MLT-007XXX	643		MT22900386-G
EU-MLT-008XXX	494		MT22900379-G
EU-MLT-009XXX	636		MT22900396-G
EU-MLT-010XXX	1002		MT22900394-G
EU-MLT-011XXX	696		MT22900396-G
EU-MLT-017XXX	167		MT22900397-G-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	19/10/2022	Fresh Export	EU-MLT-017-XXX	Yes	Yes		
2	20/10/2022	Fresh Export	EU-MLT-017-XXX	Yes	Yes		
3	04/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
4	05/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
5	07/11/2022	Fresh Export	EU-MLT-008-XXX	Yes	Yes		
6	08/11/2022	Fresh Export	EU-MLT-008-XXX	Yes	Yes		
7	09/11/2022	Fresh Export	EU-MLT-008-XXX	Yes	Yes		
8	10/11/2022	Fresh Export	EU-MLT-008-XXX	Yes	Yes		
9	11/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
10	12/11/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
11	13/11/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
12	14/11/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
13	15/11/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
14	16/11/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
15	17/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
16	18/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
17	19/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
18	21/11/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	10/12/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
20	14/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
21	14/12/2022	Bulk Harvest	EU-MLT-007-XXX	Yes	Yes		
22	15/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
23	15/12/2022	Bulk Harvest	EU-MLT-007-XXX	Yes	Yes		
24	15/12/2022	Bulk Harvest	EU-MLT-011-XXX	Yes	Yes		
25	16/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
26	17/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
27	17/12/2022	Bulk Harvest	EU-MLT-010-XXX	Yes	Yes		
28	19/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
29	19/12/2022	Fresh Export	EU-MLT-010-XXX	Yes	Yes		
30	20/12/2022	Fresh Export	EU-MLT-011-XXX	Yes	Yes		
31	20/12/2022	Fresh Export	EU-MLT-009-XXX	Yes	Yes		
32	20/12/2022	Fresh Export	EU-MLT-010-XXX	Yes	Yes		
33	22/12/2022	Fresh Export	EU-MLT-008-XXX	Yes	Yes		
34	23/12/2022	Fresh Export	EU-MLT-007-XXX	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	1	100	1	100
2	23	1880	23	1880
3	66	14870	66	14870
4	66	13720	66	13720
5	67	9190	67	9190
6	67	13990	67	13990
7	69	13270	69	13270
8	70	13490	70	13490
9	66	16640	66	16640
10	68	13980	68	13980
11	68	16180	68	16203
12	68	15480	68	15480
13	69	18670	69	18670
14	71	19620	71	19620
15	44	11370	44	11370
16	66	17120	66	17120
17	67	22020	67	22020
18	10	3840	10	3840

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	68	18340	68	18340
20	27	8820	27	8820
21	86	29195	86	29195
22	30	8960	30	8960
23	27	9083	27	9083
24	101	4703	101	4703
25	29	10510	29	10510
26	39	12210	39	12210
27	69	17320	69	17055
28	29	11560	29	11560
29	74	6140	74	6140
30	10	3760	10	3760
31	19	6650	19	6650
32	37	10990	37	10990
33	69	20470	69	20470
34	66	18490	66	18490

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-001-XXX	MT22900397-G-MC01-HA02	1	100	Yes	Yes	Yes
2	MLT-2022-002-XXX	MT22900397-G-MC01-HA03	5	390	Yes	Yes	Yes
2	MLT-2022-002-XXX	MT22900397-G-MC01-HA04	18	1490	Yes	Yes	Yes
3	MLT-2022-003-XXX	MT22900396-G-MC01-HA04	66	14870	Yes	Yes	Yes
4	MLT-2022-004-XXX	MT22900396-G-MC01-HA05	66	13720	Yes	Yes	Yes
5	MLT-2022-005-XXX	MT22900379-G-HA07	67	9190	Yes	Yes	Yes
6	MLT-2022-006-XXX	MT22900379-G-HA08	67	13990	Yes	Yes	Yes
7	MLT-2022-007-XXX	MT22900379-G-HA09	69	13270	Yes	Yes	Yes
8	MLT-2022-008-XXX	MT22900379-G-HA010	70	13490	Yes	Yes	Yes
9	MLT-2022-009-XXX	MT22900396-G-MC01-HA06	66	16640	Yes	Yes	Yes
10	MLT-2022-010-XXX	MT22900396-G-MC02-HA010	68	13980	Yes	Yes	Yes
11	MLT-2022-011-XXX	MT22900396-G-MC02-HA011	66	15740	Yes	Yes	Yes
11	MLT-2022-012-XXX	MT22900396-G-MC02-HA012	2	463	Yes	Yes	Yes
12	MLT-2022-013-XXX	MT22900396-G-MC02-HA013	68	15480	Yes	Yes	Yes
13	MLT-2022-014-XXX	MT22900396-G-MC02-HA014	69	18670	Yes	Yes	Yes
14	MLT-2022-015-XXX	MT22900396-G-MC02-HA015	71	19620	Yes	Yes	Yes
15	MLT-2022-016-XXX	MT22900396-G-MC01-HA07	44	11370	Yes	Yes	Yes
16	MLT-2022-017-XXX	MT22900396-G-MC01-HA08	66	17120	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
17	MLT-2022-018-XXX	MT22900396-G-MC01-HA010	11	3510	Yes	Yes	Yes
17	MLT-2022-018-XXX	MT22900396-G-MC01-HA09	56	18510	Yes	Yes	Yes
18	MLT-2022-019-XXX	MT22900396-G-MC01-HA011	10	3840	Yes	Yes	Yes
19	MLT-2022-020-XXX	MT22900396-G-MC02-HA017	68	18340	Yes	Yes	Yes
20	MLT-2022-021-XXX	MT22900396-G-MC01-HA013	27	8820	Yes	Yes	Yes
21	MLT-2022-022-XXX	MT22900386-G-HA06	86	29195	Yes	Yes	Yes
22	MLT-2022-023-XXX	MT22900396-G-MC01-HA014	30	8960	Yes	Yes	Yes
23	MLT-2022-026-XXX	MT22900386-G-HA07	27	9083	Yes	Yes	Yes
24	MLT-2022-025-XXX	MT22900396-G-MC02-HA018	101	4703	Yes	Yes	Yes
25	MLT-2022-027-XXX	MT22900396-G-MC01-HA015	29	10510	Yes	Yes	Yes
26	MLT-2022-028-XXX	MT22900396-G-MC01-HA016	39	12210	Yes	Yes	Yes
27	MLT-2022-029-XXX	MT22900394-G-MC02-HA05	69	17055	Yes	Yes	Yes
28	MLT-2022-030-XXX	MT22900396-G-MC01-HA017	10	5300	Yes	Yes	Yes
28	MLT-2022-030-XXX	MT22900396-G-MC01-HA018	19	6260	Yes	Yes	Yes
29	MLT-2022-031-XXX	MT22900394-G-MC02-HA06	74	6140	Yes	Yes	Yes
30	MLT-2022-034-XXX	MT22900396-G-MC02-HA019	10	3760	Yes	Yes	Yes
31	MLT-2022-033-XXX	MT22900396-G-MC01-HA019	19	6650	Yes	Yes	Yes
32	MLT-2022-032-XXX	MT22900394-G-MC02-HA07	37	10990	Yes	Yes	Yes
33	MLT-2022-035-XXX	MT22900379-G-HA011	69	20470	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
34	MLT-2022-036-XXX	MT22900386-G-HA08	66	18490	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	1	1	0	0
2	7	7	0	0
3	9	9	0	0
4	0	0	0	0
5	16	16	0	0
6	14	14	0	0
7	12	12	0	0
8	11	11	0	0
9	14	14	0	0
10	10	10	0	0
11	16	16	0	0
12	15	15	0	0
13	11	11	0	0
14	15	15	0	0
15	12	12	0	0
16	12	12	0	0
17	10	10	0	0
18	2	2	0	0
19	11	11	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	7	7	0	0
21	27	27	0	0
22	10	10	0	0
23	17	17	0	0
24	27	27	0	0
25	15	15	0	0
26	13	13	0	0
27	47	47	0	0
28	12	12	0	0
29	17	17	0	0
30	10	10	0	0
31	14	14	0	0
32	13	13	0	0
33	16	16	0	0
34	14	14	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

No tags were recovered from the farm during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	
		Japan		Carrier	No	Processing Vessel
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	Another farm's processing vessel
		Japan		Carrier	No	
		Libya		Farm	No	
		EU.Malta		Farm	No	Role: soya sausage feeding tuna program
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0727</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Croatia
Farm Operating Company	
Observer Name	Enrique Sanchez-Fabres
Observer ICCAT ID No	878
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	27/09/2022		Split, Croatia
Date of mobilisation	27/09/2022		
Arrival to port / farm	28/09/2022		Sukosan, Croatia
Request dates	29/09/2022	13/10/2022	
Deployment period	08/10/2022	10/10/2022	
Departure from port / farm	13/10/2022		Sukosan, Croatia
Return home	15/10/2022		
Debriefing	14/10/2022		Split, Croatia

The observer was jointly deployed at the farms xxx xxx and xxx. The observer monitored operations on xxx from 08 to 10/10.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV008001	2386		HR22900311-G
HRV008002	2409		HR21900241-G-MC02
HRV008003	2559		HR21900289- G-MC01
HRV008004	2411		HR21900241-G
HRV008005	2560		HR21900289-G
HRV008006	2584		HR21900241-G-MC01
HRV008007	1925		HR21900299-G
HRV008008	2390		HR22900286-G-MC02
HRV008009	2026		HR22900306-G
HRV008010	1988		HR22900306-G-MC01
HRV008011	304		HR21900290-G -LT03-MC01
HRV008011	1539		HR21900298-G-MC01
HRV008012	600		HR21900290-G-LT03- MC02
HRV008012	1400		HR21900298-G-MC02
HRV008013	4798		HR22900286-G
HRV008014	4348		HR22900286-G-MC01
HRV008015	1929		HR21900299-G-MC01
HRV008016	604		HR22900308
HRV008018	2000		HR22900306-G-MC02

Information on the farm contents was provided by the farm manager. No information on eBCD numbers provided.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2022AUT2019	725	7010

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	09/10/2022	11:27	ARBUN II	ATEU0HRV00136	EUHRV009	HRV008016	Inter-farm Transfer	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control operations performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	725	7009.669	735	
1		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR22900294-G-LT02	HRV-2022/666/ITD	725	7009.669

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

No eBCDs were grouped following the caging.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	368	3669	e-copy Control Documents	HRV2022AUT5003	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
1	10/10/2022	10:05	HRV006003						Yes

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.
No control operations performed.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
1		Alive	373	3718.81	373	
1		Dead	0	0	0	0

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
1		Alive	HRV-2022/667/ITD	HR22900286-G-LT01	373	3718.81
1		Dead	HRV-2022/667/ITD	HR22900286-G-LT01	0	0

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	5	Yes	No	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations performed.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No transfers within the farm were performed.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

No harvest operations performed.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.
 No potential non-compliances observed.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
No sampling performed.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags recovered.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Towing	No	
		EU.Croatia		Support	No	
		EU.Croatia		Towing	No	
		EU.Croatia		Support	No	
		EU.Croatia		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0727</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Croatia
Farm Operating Company	
Observer Name	Enrique Sanchez-Fabres
Observer ICCAT ID No	878
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	27/09/2022		Split, Croatia
Date of mobilisation	27/09/2022		
Arrival to port / farm	28/09/2022		Sukosan, Croatia
Request dates	29/09/2022	13/10/2022	
Deployment period	29/09/2022	13/10/2022	
Departure from port / farm	13/10/2022		Sukosan, Croatia
Return home	15/10/2022		
Debriefing	14/10/2022		Split, Croatia

The observer was jointly deployed at the farms xxx, xxx and xxx. The observer monitored operations on xxx from 29/09 to 05/10 and 08 to 13/10.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUHRV009	0		Null
EUHRV012	0		Null
HRV011001	2124		Null
HRV011002	2064		Null
HRV011003	2100		Null
HRV011004	2067		Null
HRV011005	4164		Null
HRV011006	4647		Null
HRV011007	9803		Null
HRV011008	2300		Null
HRV011009	3493		Null
HRV011010	1987		Null
HRV011011	2251		Null
HRV011012	2193		Null
HRV011013	2600		Null
HRV011014	2482		Null
HRV011015	0		Null
HRV011016	0		Null

Information on the farm contents was provided by the farm manager. No information on eBCD numbers provided.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2022AUT2020	519	4990
2	HRV2022AUT2021	373	3720

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	07/10/2022	11:40			EUHRV009	HRV0011009	Inter-farm Transfer	Caging	Yes	Yes
2	11/10/2022	11:35			EUHRV009	HRV0011009	Inter-farm Transfer	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control operations performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	519	4987.81	518	
1		Dead	0	0	0	0
2		Alive	373	3718.81	352	
2		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR22900276-G-LT01	HRV-2022/665/ITD	364	3438.854
1	HR22900304-G-LT01	HRV-2022/665/ITD	155	1548.956
2	HR22900286-G-LT01	HRV-2022/667/ITD	373	3718.81

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

No eBCDs were grouped following the caging.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A
2		Yes	3	Yes	No	N/A

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	724	7000	e-copy Control Documents	HRV2022AUT5001	e-copy Control Documents
2	724	7000	e-copy Control Documents	HRV2022AUT5004	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
1	29/09/2022	11:50	HRV0011007					EUHRV009	Yes
2	08/10/2022	10:44	HRV011007					EUHRV009	Yes

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

No control operations performed.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
1		Alive	734	70097.046	712	
1		Dead	0	0	0	0
2		Alive	725	7009.664	717	
2		Dead	0	0	0	0

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
1		Alive	HRV-2022/664/ITD	HR22900294-G-LT01	734	7097.046
1		Dead	HRV-2022/664/ITD	HR22900294-G-LT01	0	0
2		Alive	HRV-2022/666/ITD	HR22900294-G-LT02	725	7009.664
2		Dead	HRV-2022/666/ITD	HR22900294-G-LT02	0	0

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A
2		Yes	3	Yes	No	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations performed.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No transfers within the farm were performed.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

No harvest operations performed.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No potential non-compliances observed.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
No sampling performed.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags recovered.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Towing	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0727</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Croatia
Farm Operating Company	
Observer Name	Enrique Sanchez-Fabres
Observer ICCAT ID No	878
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	27/09/2022		Split, Croatia
Date of mobilisation	27/09/2022		
Arrival to port / farm	02/10/2022		Supetar, Croatia
Request dates	29/09/2022	13/10/2022	
Deployment period	02/10/2022	06/10/2022	
Departure from port / farm	06/10/2022		Supetar, Croatia
Return home	15/10/2022		
Debriefing	14/10/2022		Split, Croatia

The observer was jointly deployed at the farms xxx, xxx The observer monitored operations on xxx from 02 to 06/10.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV006001	5246		HR22900203-G, HR22900246-G
HRV006002	7098		HR22900235-G, HR22900288-G, HR22900290-GLT01
HRV006003	5764		HR22900276-G, HR22900304-G
HRV006004	6773		HR22900126-G, HR22900225, HR22900291
HRV006005	6404		HR22900257-G, HR22900281-G
HRV006006	10006		HR22900296-G, HR22900302-G, HR22900322-G, HR22900330-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2022AUT2018	734	7100

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	03/10/2022	12:35			HRV0011007	HRV006006	Inter-farm Transfer	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control operations performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	734	7097.046	761	
1		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR22900294-G-LT01	HRV2022ICD2018-1	734	7097.046

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

No eBCDs were grouped following the caging.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	520	5000	Hardcopy	HRV2022AUT5002	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
1	04/10/2022	11:49	HRV006003					EUHRV-009	Yes

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.
No control operations performed.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
1		Alive	519	4897.81	518	
1		Dead	0	0	0	0

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
1		Alive	HRV-2022/665/ITD	HR220900304-G-LT01	155	1548.956
				HR220900276-G-LT01	364	3438.854

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	5	Yes	No	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations performed.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No transfers within the farm were performed.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

No harvest operations performed.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No potential non-compliances observed.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
No sampling performed.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags recovered.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Towing	No	
		EU.Croatia		Support	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Towing	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Farm	No	
		EU.Croatia		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0728</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Daniel Teixeira
Observer ICCAT ID No	796
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	30/09/2022		Lisbon, Portugal
Date of mobilisation	07/10/2022		
Arrival to port / farm	07/10/2022		Marsaxlokk, Malta
Request dates	08/10/2022	17/10/2022	
Deployment period	08/10/2022	17/10/2022	
Departure from port / farm	18/10/2022		Marsaxlokk, Malta
Return home	19/10/2022		
Debriefing	19/10/2022		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT001XXX	1267	86155	MT21900446-G-CG01-MC01-MC01
EUMLT001XXX	967	73691	MT21900446-G-CG01-MC02-MC01
EUMLT002XXX	864	117710.738	LY22900001-LT01-CG04
EUMLT002XXX	495	47563.078	LY22900002-LT01-CG01
EUMLT002XXX	765	140620.641	LY22900002-LT01-CG02
EUMLT003XXX	786	130288.387	LY22900001-LT01-CG01
EUMLT003XXX	783	124386.559	LY22900001-LT01-CG02
EUMLT003XXX	451	50991.84	LY22900001-LT01-CG03
EUMLT004XXX	673	80624.073	LY22900002-LT01-CG03
EUMLT004XXX	1131	172896.366	LY22900010-LT01
EUMLT005XXX	1097	167798.988	LY22900003-LT01-CG01
EUMLT005XXX	853	132960.107	LY22900009-LT01
EUMLT006XXX	1010	173852.843	LY22900001-LT01-CG05
EUMLT006XXX	1143	210890.711	LY22900002-LT01-CG04
EUMLT006XXX	1061	142360.41	LY22900003-LT01-CG02
EUMLT012XXX	491	60053.535	LY22900003-LT01-CG03
EUMLT012XXX	477	30563.208	LY22900008
EUMLT013XXX	502	26545.277	MT22900399-G-CG01
EUMLT014XXX	81	5143.94	MT22900399-G-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT015XXX	1459	100850.341	MT22900398-G-CG01
EUMLT016XXX	819	58250.34	MT22900398-G-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 No inter-farm transfers were performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations were performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No intra-farm transfers were performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	10/10/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
2	12/10/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
3	15/10/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	228	71152	228	71152
2	284	77110	284	77110
3	230	63749	230	63749

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-022-XXX	LY22900003-LT01-CG02-HA01	228	71152	Yes	Yes	Yes
2	MLT-2022-029-XXX	LY22900003-LT01-CG02-HA04	284	77110	Yes	Yes	Yes
3	MLT-2022-035-XXX	LY22900002-LT01-CG04-HA02	230	63749	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No PNCs occurred during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	59	228	0	0
2	85	284	0	0
3	68	230	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags were recovered.

Appendix 1: Farm Cage Plan

Farm plan was not provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0729	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Luigi PIZZO
Observer ICCAT ID No	282
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	13/10/2022		On Line Microsoft Teams
Date of mobilisation	14/10/2022		
Arrival to port / farm	14/10/2022		Marsaxlokk - Malta/XXX
Request dates	15/10/2022	04/01/2022	
Deployment period	15/10/2022	04/01/2023	
Departure from port / farm	06/01/2023		*Stand-by day due to unavailability of travel tickets for January 5 th
Return home	06/01/2023		
Debriefing	11/01/2023		NAPLES

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT001XXX	913	190800	TN22900007-LT01-TR01-CG01-MC01
EUMLT002XXX	311	65000	TN22900007-LT01-TR01-CG01-MC02
EUMLT002XXX	782	148900	TN22900015-LT01
EUMLT003XXX	717	77200	IT22901054-LT01-MC01
EUMLT003XXX	473	50900	IT22901054-LT01-MC03
EUMLT004XXX	764	141400	DZ22900010-LT01-TR01
EUMLT004XXX	360	66800	DZ22900011-TR01-CG01-MC02
EUMLT005XXX	1251	230700	DZ22900014-TR01-MC02
EUMLT006XXX	391	71500	IT22901048-LT01-TR01-CG01-MC01
EUMLT006XXX	422	61200	IT22901049-LT01-CG02-MC01
EUMLT007XXX	898	192500	DZ22900015-TR01-MC02
EUMLT008XXX	557	103100	DZ22900011-TR01-CG01-MC01
EUMLT008XXX	197	14500	DZ22900011-TR01-CG02
EUMLT009XXX	408	69600	DZ22900012-TR01-MC05
EUMLT009XXX	599	101000	DZ22900013-TR01
EUMLT010XXX	800	131000	IT22901049-LT01-CG01
EUMLT010XXX	778	127300	IT22901050-LT01-CG01
EUMLT011XXX	1049	191900	IT22901048-LT01-TR01-CG01-MC02
EUMLT012XXX	1204	174500	IT22901049-LT01-CG02-MC02
EUMLT013XXX	750	127900	DZ22900012-TR01-MC03

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT013XXX	236	43500	DZ22900014-TR01-MC01
EUMLT014XXX	1243	235100	IT22901048-LT01-TR01-CG02
EUMLT015XXX	388	83200	DZ22900015-TR01-MC01
EUMLT016XXX	1317	181000	IT22901048-LT01-TR01-CG03
EUMLT017XXX	766	117300	TN22900007-LT01-TR01-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
 There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	16/10/2022	Bulk Harvest	EUMLT002XXX	Yes	Yes		
2	17/10/2022	Bulk Harvest	EUMLT002XXX	Yes	Yes		
3	18/10/2022	Bulk Harvest	EUMLT002XXX	Yes	Yes		
4	19/10/2022	Bulk Harvest	EUMLT002XXX	Yes	Yes		
5	20/10/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
6	21/10/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
7	22/10/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
8	23/10/2022	Bulk Harvest	EUMLT008XXX	Yes	Yes		
9	24/10/2022	Bulk Harvest	EUMLT008XXX	Yes	Yes		
10	24/10/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
11	25/10/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
12	28/10/2022	Bulk Harvest	EUMLT013XXX	Yes	Yes		
13	29/10/2022	Bulk Harvest	EUMLT013XXX	Yes	Yes		
14	31/10/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
15	01/11/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
16	02/11/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
17	03/11/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
18	04/11/2022	Bulk Harvest	EUMLT007XXX	Yes	Yes		
19	04/11/2022	Bulk Harvest	EUMLT011XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
20	07/11/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
21	08/11/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
22	09/11/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
23	10/11/2022	Bulk Harvest	EUMLT006XXX	Yes	Yes		
24	10/11/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
25	11/11/2022	Bulk Harvest	EUMLT008XXX	Yes	Yes		
26	11/11/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
27	11/11/2022	Bulk Harvest	EUMLT004XXX	Yes	Yes		
28	12/11/2022	Bulk Harvest	EUMLT004XXX	Yes	Yes		
29	12/11/2022	Bulk Harvest	EUMLT008XXX	Yes	Yes		
30	14/11/2022	Bulk Harvest	EUMLT005XXX	Yes	Yes		
31	15/11/2022	Bulk Harvest	EUMLT007XXX	Yes	Yes		
32	16/11/2022	Bulk Harvest	EUMLT009XXX	Yes	Yes		
33	17/11/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
34	18/11/2022	Bulk Harvest	EUMLT007XXX	Yes	Yes		
35	19/11/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
36	19/11/2022	Bulk Harvest	EUMLT009XXX	Yes	Yes		
37	25/11/2022	Bulk Harvest	EUMLT007XXX	Yes	Yes		
38	26/11/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
39	29/11/2022	Bulk Harvest	EUMLT005XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
40	29/11/2022	Bulk Harvest	EUMLT005XXX	Yes	Yes		
41	29/11/2022	Bulk Harvest	EUMLT015XXX	Yes	Yes		
42	30/11/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
43	01/12/2022	Bulk Harvest	EUMLT015XXX	Yes	Yes		
44	02/12/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
45	05/12/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
46	05/12/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
47	06/12/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
48	06/12/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
49	06/12/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
50	06/12/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
51	07/12/2022	Bulk Harvest	EUMLT004XXX	Yes	Yes		
52	07/12/2022	Bulk Harvest	EUMLT007XXX	Yes	Yes		
53	08/12/2022	Bulk Harvest	EUMLT014XXX	Yes	Yes		
54	08/12/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
55	09/12/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
56	09/12/2022	Bulk Harvest	EUMLT017XXX	Yes	Yes		
57	12/12/2022	Bulk Harvest	EUMLT017XXX	Yes	Yes		
58	13/12/2022	Bulk Harvest	EUMLT004XXX	Yes	Yes		
59	14/12/2022	Bulk Harvest	EUMLT017XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
60	14/12/2022	Bulk Harvest	EUMLT001XXX	Yes	Yes		
61	14/12/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
62	15/12/2022	Bulk Harvest	EUMLT009XXX	Yes	Yes		
63	20/12/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
64	20/12/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
65	21/12/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
66	21/12/2022	Bulk Harvest	EUMLT011XXX	Yes	Yes		
67	21/12/2022	Bulk Harvest	EUMLT017XXX	Yes	Yes		
68	22/12/2022	Bulk Harvest	EUMLT004XXX	Yes	Yes		
69	22/12/2022	Bulk Harvest	EUMLT013XXX	Yes	Yes		
70	23/12/2022	Bulk Harvest	EUMLT003XXX	Yes	Yes		
71	27/12/2022	Bulk Harvest	EUMLT013XXX	Yes	Yes		
72	27/12/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
73	28/12/2022	Bulk Harvest	EUMLT016XXX	Yes	Yes		
74	28/12/2022	Bulk Harvest	EUMLT012XXX	Yes	Yes		
75	28/12/2022	Bulk Harvest	EUMLT010XXX	Yes	Yes		
76	28/12/2022	Bulk Harvest	EUMLT003XXX	Yes	Yes		
77	29/12/2022	Bulk Harvest	EUMLT009XXX	Yes	Yes		
78	29/12/2022	Bulk Harvest	EUMLT011XXX	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	193	58592	193	58592
2	230	61649	230	61649
3	244	59774	244	59774
4	311	47488	311	47488
5	195	61383	195	61383
6	231	63269	231	63269
7	347	63259	347	63259
8	227	68744	227	68744
9	270	61236	270	61236
10	83	6287	83	6287
11	253	66423	253	66423
12	221	65985	221	65985
13	249	65290	249	65290
14	195	62826	195	62826
15	260	65235	260	65235
16	222	59293	222	59293
17	315	66395	315	66395
18	109	31038	109	31038
19	179	50183	179	50183

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
20	217	60029	217	60029
21	243	59923	243	59923
22	298	60641	298	60641
23	31	4798	31	4798
24	127	26957	127	26957
25	177	31340	177	31340
26	49	13392	49	13392
27	60	15240	60	15240
28	269	54384	269	54384
29	62	4983	62	4983
30	326	61271	326	61271
31	140	45847	140	45847
32	202	47644	202	47644
33	154	44245	154	44245
34	193	46353	193	46353
35	93	25317	93	25317
36	135	34081	135	34081
37	265	56803	265	56803
38	291	73069	291	73069
39	216	42982	216	42982

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
40	97	17291	97	17291
41	67	23229	67	23229
42	256	57432	256	57432
43	305	76892	305	76892
44	277	57101	277	57101
45	133	27600	133	27600
46	129	21522	129	21522
47	163	29194	163	29194
48	95	17286	95	17286
49	36	3762	36	3762
50	89	8203	89	8203
51	100	25859	100	25859
52	151	19091	151	9091
53	112	10316	112	10316
54	316	33106	316	33106
55	51	16224	51	16224
56	178	47362	178	47362
57	219	46253	219	46253
58	225	44730	225	44730
59	244	29184	244	29184

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
60	39	5305	39	5305
61	63	13456	63	13456
62	292	57355	292	57355
63	240	22145	240	22145
64	68	13043	68	13043
65	109	23051	109	23051
66	65	17433	65	17433
67	67	5756	67	5756
68	194	34570	194	34570
69	48	13780	48	13780
70	247	58279	247	58279
71	158	37583	158	37583
72	30	8579	30	8579
73	116	27391	116	27391
74	59	5130	59	5130
75	22	6808	22	6808
76	25	2567	25	2567
77	57	11369	57	11369
78	47	11570	47	11570

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MT-2022-001-XXX	TN22900007-LT01-TR01-CG01-MC02-HA01, TN22900015-LT01-HA06	193	58592	Yes	Yes	Yes
2	MT-2022-002-XXX	TN22900015-LT01-HA06, TN22900007-LT01-TR01-CG01-MC02-HA01	230	61649	Yes	Yes	Yes
3	MT-2022-003-XXX	TN22900015-LT01-HA06, TN22900007-LT01-TR01-CG01-MC02-HA01	244	59774	Yes	Yes	Yes
4	MT-2022-004-XXX	TN22900015-LT01-HA06, TN22900007-LT01-TR01-CG01-MC02-HA01	311	47488	Yes	Yes	Yes
5	MT-2022-005-XXX	IT22901050-LT01-CG01-HA06, IT22901049-LT01-CG01-HA01	195	61383	Yes	Yes	Yes
6	MT-2022-006-XXX	IT22901050-LT01-CG01-HA06, IT22901049-LT01-CG01-HA01	231	63269	Yes	Yes	Yes
7	MT-2022-007-XXX	IT22901049-LT01-CG01-HA02	84	5345	Yes	Yes	Yes
7	MT-2022-008-XXX	IT22901050-LT01-CG01-HA06, IT22901049-LT01-CG01-HA01	263	57914	Yes	Yes	Yes
8	MT-2022-009-XXX	DZ22900011-TR01-CG01-MC01-HA01	227	68744	Yes	Yes	Yes
9	MT-2022-010-XXX	DZ22900011-TR01-CG01-MC01-HA01	270	61236	Yes	Yes	Yes
10	MT-2022-011-XXX	IT22901048-LT01-TR01-CG03-MC01-HA01	16	1878	Yes	Yes	Yes
10	MT-2022-012-XXX	IT22901048-LT01-TR01-CG03-MC01-HA02	67	4409	Yes	Yes	Yes
11	MT-2022-013-XXX	TN22900007-LT01-TR01-CG01-MC01-HA03	253	66423	Yes	Yes	Yes
12	MT-2022-014-XXX	DZ22900012-TR01-MC03-HA07, DZ22900014-TR01-MC01-HA01	221	65985	Yes	Yes	Yes
13	MT-2022-015-XXX	DZ22900012-TR01-MC03-HA07, DZ22900014-TR01-MC01-HA01	249	65290	Yes	Yes	Yes
14	MT-2022-016-XXX	IT22901048-LT01-TR01-CG02-HA03	195	62826	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
15	MT-2022-017-XXX	IT22901048-LT01-TR01-CG02-HA03	260	65235	Yes	Yes	Yes
16	MT-2022-018-XXX	DZ22900014-TR01-MC02-HA04	222	59293	Yes	Yes	Yes
17	MT-2022-019-XXX	DZ22900014-TR01-MC02-HA04	315	66395	Yes	Yes	Yes
18	MT-2022-020-XXX	DZ22900015-TR01-MC02-HA03	109	31038	Yes	Yes	Yes
19	MT-2022-021-XXX	IT22901048-LT01-TR01-CG01-MC02-HA04	179	50183	Yes	Yes	Yes
20	MT-2022-022-XXX	IT22901048-LT01-TR01-CG01-MC01-HA02, IT22901049-LT01-CG02-MC01-HA01	217	60029	Yes	Yes	Yes
21	MT-2022-023-XXX	IT22901048-LT01-TR01-CG01-MC01-HA02, IT22901049-LT01-CG02-MC01-HA01	243	59923	Yes	Yes	Yes
22	MT-2022-024-XXX	IT22901048-LT01-TR01-CG01-MC01-HA02, IT22901049-LT01-CG02-MC01-HA01	297	60546	Yes	Yes	Yes
22	MT-2022-025-XXX	IT22901048-LT01-TR01-CG01-MC01-HA03	1	95	Yes	Yes	Yes
23	MT-2022-026-XXX	IT22901048-LT01-TR01-CG01-MC01-HA02, IT22901049-LT01-CG02-MC01-HA01	31	4798	Yes	Yes	Yes
24	MT-2022-027-XXX	IT22901048-LT01-TR01-CG02-HA04	127	26957	Yes	Yes	Yes
25	MT-2022-028-XXX	DZ22900011-TR01-CG01-MC01-HA02, DZ22900011-TR01-CG02-HA01	177	31340	No	No	No
26	MT-2022-029-XXX	TN22900007-LT01-TR01-CG01-MC01-HA04	49	13392	Yes	Yes	Yes
27	MT-2022-030-XXX	DZ22900010-LT01-TR01-HA01	35	9197	Yes	Yes	Yes
27	MT-2022-030-XXX	DZ22900010-LT01-TR01-HA02	5	1159	Yes	Yes	Yes
27	MT-2022-030-XXX	DZ22900011-TR01-CG01-MC02-HA03	17	4337	Yes	Yes	Yes
27	MT-2022-030-XXX	DZ22900011-TR01-CG01-MC02-HA04	3	547	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
28	MT-2022-032-XXX	DZ22900010-LT01-TR01-HA01	160	32820	Yes	Yes	Yes
28	MT-2022-032-XXX	DZ22900010-LT01-TR01-HA02	24	4137	Yes	Yes	Yes
28	MT-2022-032-XXX	DZ22900011-TR01-CG01-MC02-HA03	74	15476	Yes	Yes	Yes
28	MT-2022-032-XXX	DZ22900011-TR01-CG01-MC02-HA04	11	1951	Yes	Yes	Yes
29	MT-2022-031-XXX	DZ22900011-TR01-CG01-MC01-HA02, DZ22900011-TR01-CG02-HA01	62	4983	Yes	Yes	Yes
30	MT-2022-033-XXX	DZ22900014-TR01-MC02-HA05	215	39009	Yes	Yes	Yes
30	MT-2022-033-XXX	DZ22900014-TR01-MC02-HA06	111	22262	Yes	Yes	Yes
31	MT-2022-034-XXX	DZ22900015-TR01-MC02-HA04	140	45847	Yes	Yes	Yes
32	MT-2022-035-XXX	DZ22900012-TR01-MC05-HA01, DZ22900013-TR01-MC01-HA01	202	47644	Yes	Yes	Yes
33	MT-2022-036-XXX	IT22901049-LT01-CG02-MC02-HA01	154	44245	Yes	Yes	Yes
34	MT-2022-038-XXX	DZ22900015-TR01-MC02-HA04	193	46353	Yes	Yes	Yes
35	MT-2022-037-XXX	IT22901048-LT01-TR01-CG03-MC01-HA03	93	25317	Yes	Yes	Yes
36	MT-2022-039-XXX	DZ22900012-TR01-MC05-HA01, DZ22900013-TR01-MC01-HA01	135	34081	Yes	Yes	Yes
37	MT-2022-040-XXX	DZ22900015-TR01-MC02-HA04	265	56803	Yes	Yes	Yes
38	MT-2022-041-XXX	TN22900007-LT01-TR01-CG01-MC01-HA05	291	73069	Yes	Yes	Yes
39	MT-2022-042-XXX	DZ22900014-TR01-MC02-HA08	216	42982	Yes	Yes	Yes
40	MT-2022-043-XXX	DZ22900014-TR01-MC02-HA07	97	17291	Yes	Yes	Yes
41	MT-2022-044-XXX	DZ22900015-TR01-MC01-HA02	67	23229	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
42	MT-2022-045-XXX	IT22901048-LT01-TR01-CG03-MC01-HA04	256	57432	Yes	Yes	Yes
43	MT-2022-046-XXX	DZ22900015-TR01-MC01-HA02	305	76892	Yes	Yes	Yes
44	MT-2022-047-XXX	IT22901048-LT01-TR01-CG02-HA06	277	57101	Yes	Yes	Yes
45	MT-2022-048-XXX	IT22901048-LT01-TR01-CG03-MC01-HA04	133	27600	Yes	Yes	Yes
46	MT-2022-049-XXX	TN22900007-LT01-TR01-CG01-MC01-HA06	129	21522	Yes	Yes	Yes
47	MT-2022-050-XXX	IT22901048-LT01-TR01-CG02-HA06	163	29194	Yes	Yes	Yes
48	MT-2022-051-XXX	IT22901048-LT01-TR01-CG03-MC01-HA04	95	17286	Yes	Yes	Yes
49	MT-2022-053-XXX	IT22901048-LT01-TR01-CG02-HA05	36	3762	Yes	Yes	Yes
50	MT-2022-052-XXX	TN22900007-LT01-TR01-CG01-MC01-HA05	89	8203	Yes	Yes	Yes
51	MT-2022-055-XXX	DZ22900011-TR01-CG01-MC02-HA05	100	25859	Yes	Yes	Yes
52	MT-2022-054-XXX	DZ22900015-TR01-MC02-HA05	151	19091	Yes	Yes	Yes
53	MT-2022-056-XXX	IT22901048-LT01-TR01-CG02-HA06	112	10316	Yes	Yes	Yes
54	MT-2022-057-XXX	IT22901048-LT01-TR01-CG03-MC01-HA04	316	33106	Yes	Yes	Yes
55	MT-2022-058-XXX	IT22901048-LT01-TR01-CG03-MC01-HA04	51	16224	Yes	Yes	Yes
56	MT-2022-059-XXX	TN22900007-LT01-TR01-CG02-HA02	178	47362	Yes	Yes	Yes
57	MT-2022-060-XXX	TN22900007-LT01-TR01-CG02-HA02	219	46253	Yes	Yes	Yes
58	MT-2022-061-XXX	DZ22900011-TR01-CG01-MC02-HA05	225	44730	Yes	Yes	Yes
59	MT-2022-062-XXX	TN22900007-LT01-TR01-CG02-HA02	244	29184	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
60	MT-2022-063-XXX	TN22900007-LT01-TR01-CG01-MC01-HA06	39	5305	Yes	Yes	Yes
61	MT-2022-064-XXX	IT22901049-LT01-CG01-HA03, IT22901050-LT01-CG01-HA07	63	13456	Yes	Yes	Yes
62	MT-2022-065-XXX	DZ22900013-TR01-MC01-HA02	292	57355	Yes	Yes	Yes
63	MT-2022-066-XXX	IT22901049-LT01-CG02-MC02-HA03	240	22145	Yes	Yes	Yes
64	MT-2022-067-XXX	T22901048-LT01-TR01-CG03-MC01-HA06	68	13043	Yes	Yes	Yes
65	MT-2022-069-XXX	IT22901048-LT01-TR01-CG03-MC01-HA05	1	111	Yes	Yes	Yes
65	MT-2022-070-XXX	T22901048-LT01-TR01-CG03-MC01-HA06	108	22940	Yes	Yes	Yes
66	MT-2022-068-XXX	IT22901048-LT01-TR01-CG01-MC02-HA05	65	17433	Yes	Yes	Yes
67	MT-2022-071-XXX	TN22900007-LT01-TR01-CG02-HA03	67	5756	Yes	Yes	Yes
68	MT-2022-072-XXX	DZ22900010-LT01-TR01-HA04	194	34570	Yes	Yes	Yes
69	MT-2022-073-XXX	DZ22900012-TR01-MC03-HA08 + DZ22900014-TR01-MC01-HA02	48	13780	Yes	Yes	Yes
70	MT-2022-074-XXX	IT22901054-LT01-MC01-HA02 + IT22901054-LT01-MC03-HA01	247	58279	Yes	Yes	Yes
71	MT-2022-075-XXX	DZ22900012-TR01-MC03-HA08 + DZ22900014-TR01-MC01-HA02	158	37583	Yes	Yes	Yes
72	MT-2022-076-XXX	IT22901049-LT01-CG01-HA04 + IT22901050-LT01-CG01-HA08	30	8579	Yes	Yes	Yes
73	MT-2022-079-XXX	T22901048-LT01-TR01-CG03-MC01-HA06	116	27391	Yes	Yes	Yes
74	MT-2022-077-XXX	IT22901049-LT01-CG02-MC02-HA03	59	5130	Yes	Yes	Yes
75	MT-2022-078-XXX	IT22901049-LT01-CG01-HA04 + IT22901050-LT01-CG01-HA08	22	6808	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
76	MT-2022-080-XXX	IT22901054-LT01-MC01-HA02 + IT22901054-LT01-MC03-HA01	25	2567	Yes	Yes	Yes
77	MT-2022-081-XXX	DZ22900012-TR01-MC05-HA02	41	8705	Yes	Yes	Yes
77	MT-2022-081-XXX	DZ22900013-TR01-MC01-HA03	16	2664	Yes	Yes	Yes
78	MT-2022-082-XXX	IT22901048-LT01-TR01-CG01-MC02-HA05	47	11570	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	N/A
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	30	30	N/A	0
2	30	30	N/A	0
3	35	35	N/A	0
4	35	35	N/A	0
5	30	30	N/A	0
6	35	35	N/A	0
7	45	45	N/A	0
8	30	30	N/A	0
9	36	36	1	1
10	10	10	N/A	0
11	30	30	N/A	0
12	28	28	N/A	0
13	38	38	N/A	0
14	30	30	N/A	0
15	30	30	N/A	0
16	31	31	N/A	0
17	40	40	N/A	0
18	26	26	N/A	0
19	32	32	N/A	0
20	33	33	N/A	0

21	40	40	N/A	0
22	40	40	N/A	0
23	40	40	N/A	0
24	48	48	N/A	0
25	35	35	N/A	0
26	15	15	N/A	0
27	35	35	N/A	0
28	15	15	N/A	0
29	20	20	N/A	0
30	47	47	N/A	0
31	32	32	N/A	0
32	27	27	N/A	0
33	30	30	N/A	0
34	31	31	N/A	0
35	17	17	N/A	0
36	21	21	N/A	0
37	35	35	N/A	0
38	40	40	N/A	0
39	31	31	N/A	0
40	26	26	N/A	0
41	12	12	N/A	0
42	35	35	1	1
43	40	40	N/A	0

44	38	38	2	2
45	26	26	N/A	0
46	24	24	1	1
47	25	25	N/A	0
48	15	15	N/A	0
49	8	8	N/A	0
50	17	17	N/A	0
51	25	25	N/A	0
52	35	35	N/A	0
53	16	16	1	1
54	37	37	N/A	0
55	16	16	N/A	0
56	31	31	N/A	0
57	30	30	N/A	0
58	30	30	N/A	0
59	31	31	N/A	0
60	7	7	N/A	0
61	13	13	N/A	0
62	40	40	N/A	0
63	50	50	N/A	0
64	26	26	N/A	0
65	16	16	1	1
66	11	11	N/A	0

67	15	15	N/A	0
68	26	26	N/A	0
69	12	12	N/A	0
70	27	27	1	1
71	26	26	N/A	0
72	10	10	N/A	0
73	20	20	1	1
74	12	12	N/A	0
75	6	6	N/A	0
76	8	8	N/A	0
77	12	12	N/A	0
78	10	10	N/A	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
9	Single spaghetti tag	BYP 083405	242	CFL	257	Whole	Yes	Fin Clip & Muscle Tissue
42	Single spaghetti tag	BYP 083405	246-230	CFL-SFL	287	Whole	Yes	Fin Clip & Muscle Tissue
44	Double spaghetti tag	BYP 007371 + BYP 053071	231	CFL	244	Whole	Yes	Fin Clip & Muscle Tissue
44	Single spaghetti tag	BYP 083469	213	CFL	212	Whole	Yes	Fin Clip & Muscle Tissue
46	Single spaghetti tag	AAA006914	236	CFL	237	Whole	Yes	Fin Clip & Muscle Tissue
53	Double spaghetti tag	BYP 050833 + BYP 002833	201	CFL	187	Whole	Yes	Fin Clip & Muscle Tissue
65	Single spaghetti tag	BYP 080684	211	CFL	202	Whole	Yes	Fin Clip & Muscle Tissue
70	Single spaghetti tag	BYP 018594	246	CFL	281	Whole	Yes	Fin Clip & Muscle Tissue
73	Single spaghetti tag	BYP 007928	182	CFL	131	Whole	Yes	Fin Clip

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Farm	No	N/A
		Japan		Carrier	No	N/A
		EU.Malta		Farm	No	N/A
		Panama		Carrier	No	N/A
		Panama		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0730</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Portugal
Farm Operating Company	
Observer Name	Iñigo Exposito Ochoa
Observer ICCAT ID No	817
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	14/10/2022		Lisbon, Portugal
Date of mobilisation	12/10/2022		
Arrival to port / farm	14/10/2022		Olhão, Portugal
Request dates	15/10/2022	05/11/2022	
Deployment period	17/10/2022	28/10/2022	
Departure from port / farm	29/10/2022		Olhão, Portugal
Return home	29/10/2022		
Debriefing	04/11/2022		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
PRT903	451	62650.67	PT22900382
PRT903	785	117903.86	PT22900390
PRT903	22	4825.77	PT22900398

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 No inter-farm transfers were performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No release operations were performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
No intra-farm transfers were performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	17/10/2022	Bulk Harvest	PRT903	Yes	Yes		
2	18/10/2022	Bulk Harvest	PRT903	Yes	Yes		
3	19/10/2022	Bulk Harvest	PRT903	Yes	Yes		
4	21/10/2022	Bulk Harvest	PRT903	Yes	Yes		
5	22/10/2022	Bulk Harvest	PRT903	Yes	Yes		
6	23/10/2022	Bulk Harvest	PRT903	Yes	Yes		
7	24/10/2022	Bulk Harvest	PRT903	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	181	46399	181	46399
2	181	45546	181	45546
3	183	46200	183	46200
4	215	46702	215	46702
5	221	47975	221	47975

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
6	126	27645	126	27645
7	151	29319	151	29319

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EUR-2022-AUT/002/TRD/FAR.PRT.	PT22900382-HA01	181	46399	Yes	Yes	Yes
2	EUR-2022-AUT/002/TRD/FAR.PRT.	PT22900382-HA02	181	45546	Yes	Yes	Yes
3	EUR-2022-AUT/002/TRD/FAR.PRT.	PT22900382-HA03	89	22469	Yes	Yes	Yes
3	EUR-2022-AUT/002/TRD/FAR.PRT.	PT22900390-HA01	94	23731	Yes	Yes	Yes
4	EUR-2022-AUT/002/TRD/FAR.PRT.	PT22900390-HA02	215	46702	Yes	Yes	Yes
5	EUR-2022-AUT/002/TRD/FAR.PRT	PT22900390-HA03	221	47975	Yes	Yes	Yes
6	EUR-2022-AUT/002/TRD/FAR.PRT	PT22900390-HA04	126	27645	Yes	Yes	Yes
7	EUR-2022-AUT/002/TRD/FAR.PRT	PT22900390-HA05	129	25048	Yes	Yes	Yes
7	EUR-2022-AUT/002/TRD/FAR.PRT	PT22900398-HA01	22	4271	Yes	Yes	Yes

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No PNCs occurred during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	26	26	3	3
2	26	26	0	0
3	30	30	0	0
4	31	31	0	0
5	40	40	0	0
6	30	30	0	0
7	30	30	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
1	Double spaghetti tag	BYP057602 / BYP017602	203	SFL	195	Whole	Yes	Muscle Tissue
1	Single spaghetti tag	BYP005154	209	SFL	192	Whole	Yes	Muscle Tissue
1	Single spaghetti tag	BYP081077	213	SFL	202	Whole	Yes	Muscle Tissue

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		EU.Portugal		Farm	No	
		EU.Portugal		Farm	No	
		EU.Portugal		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0731	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	HACENE HAMDANI
Observer ICCAT ID No	396
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	08/10/2022		PARIS
Date of mobilisation	09/10/2022		
Arrival to port / farm	09/10/2022		MAHDIA/XXX
Request dates	10/10/2022	13/12/2022	
Deployment period	10/10/2022	13/12/2022	
Departure from port / farm	14/12/2002		XXX
Return home	14/12/2022		
Debriefing	15/12/2022		EN LIGNE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUN-201XXX	1570	150305	TN22900002-LT01-CG01
TUN-202XXX	55	6063	MA22900017
TUN-202XXX	754	80555	TN22900004-LT01-CG01
TUN-203XXX	150	14401	MA22900016
TUN-203XXX	1980	191683	TN22900003-LT01-CG01
TUN-204XXX	1383	124298	DZ22900005-CG01
TUN-205XXX	1472	143638	TN22900012-LT01-CG01
TUN-206XXX	1235	117096	TN22900002-LT01-CG02
TUN-207XXX	1101	92645	DZ22900009-CG01
TUN-208XXX	698	65218	DZ22900001
TUN-209XXX	738	52040	DZ22900003

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	15/10/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
2	16/10/2022	Bulk Harvest	TUN-202XXX	Yes	Yes		
3	17/10/2022	Bulk Harvest	TUN-201XXX	Yes	Yes		
4	18/10/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
5	19/10/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
6	21/10/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
7	22/10/2022	Bulk Harvest	TUN-208XXX	Yes	Yes		
8	22/10/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
9	23/10/2022	Bulk Harvest	TUN-208XXX	Yes	Yes		
10	23/10/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
11	24/10/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
12	24/10/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
13	25/10/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
14	26/10/2022	Bulk Harvest	TUN-204XXX	Yes	Yes		
15	27/10/2022	Bulk Harvest	TUN-204XXX	Yes	Yes		
16	28/10/2022	Bulk Harvest	TUN-200XXX	Yes	Yes		
17	29/10/2022	Bulk Harvest	TUN204TT	Yes	Yes		
18	29/10/2022	Bulk Harvest	TUN-202XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	01/11/2022	Bulk Harvest	TUN-001XXX	Yes	Yes		
20	02/11/2022	Bulk Harvest	TUN-201XXX	Yes	Yes		
21	02/11/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
22	03/11/2022	Bulk Harvest	TUN-201XXX	Yes	Yes		
23	04/11/2022	Bulk Harvest	TUN-201XXX	Yes	Yes		
24	05/11/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
25	07/11/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
26	08/11/2022	Bulk Harvest	TUN-202XXX	Yes	Yes		
27	08/11/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
28	08/11/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
29	09/11/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
30	09/11/2022	Bulk Harvest	TUN-208XXX	Yes	Yes		
31	10/11/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
32	11/11/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
33	12/11/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
34	12/11/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
35	13/11/2022	Bulk Harvest	TUN-201XXX	Yes	Yes		
36	13/11/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
37	13/11/2022	Bulk Harvest	TUN-208XXX	Yes	Yes		
38	01/12/2022	Bulk Harvest	TUN-204XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	01/12/2022	Bulk Harvest	TUN-209XXX	Yes	Yes		
40	02/12/2022	Bulk Harvest	TUN-206	Yes	Yes		
41	02/12/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
42	02/12/2022	Bulk Harvest	TUN-204XXX	Yes	Yes		
43	04/12/2022	Bulk Harvest	TUN-204XXX	Yes	Yes		
44	04/12/2022	Bulk Harvest	TUN-209XXX	Yes	Yes		
45	04/12/2022	Bulk Harvest	TUN-209XXX	Yes	Yes		
46	04/12/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
47	05/12/2022	Bulk Harvest	TUN-209XXX	Yes	Yes		
48	05/12/2022	Bulk Harvest	TUN-207XXX	Yes	Yes		
49	05/12/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
50	06/12/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
51	06/12/2022	Bulk Harvest	TUN-205XXX	Yes	Yes		
52	06/12/2022	Bulk Harvest	TUN-206XXX	Yes	Yes		
53	07/12/2022	Bulk Harvest	TUN-209XXX	Yes	Yes		
54	07/12/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
55	08/12/2022	Bulk Harvest	TUN-203XXX	Yes	Yes		
56	09/12/2022	Bulk Harvest	TUN-20XXXX	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	236	52726	236	52726
2	281	63298	281	63298
3	223	49868	223	49868
4	219	43149	219	43149
5	273	53783	273	53783
6	302	55324	302	55324
7	306	42691	306	42691
8	36	3293	36	3293
9	277	43397	277	43397
10	131	16129	131	16129
11	118	17443	118	17443
12	268	35250	268	35250
13	320	51482	320	51482
14	296	54528	296	54528
15	309	55106	309	55106
16	347	61248	347	61248
17	31	5747	31	5747
18	240	45696	240	45696

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	91	22657	91	22657
20	148	29106	148	29106
21	97	18357	97	18357
22	206	44321	206	44321
23	201	46867	201	46867
24	236	38289	236	38289
25	276	47043	276	47043
26	55	10042	55	10042
27	109	19489	109	19489
28	86	14428	86	14428
29	248	40453	248	40453
30	55	8138	55	8138
31	271	46037	271	46037
32	283	46561	283	46561
33	222	37715	222	37715
34	47	7836	47	7836
35	59	12977	59	12977
36	45	7581	45	7581
37	60	8384	60	8384

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
38	71	17882	71	17882
39	84	22792	84	22792
40	112	7432	112	7432
41	47	15815	47	15815
42	71	22269	71	22269
43	37	6867	37	6867
44	80	14825	80	14825
45	90	4519	90	4519
46	127	21865	127	21865
47	38	7736	38	7736
48	39	1950	39	1950
49	232	37356	232	37356
50	104	25624	104	25624
51	60	14165	60	14165
52	30	6542	30	6542
53	149	34406	149	34406
54	44	10571	44	10571
55	169	38375	169	38375
56	175	60252	175	60252

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	XXX001-2022	TN22900002-LT01-CG02-HA02	218	46780	Yes	No	Yes
1	XXX002-2022	TN22900002-LT01-CG02-HA01	18	5946	Yes	No	Yes
2	XXX003-2022	TN22900004-LT01-CG01-HA02	281	63298	Yes	No	Yes
3	XXX004-2022	TN22900002-LT01-CG01-HA01	223	49868	Yes	No	Yes
4	XXX005-2022	TN22900003-LT01-CG01-HA01	7	2205	Yes	No	Yes
4	XXX006-2022	TN22900003-LT01-CG01-HA02	212	40944	Yes	No	Yes
5	XXX007-2022	TN22900012-LT01-CG01-HA01	262	50023	Yes	No	Yes
5	XXX008-2022	TN22900012-LT01-CG01-HA02	11	3760	Yes	No	Yes
6	XXX009-2022	TN22900012-LT01-CG01-HA04	285	49615	Yes	No	Yes
6	XXX010-2022	TN22900012-LT01-CG01-HA05	17	5709	Yes	No	Yes
7	XXX011-2022	DZ22900001-HA01	306	42691	Yes	No	Yes
8	XXX011-2022	TN22900002-LT01-CG02-HA03	36	3293	Yes	No	Yes
9	XXX012-2022	DZ22900001-HA02	27	9056	Yes	No	Yes
9	XXX013-2022	DZ22900001-HA03	250	34341	Yes	No	Yes
10	XXX012-2022	TN22900002-LT01-CG02-HA05	4	1337	Yes	No	Yes
10	XXX013-2022	TN22900002-LT01-CG02-HA04	127	14792	Yes	No	Yes
11	XXX014-2022	TN22900003-LT01-CG01-HA03	118	17443	Yes	No	Yes
12	XXX014-2022	TN22900002-LT01-CG02-HA06	268	35250	Yes	No	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
13	XXX015-2022	TN22900003-LT01-CG01-HA04	320	51482	Yes	No	Yes
14	XXX016-2022	DZ22900005-CG01-HA01	296	54528	Yes	No	Yes
15	XXX017-2022	DZ22900005-CG01-HA02	309	55106	Yes	No	Yes
16	XXX018-2022	DZ22900005-CG01-HA03	347	61248	Yes	No	Yes
17	XXX019-2022	DZ22900005-CG01-HA04	31	5747	Yes	No	Yes
18	XXX019-2022	TN22900004-LT01-CG01-HA03	240	45696	Yes	No	Yes
19	XXX020-2022	TN22900002-LT01-CG01-HA02	91	22657	Yes	No	Yes
20	XXX021-2022	TN22900002-LT01-CG01-HA03	148	29106	Yes	No	Yes
21	XXX021-2022	TN22900012-LT01-CG01-HA06	97	18357	Yes	No	Yes
22	XXX022-2022	TN22900002-LT01-CG01-HA04	206	44321	Yes	No	Yes
23	XXX023-2022	TN22900002-LT01-CG01-HA05	201	46867	Yes	No	Yes
24	XXX024-2022	TN22900012-LT01-CG01-HA07	236	38289	Yes	No	Yes
25	XXX025-2022	TN22900012-LT01-CG01-HA08	236	47043	Yes	No	Yes
26	XXX026-2022	TN22900004-LT01-CG01-HA04	55	10042	Yes	No	Yes
27	XXX026-2022	TN22900012-LT01-CG01-HA09	109	19489	Yes	No	Yes
28	XXX026-2022	TN22900003-LT01-CG01-HA05	86	14428	Yes	No	Yes
29	XXX027-2022	DZ22900009-CG01-HA01	248	40453	Yes	No	Yes
30	XXX027-2022	DZ22900001-HA04	55	8138	Yes	No	Yes
31	XXX028-2022	DZ22900009-CG01-HA02	271	46037	Yes	No	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
32	XXX029-2022	DZ22900009-CG01-HA03	283	46561	Yes	No	Yes
33	XXX030-2022	TN22900002-LT01-CG02-HA07	222	37715	Yes	No	Yes
34	XXX030-2022	DZ22900009-CG01-HA04	47	7836	Yes	No	Yes
35	XXX031-2022	TN22900002-LT01-CG01-HA06	59	12917	Yes	No	Yes
36	XXX031-2022	TN22900003-LT01-CG01-HA06	45	7581	Yes	No	Yes
37	XXX031-2022	DZ22900001-HA05	60	8384	Yes	No	Yes
38	XXX032-2022	DZ22900005-CG01-HA05	71	17882	Yes	No	Yes
39	XXX032-2022	DZ22900003-HA01	84	22792	Yes	No	Yes
40	XXX033-2022	DZ22900003-HA02	112	7432	Yes	No	Yes
41	XXX033-2022	DZ22900009-CG01-HA05	47	15815	Yes	No	Yes
42	XXX033-2022	DZ22900005-CG01-HA06	71	22269	Yes	No	Yes
43	XXX034-2022	TN22900002-LT01-CG01-HA07	37	6867	Yes	No	Yes
44	XXX034-2022	TN22900004-LT01-CG01-HA05	80	14825	Yes	No	Yes
45	XXX034-2022	DZ22900003-HA03	90	4519	Yes	No	Yes
46	XXX034-2022	TN22900003-LT01-CG01-HA07	127	21865	Yes	No	Yes
47	XXX035-2022	DZ22900003-HA04	38	7736	Yes	No	Yes
48	XXX035-2022	DZ22900009-CG01-HA06	39	1950	Yes	No	Yes
49	XXX035-2022	MA22900014-CG01-HA01	88	15433	Yes	No	Yes
49	XXX035-2022	TN22900002-LT01-CG02-HA08	144	21923	Yes	No	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
50	XXX036-2022	TN22900003-LT01-CG01-HA08	104	25624	Yes	No	Yes
51	XXX036-2022	TN22900012-LT01-CG01-HA010	60	14165	Yes	No	Yes
52	XXX036-2022	MA22900014-CG01-HA02	30	6542	Yes	No	Yes
53	XXX037-2022	DZ22900003-HA05	149	34406	Yes	No	Yes
54	XXX037-2022	TN22900003-LT01-CG01-HA09	44	10571	Yes	No	Yes
55	XXX038-2022	TN22900003-LT01-CG01-HA010	169	38375	Yes	No	Yes
56	XXX039-2022	TN22900003-LT01-CG01-HA011	175	60252	Yes	No	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	22	22	0	0
2	29	29	0	0
3	26	26	0	0
4	21	21	0	0
5	24	24	0	0
6	34	34	0	0
7	28	28	0	0
8	6	6	0	0
9	32	32	0	0
10	13	13	0	0
11	15	15	0	0
12	32	32	0	0
13	38	38	0	0
14	31	31	0	0
15	31	31	0	1
16	32	32	0	1
17	6	6	0	0
18	25	25	0	0
19	12	12	0	0

20	14	14	0	0
21	11	11	0	0
22	23	23	0	0
23	22	22	0	0
24	21	21	0	0
25	24	24	0	0
26	8	8	0	0
27	12	12	0	0
28	10	10	0	0
29	25	25	0	0
30	7	7	0	0
31	29	29	0	0
32	28	28	0	0
33	21	21	0	0
34	7	7	0	0
35	8	8	0	0
36	6	6	0	0
37	7	7	0	0
38	8	8	0	0
39	12	12	0	0
40	10	10	0	0
41	7	7	0	0

42	8	8	0	0
43	9	9	0	0
44	10	10	0	0
45	11	11	0	0
46	12	12	0	0
47	8	8	0	0
48	7	7	0	0
49	23	23	0	0
50	14	14	0	0
51	8	8	0	0
52	3	3	0	0
53	15	15	0	0
54	5	5	0	0
55	20	20	0	0
56	22	22	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	CFL Length (cm)	SFL Length (cm)	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
15	Single spaghetti tag	BF448191 / FL 33308	272	263	352	Whole	No	N/A
16	Single spaghetti tag	BYP 050252	259	246	305	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	N/A
		Tunisie		Support	No	N/A
		Tunisie		Support	No	N/A
		Tunisie		Support	No	N/A
		Tunisie		Support	No	N/A
		Panama		Carrier	No	N/A
		Panama		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0732	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	FRANCESCO PULEO
Observer ICCAT ID No	708
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	20/10/2022		REMOTE
Date of mobilisation	24/10/2022		
Arrival to port / farm	24/10/2022		VALLETTA, MALTA
Request dates	26/10/2022	15/11/2022	
Deployment period	26/10/2022	15/11/2022	
Departure from port / farm	16/11/2022		PALERMO
Return home	16/11/2022		
Debriefing	23/11/2022		REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-003-MB	167	47111	TN22900011-LT01-TR01-CG01-HA02
EU.MLT-003-MB	184	45544	TN22900011-LT01-TR01-CG01-HA03
EU.MLT-003-MB	170	46484	TN22900011-LT01-TR01-CG02-HA03
EU.MLT-009-MB	141	32464	MT22900388-G-MC02-HA02
EU.MLT-010-MB	27	5748	TN22900008-TR01-TR01-CG02-MC01-HA02
EU.MLT-011-MB	47	9897	MA22900022-CG02-HA03
EU.MLT-019-MB	19	6058	MA22900022-CG01-HA01
EU.MLT-019-MB	83	26131	TN22900008-TR01-TR01-CG01-HA02
EU.MLT-019-MB	166	40815	TN22900008-TR01-TR01-CG01-HA03

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	08/11/2022	Bulk Harvest	EU.MLT-003-xxx	Yes	Yes		
2	09/11/2022	Bulk Harvest	EU.MLT-006-xxx	Yes	Yes		
3	10/11/2022	Bulk Harvest	EU.MLT-019-xxx	Yes	Yes		
4	11/11/2022	Bulk Harvest	EU.MLT-003-xxx	Yes	Yes		
5	12/11/2022	Bulk Harvest	EU.MLT-019-xxx	Yes	Yes		
6	12/11/2022	Bulk Harvest	EU.MLT-010-xxx	Yes	Yes		
7	13/11/2022	Bulk Harvest	EU.MLT-011-xxx	Yes	Yes		
8	13/11/2022	Bulk Harvest	EU.MLT-009-xxx	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	167	47111	167	47111
2	170	46484	170	46484
3	102	32189	102	32189
4	184	45544	184	45544
5	166	40815	166	40815
6	27	5748	27	5748
7	47	9897	47	9897
8	141	32464	141	32464

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-0031-xxx	TN22900011-LT01-TR01-CG01-HA02	167	47111	Yes	Yes	Yes
2	MLT-2022-0033-xxx	TN2200011-LT01-TR01-CG02-HA03	170	46484	Yes	Yes	Yes
3	MLT-2022-0036-xxx	TN22900008-TR01-TR02-CG01-HA02	83	26131	Yes	Yes	Yes
3	MLT-2022-0037-xxx	MA22900022-CG01-HA01	19	6058	Yes	Yes	Yes
4	MLT-2022-0039-xxx	TN22900011-LT01-TR01-CG01-HA03	184	45544	Yes	Yes	Yes
5	MLT-2022-0041-xxx	TN22900008-TR01-TR01-CG01-HA03	166	40815	Yes	Yes	Yes
6	MLT-2022-0040-xxx	TN22900008-TR01-TR01-CG02-MC01-HA02	27	5748	Yes	Yes	Yes
7	MLT-2022-0042-xxx	MT22900022-CG02-HA03	47	9897	Yes	Yes	Yes
8	MLT-2022-0043-xxx	MT22900388-G-MC02-HA02	43	32464	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	23	23	0	0
2	21	21	0	0
3	11	11	0	0
4	19	19	0	0
5	20	20	0	0
6	9	9	0	0
7	5	5	0	0
8	16	16	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

No Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
N/A						

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0733</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Francisco Vieira
Observer ICCAT ID No	432
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	24/10/2022		Lisbon, Portugal
Date of mobilisation	24/10/2022		
Arrival to port / farm	24/10/2022		Cartagena, Spain
Request dates	25/10/2022	15/01/2023	
Deployment period	25/10/2022	15/01/2023	
Departure from port / farm	17/01/2023		Cartagena, Spain
Return home	17/01/2023		
Debriefing	16/01/2023		Cartagena, Spain

The deployment ended earlier than the original request end date of 23/01 following a request from the farm due to early completion of bulk harvest operations..

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-041	41		ES22901553-CG01
ESP-041	44		FR22900822-LT01-CG01
ESP-042	327		ES22901539
ESP-042	781		FR22900814-LT01-CG01
ESP-043	308		ES22901531-CG01
ESP-043	742		FR22900805 -CG01
ESP-044	188		ES22901531-CG02
ESP-044	449		FR22900805 -CG02
ESP-045	0		ES22901531-CG03
ESP-045	260		ES22901549-CG02-MC01
ESP-045	235		FR22900805 -CG03
ESP-045	620		FR22900819-CG02-MC01
ESP-046	260		ES22901553-CG02
ESP-046	621		FR22900822-LT01-CG02
ESP-047	16		ES22901549-CG02
ESP-047	651		FR22900819-CG02
ESP-049	0		ES22901549-CG01
ESP-049	418		FR22900819-CG01
ESP-050	0		CY22900015

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-050	92		CY22900016-MC01
ESP-050	31		FR22900832-LT01
ESP-050	49		FR22900836-LT01-MC01
ESP-052	509		ES22901553-CG03
ESP-052	1219		FR22900822-LT01-CG03
ESP-053	1344		IT22900986
ESP-053	351		IT22901017
ESP-053	699		IT22901046

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	EFD/bgm	30/11/2022	09:40	ESP-051	ESP-054		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

The farm had carried out a control transfer from ESP-050 to 051 on 07/11 as a pre-release segregation, but the observer was not present. As such, the operation was repeated as a pre-segregation operation from cage ESP-051 to ESP-54 with the observer present.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	4	Yes	17	1360	N/A	17

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The tuna released was tuna remaining after harvest operations, and therefore was not covered by an eBCD.

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1	Harvest	01/12/2022	08:55			ESP-054	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	07/11/2022	ESP-050	ESP-051	EFD/bgm

* Operation number: Unique identification field linked to the deployment data set.

The farm carried out this operation as a pre-release segregation. However, the observer was not present. As such, the operation was repeated as a pre-segregation operation from cage ESP-051 to ESP-54, with the observer present on 30/11.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
1	17	1360	N/A	No		

* Intra farm transfer operations as per Table 16.

The observer was not present for the operation and therefore did not review the video.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	26/10/2022	Bulk Harvest	ESP-043	Yes	Yes		
2	27/10/2022	Bulk Harvest	ESP-043	Yes	Yes		
3	28/10/2022	Bulk Harvest	ESP-043	Yes	Yes		
4	30/10/2022	Bulk Harvest	ESP-050	Yes	Yes		
5	31/10/2022	Bulk Harvest	ESP-050	Yes	Yes		
6	31/10/2022	Bulk Harvest	ESP-043	Yes	Yes		
7	01/11/2022	Bulk Harvest	ESP-045	Yes	Yes		
8	17/11/2022	Fresh Export	ESP-046	Yes	Yes		
9	24/11/2022	Bulk Harvest	ESP-053	Yes	Yes		
10	25/11/2022	Bulk Harvest	ESP-053	Yes	Yes		
11	26/11/2022	Bulk Harvest	ESP-053	Yes	Yes		
12	02/12/2022	Fresh Export	ESP-044	Yes	Yes		
13	19/12/2022	Bulk Harvest	ESP-045	Yes	Yes		
14	20/12/2022	Bulk Harvest	ESO-045	Yes	Yes		
15	26/12/2022	Bulk Harvest	ESP-045	Yes	Yes		
16	27/12/2022	Bulk Harvest	ESP-045	Yes	Yes		
17	28/12/2022	Bulk Harvest	ESP-045	Yes	Yes		
18	29/12/2022	Bulk Harvest	ESP-053	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	30/12/2022	Bulk Harvest	ESP-053	Yes	Yes		
20	31/12/2022	Bulk Harvest	ESP-053	Yes	Yes		
21	02/01/2023	Bulk Harvest	ESP-045	Yes	Yes		
22	03/01/2023	Bulk Harvest	ESP-045	Yes	Yes		
23	04/01/2023	Bulk Harvest	ESP-050	Yes	Yes		
24	05/01/2023	Bulk Harvest	ESP-050	Yes	Yes		
25	07/01/2023	Bulk Harvest	ESP-050	Yes	Yes		
26	10/01/2023	Bulk Harvest	ESP-050	Yes	Yes		
27	11/01/2023	Bulk Harvest	ESP-050	Yes	Yes		
28	11/01/2023	Bulk Harvest	ESP-052	Yes	Yes		
29	12/01/2023	Bulk Harvest	ESP-052	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	99	37801	99	37801
2	118	43737	118	43737
3	108	38342	108	38342

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
4	139	40455	139	40455
5	33	6931	33	6931
6	103	28408	103	28408
7	131	43320	131	43320
8	56	12633	56	12633
9	440	32792	440	32792
10	436	31859	436	31859
11	391	24666	391	24666
12	2	537	2	537
13	151	43401	151	43401
14	51	16093	51	16093
15	159	46893	159	46893
16	148	43752	148	43752
17	236	43048	236	43048
18	120	23068	120	23068
19	134	41321	134	41321
20	208	40090	208	40090
21	117	32835	117	32835
22	309	41994	309	41994

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
23	110	38541	110	38541
24	224	57428	224	57428
25	214	55624	214	55624
26	271	43552	271	43552
27	102	24923	102	24923
28	55	12515	55	12515
29	132	26346	132	26346

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	ESP-EU-2022/048/049/DSDT	ES22901531-CG01	99	37801	Yes	Yes	Yes
2	ESP-EU-2022/052/053/DSDT	ES22901531-CG01-HA04	118	43737	Yes	Yes	Yes
3	ESP-EU-2022/056/057/DSDT	FR22900805-CG01-HA01	108	38342	Yes	Yes	Yes
4	ESP-EU-2022/058/059/DSDT	CY22900016-MC01	92	29531	Yes	Yes	Yes
4	ESP-EU-2022/058/059/DSDT	FR22900832-LT01-HA07	31	6987	Yes	Yes	Yes
4	ESP-EU-2022/058/059/DSDT	FR22900836-LT01-MC01-HA02	16	3937	Yes	Yes	Yes
5	ESP-EU-2022/060/061/062/DSDT	FR22900836-LT01-MC01-HA03	33	6931	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
6	ESP-EU-2022/060/061/062/DSDT	FR22900805-CG01-HA02	103	28408	Yes	Yes	Yes
7	ESP-EU-2022/065/066/DSDT	FR22900819-CG02-MC01-HA02	131	43320	Yes	Yes	Yes
8	ESP-EU-2022/067/DSDT	ES22901553-CG02-HA01	56	12633	Yes	Yes	Yes
9	ESP-EU-2022/068/069/DSDT	IT22901017	351	25692	Yes	Yes	Yes
9	ESP-EU-2022/068/069/DSDT	IT22901046-HA01	89	7100	Yes	Yes	Yes
10	ESP-EU-2022/070/071/DSDT	IT22900986-HA01	436	31859	Yes	Yes	Yes
11	ESP-EU-2022/072/073/DSDT	IT22900986-HA02	391	24666	Yes	Yes	Yes
12	ESP-EU-2022/074/DSDT	ES22901531-CG02-HA01	2	537	Yes	Yes	Yes
13	ESP-EU-2022/075/076/DSDT	ES22901549-CG02-MC01-HA02	113	32923	Yes	Yes	Yes
13	ESP-EU-2022/075/076/DSDT	FR22900819-CG02-MC01-HA03	38	10478	Yes	Yes	Yes
14	ESP-EU-2022/077/078/DSDT	FR22900819-CG02-MC01-HA04	51	16093	Yes	Yes	Yes
15	ESP-EU-2022/079/080/DSDT	ES22901553-CG01-MC01	41	11369	Yes	Yes	Yes
15	ESP-EU-2022/079/080/DSDT	FR22900819-CG02-MC01-HA05	74	25944	Yes	Yes	Yes
15	ESP-EU-2022/079/080/DSDT	FR22900822-LT01-CG01-MC01	44	9580	Yes	Yes	Yes
16	ESP-EU-2022/081/082/DSDT	ES22901531-CG01-MC01-HA01	91	24329	Yes	Yes	Yes
16	ESP-EU-2022/081/082/DSDT	FR22900819-CG02-MC01-HA06	57	19423	Yes	Yes	Yes
17	ESP-EU-2022/083/084/DSDT	FR22900805-CG01-MC01-HA01	236	43048	Yes	Yes	Yes
18	ESP-EU-2022/085/086/DSDT	IT22900986-HA03	120	23068	Yes	Yes	Yes
19	ESP-EU-2022/087/088/DSDT	IT22901046-HA02	134	41321	Yes	Yes	Yes
20	ESP-EU-2022/089/090/DSDT	IT22900986-HA04	208	40090	Yes	Yes	Yes
21	ESP-EU-2022/091/092/DSDT	FR22900819-CG02-MC01-HA07	117	32835	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
22	ESP-EU-2022/093/094/DSDT	ES22901549-CG02-MC02	16	4266	Yes	Yes	Yes
22	ESP-EU-2022/093/094/DSDT	FR22900805-CG01-MC01-HA02	155	11375	Yes	Yes	Yes
22	ESP-EU-2022/093/094/DSDT	FR22900819-CG02-MC01-HA08	24	7623	Yes	Yes	Yes
22	ESP-EU-2022/093/094/DSDT	FR22900819-CG02-MC02-HA01	114	18730	Yes	Yes	Yes
23	ESP-EU-2022/095/096/DSDT	ES22901553-CG03-MC01-HA01	9	2181	Yes	Yes	Yes
23	ESP-EU-2022/095/096/DSDT	FR22900819-CG01-MC01-HA01	101	36360	Yes	Yes	Yes
24	ESP-EU-2022/097/098/DSDT	ES22901553-CG03-MC01-HA02	182	47084	Yes	Yes	Yes
24	ESP-EU-2022/097/098/DSDT	FR22900819-CG01-MC01-HA02	42	10344	Yes	Yes	Yes
25	ESP-EU-2022/099/100/DSDT	ES22901553-CG03-MC01-HA03	59	16113	Yes	Yes	Yes
25	ESP-EU-2022/099/100/DSDT	FR22900822-LT01-CG03-MC01-HA01	155	39511	Yes	Yes	Yes
26	ESP-EU-2022/103/104/DSDT	FR22900819-CG01-MC01-HA03	214	38535	Yes	Yes	Yes
26	ESP-EU-2022/103/104/DSDT	FR22900822-LT01-CG03-MC01-HA02	57	5017	Yes	Yes	Yes
27	ESP-EU-2022/107/108/DSDT	FR22900819-CG01-MC01-HA04	61	12859	Yes	Yes	Yes
27	ESP-EU-2022/107/108/DSDT	FR22900822-LT01-CG03-MC01-HA03	41	12064	Yes	Yes	Yes
28	ESP-EU-2022/109/DSDT	FR22900822-LT01-CG03-HA02	55	12515	Yes	Yes	Yes
29	ESP-EU-2022/110/111/DSDT	FR22900822-LT01-CG03-HA03	132	26346	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	N/A
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	10	10	0	0
2	12	12	0	0
3	14	14	0	0
4	14	14	0	0
5	12	12	0	0
6	4	4	0	0
7	16	16	0	0
8	56	56	0	0
9	45	45	0	0
10	46	46	0	0
11	36	36	0	0
12	2	2	0	0
14	5	5	0	0
15	17	17	0	1
17	24	24	0	0
18	12	12	0	0
19	14	14	0	0
20	21	21	0	0
21	13	13	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
22	34	34	0	0
23	13	13	0	0
24	23	23	0	0
25	22	23	0	1
26	28	28	0	0
27	11	11	0	0
28	5	5	0	0
29	14	14	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
15	Single Spaghetti	BYP 079956	260	CFL	327	Whole	No	N/A
25	Single Spaghetti	BYP 079003	Null	N/A	198	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
26/10/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	
10/01/2023		Panama			Carrier	
26/10/2022		Panama			Carrier	
26/10/2022		Panama			Carrier	
17/11/2022		EU.España			Farm	
26/10/2022		EU.España			Farm	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0734	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	Lyazid HAFRAOUI
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	01/11/2022		ON LINE
Date of mobilisation	02/11/2022		
Arrival to port / farm	02/11/2022		HERGLA/XXX
Request dates	03/11/2022	10/12/2022	
Deployment period	03/11/2022	10/12/2022	
Departure from port / farm	11/12/2022		AZEFFOUN/XXX
Return home	11/12/2022		
Debriefing	12/12/2022		AZEFFOUN

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
XXX-001	569	65466,65	TN22900001
XXX-002	776	115570,84	TN22900006
XXX-003	840	135660	TN22900006
XXX-004	589	83932,5	TN22900006

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	15/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
2	16/11/2022	Bulk Harvest	XXX-004	Yes	Yes		
3	17/11/2022	Bulk Harvest	XXX-004	Yes	Yes		
4	17/11/2022	Bulk Harvest	XXX-002	Yes	Yes		
5	18/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
6	18/11/2022	Bulk Harvest	XXX-002	Yes	Yes		
7	18/11/2022	Bulk Harvest	XXX-003	Yes	Yes		
8	19/11/2022	Bulk Harvest	XXX-002	Yes	Yes		
9	19/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
10	20/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
11	20/11/2022	Bulk Harvest	XXX-002	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	285	60813	285	60813
2	294	59050	294	59050
3	198	41702	198	41702
4	93	14964	93	14964
5	71	7250	71	7250
6	104	21226	104	21226
7	82	15891	82	15891
8	193	41879	193	41879
9	134	18593	134	18593
10	79	17352	79	17352
11	50	12048	50	12048

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUN-XXX-2022-001	TN22900001-LT01-HA01	285	60813	Yes	Yes	Yes
2	TUN-XXX-2022-003	TN22900006-LT01-CG03-HA02	294	59050	Yes	Yes	Yes
3	TUN-XXX-2022-006	TN22900006-LT01-CG02-HA02	198	41702	Yes	Yes	Yes
4	TUN-XXX-2022-007	TN22900006-LT01-CG03-HA04	93	14964	Yes	Yes	Yes
5	TUN-XXX-2022-009	TN22900001-LT01-HA02	71	7250	Yes	Yes	Yes
6	TUN-XXX-2022-010	TN22900006-LT01-CG02-HA04	104	21226	Yes	Yes	Yes
7	TUN-XXX-2022-011	TN22900006-LT01-CG01-HA01	82	15891	Yes	Yes	Yes
8	TUN-XXX-2022-013	TN22900006-LT01-CG02-HA05	193	41879	Yes	Yes	Yes
9	TUN-XXX-2022-014	TN22900001-LT01-HA03	134	18593	Yes	Yes	Yes
10	TUN-XXX-2022-015	TN22900001-LT01-HA04	79	17352	Yes	Yes	Yes
11	TUN-XXX-2022-016	TN22900006-LT01-CG02-HA06	50	12048	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	31	31	N/A	2
2	30	30	N/A	0
3	20	20	N/A	0
4	11	11	N/A	0
5	8	8	N/A	0
6	11	11	N/A	0
7	9	9	N/A	0
8	20	20	N/A	0
9	15	15	N/A	0
10	8	8	N/A	0
11	6	6	N/A	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
1	Single spaghetti tag	BYP057290	270	280	262	Whole	No	N/A
2	Single spaghetti tag	PAR000003	246	252	297	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	N/A
		Panama		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0734	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	Lyazid HAFRAOUI
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	01/11/2022		ON LINE
Date of mobilisation	02/11/2022		
Arrival to port / farm	02/11/2022		HERGLA/XXX
Request dates	03/11/2022	10/12/2022	
Deployment period	03/11/2022	10/12/2022	
Departure from port / farm	11/12/2022		AZEFFOUN/XXX
Return home	11/12/2022		
Debriefing	12/12/2022		AZEFFOUN

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
XXX-001	515	74218,736	TN22900013-LT01
XXX-002	643	80804,459	TN22900010-LT01
XXX-003	478	60069,257	TN22900010-LT01
XXX-004	579	83442,035	TN22900014-LT01
XXX-005	935	139844,659	TN22900016-LT01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	21/11/2022	Bulk Harvest	XXX-002	Yes	Yes		
2	23/11/2022	Bulk Harvest	XXX-002	Yes	Yes		
3	24/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
4	25/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
5	25/11/2022	Bulk Harvest	XXX-001	Yes	Yes		
6	25/11/2022	Bulk Harvest	XXX-004	Yes	Yes		
7	25/11/2022	Bulk Harvest	XXX-004	Yes	Yes		
8	01/12/2022	Bulk Harvest	XXX-005	Yes	Yes		
9	01/12/2022	Bulk Harvest	XXX-003	Yes	Yes		
10	02/12/2022	Bulk Harvest	XXX-003	Yes	Yes		
11	03/12/2022	Bulk Harvest	XXX-005	Yes	Yes		
12	04/12/2022	Bulk Harvest	XXX-005	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	234	31929	234	31929
2	150	42070	150	42070
3	178	42805	178	42805
4	16	4066	16	4066
5	20	3975	20	3975
6	58	18363	58	18363
7	132	24038	132	24038
8	30	6324	30	6324
9	78	11934	78	11934
10	98	14208	98	14208
11	159	28081	159	28081
12	283	62350	283	62350

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUN-XXX-2022-001	TN22900010-LT01-MC01-HA01	234	31929	Yes	Yes	Yes
2	TUN-XXX-2022-002	TN22900010-LT01-MC01-HA02	150	42070	Yes	Yes	Yes
3	TUN-XXX-2022-006	TN22900013-LT01-HA03	178	42805	Yes	Yes	Yes
4	TUN-XXX-2022-008	TN22900013-LT01-HA04	16	4066	Yes	Yes	Yes
5	TUN-XXX-2022-009	TN22900014-LT01-HA01	20	3975	Yes	Yes	Yes
6	TUN-XXX-2022-010	TN22900013-LT01-HA05	58	18363	Yes	Yes	Yes
7	TUN-XXX-2022-011	TN22900014-LT01-HA02	132	24038	Yes	Yes	Yes
8	TUN-XXX-2022-014	TN22900016-LT01-CG01-HA01	30	6324	Yes	Yes	Yes
9	TUN-XXX-2022-015	TN22900010-LT01-MC02-HA03	78	11934	Yes	Yes	Yes
10	TUN-XXX-2022-018	TN22900010-LT01-MC02-HA04	98	14208	Yes	Yes	Yes
11	TUN-XXX-2022-020	TN22900016-LT01-CG01-HA04	159	28081	Yes	Yes	Yes
12	TUN-XXX-2022-023	TN22900016-LT01-CG02-HA02	283	62350	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	25	25	N/A	0
2	16	16	N/A	0
3	20	20	N/A	1
4	5	5	N/A	0
5	4	4	N/A	0
6	6	6	N/A	0
7	15	15	N/A	0
8	5	5	N/A	0
9	10	10	N/A	0
10	10	10	N/A	0
11	18	18	N/A	0
12	30	30	N/A	0

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
3	Single spaghetti tag	BYP080160	217	227	241	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	N/A
		Panama		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0735	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	Khellaf nacir
Observer ICCAT ID No	524
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	13/11/2022		PARIS
Date of Mobilisation	14/11/2022		
Arrival to Port / Farm	14/11/2022		MONASTIR
Request Dates	15/11/2022	10/12/2022	
Deployment Period	15/11/2022	10/12/2022	
Departure from Port / Farm	11/12/2022		PARIS
Return Home	11/12/2022		
Debriefing	12/12/2022		PARIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
001	569	65466,65	TN22900001
002	776	115570,84	TN22900006
003	840	135660	TN22900006
004	589	83932,5	TN22900006

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A	N/A		

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A	/		/	/	/	/	/	/	/	/

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A	/	/	/	/	/	/	/	/

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A	/	/	/	/

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A	/	/	/

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A	/	/	/	/	/	/

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A	/	/	/	/	/

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A	/	/	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A	/	/	/	/	/	/	/

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A	/	/	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A	/	/	/	/

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A	/	/	/	/	/	/

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	16/11/2022	Bulk Harvest	004	Yes	Yes		
2	17/11/2022	Bulk Harvest	004	Yes	Yes		
3	17/11/2022	Bulk Harvest	002	Yes	Yes		
4	18/11/2022	Bulk Harvest	002	Yes	Yes		
5	19/11/2022	Bulk Harvest	003	Yes	Yes		
6	20/11/2022	Bulk Harvest	003	Yes	Yes		
7	21/11/2022	Bulk Harvest	003	Yes	Yes		
8	05/12/2022	Bulk Harvest	003	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	161	47571	161	45046
2	41	10244	41	9764
3	137	40934	137	38673
4	94	24372	94	22936
5	90	23755	90	23755
6	129	31758	129	29922
7	206	47335	206	47335
8	123	12640	123	12640

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUN-XXX-2022-002	TN22900006-LT01-CG03-HA01	161	45046	Yes	Yes	Yes
2	TUN-XXX-2022-005	TN22900006-LT01-CG03-HA03	41	9764	Yes	Yes	Yes
3	TUN-XXX-2022-004	TN22900006-LT01-CG02-HA01	137	38673	Yes	Yes	Yes
4	TUN-XXX-2022-008	TN22900006-LT01-CG02-HA03	94	22936	Yes	Yes	Yes
5	TUN-XXX-2022-012	TN22900006-LT01-CG01-HA02	90	23755	Yes	Yes	Yes
6	TUN-XXX-2022-017	TN22900006-LT01-CG01-HA03	129	29922	Yes	Yes	Yes
7	TUN-XXX-2022-018	TN22900006-LT01-CG01-HA04	206	47335	Yes	Yes	Yes
8	TUN-XXX-2022-019	TN22900006-LT01-CG01-HA05	123	12640	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	/

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	17	17		0
2	5	5		0
3	14	14		0
4	11	11		0
5	10	10		0
6	13	13		0
7	22	22		0
8	13	13		0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A	/	/	/	/	/	/	/	/

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		Japan		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0735	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	Khellaf nacir
Observer ICCAT ID No	524
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	13/11/2022		PARIS
Date of Mobilisation	14/11/2022		
Arrival to Port / Farm	14/11/2022		MONASTIR
Request Dates	15/11/2022	10/12/2022	
Deployment Period	15/11/2022	10/12/2022	
Departure from Port / Farm	11/12/2022		PARIS
Return Home	11/12/2022		
Debriefing	12/12/2022		PARIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
XXX001	515	74218,736	TN22900013-LT01
XXX002	643	80804,459	TN22900010-LT01
XXX003	478	60069,257	TN22900010-LT01
XXX004	579	83442,035	TN22900014-LT01
XXX005	935	139844,659	TN22900016-LT01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A	N/A		

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A	/		/	/	/	/	/	/	/	/

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A	/	/	/	/	/	/	/	/

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A	/	/	/	/

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A	/	/	/

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A	/	/	/	/	/	/

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A	/	/	/	/	/

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A	/	/	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A	/	/	/	/	/	/

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A	/	/	/	/	/	/	/

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A	/	/	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A	/	/	/	/

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A	/	/	/	/	/	/

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	23/11/2022	Bulk Harvest	002	Yes	Yes		
2	23/11/2022	Bulk Harvest	001	Yes	Yes		
3	24/11/2022	Bulk Harvest	001	Yes	Yes		
4	25/11/2022	Bulk Harvest	004	Yes	Yes		
5	25/11/2022	Bulk Harvest	004	Yes	Yes		
6	29/11/2022	Bulk Harvest	003	Yes	Yes		
7	29/11/2022	Bulk Harvest	003	Yes	Yes		
8	01/12/2022	Bulk Harvest	004	Yes	Yes		
9	01/12/2022	Bulk Harvest	005	Yes	Yes		
10	02/12/2022	Bulk Harvest	005	Yes	Yes		
11	04/12/2022	Bulk Harvest	005	Yes	Yes		
12	04/12/2022	Bulk Harvest	005	Yes	Yes		
13	05/12/2022	Bulk Harvest	005	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	259	55394	259	55394
2	33	3469	33	3469
3	268	64749	268	64749
4	210	51140	210	51140
5	99	16982	99	16982
6	157	38486	157	38486
7	145	32910	145	32910
8	80	23860	80	23860
9	129	25929	129	25929
10	127	24814	127	24814
11	14	3317	14	3317
12	116	27492	116	27492
13	77	25768	77	25768

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUN-XXX-2022-003	TN22900010-LT01-MC01-HA03	259	55394	Yes	Yes	Yes
2	TUN-XXX-2022-004	TN22900013-LT01-HA01	33	3469	Yes	Yes	Yes
3	TUN-XXX-2022-005	TN22900013-LT01-HA02	268	64749	Yes	Yes	Yes
4	TUN-XXX-2022-006	TN22900014-LT01-HA03	210	51140	Yes	Yes	Yes
5	TUN-XXX-2022-007	TN22900014-LT01-HA04	99	16982	Yes	Yes	Yes
6	TUN-XXX-2022-012	TN22900010-LT01-MC02-HA01	157	38486	Yes	Yes	Yes
7	TUN-XXX-2022-013	TN22900010-LT01-MC02-HA02	145	32910	Yes	Yes	Yes
8	TUN-XXX-2022-016	TN22900014-LT01-HA05	80	23860	Yes	Yes	Yes
9	TUN-XXX-2022-017	TN22900016-LT01-CG01-HA02	129	25929	Yes	Yes	Yes
10	TUN-XXX-2022-019	TN22900016-LT01-CG01-HA03	127	24814	Yes	Yes	Yes
11	TUN-XXX-2022-021	TN22900016-LT01-CG01-HA05	14	3317	Yes	Yes	Yes
12	TUN-XXX-2022-022	TN22900016-LT01-CG02-HA01	116	27492	Yes	Yes	Yes
13	TUN-XXX-2022-024	TN22900016-LT01-CG02-HA03	77	25768	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	/

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	26	26	N/A	0
2	5	5	N/A	0
3	26	26	N/A	0
4	21	21	N/A	0
5	10	10	N/A	0
6	16	16	N/A	0
7	16	16	N/A	0
8	9	9	N/A	0
9	14	14	N/A	1
10	14	14	N/A	0
11	2	2	N/A	0
12	13	13	N/A	0
13	11	11	N/A	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
9	Electronic PIT / Single spaghetti tag	BB00920	265	260	275	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	N/A
		Japan		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0736</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	Denizcan DURGUN
Observer ICCAT ID No	328
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/11/2022		Ankara, Türkiye
Date of mobilisation	23/11/2022		
Arrival to port / farm	23/11/2022		Sığacık, Türkiye
Request dates	24/11/2022	26/12/2022	
Deployment period	24/11/2022	26/12/2022	
Departure from port / farm	26/12/2022		Izmir, Türkiye
Return home	28/12/2022		
Debriefing	27/12/2022		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-022	290	50349	TR21900055
TUR-XXX-2021-022	59	8018	TR21900080
TUR-XXX-2021-022	490	67945	TR21900082
TUR-XXX-2021-022	106	14653	TR21900087
TUR-XXX-2021-022	388	50159	TR21900096
TUR-XXX-2021-022	438	60735	TR21900106
TUR-XXX-2021-022	494	68291	TR21900107
TUR-XXX-2021-022	280	40738	TR21900117
TUR-XXX-2021-035	102	30148	TR20900030-MC01
TUR-XXX-2021-035	141	35198	TR20900031-MC01
TUR-XXX-2021-035	125	33419	TR20900038-MC01-LT01
TUR-XXX-2021-035	237	58137	TR20900040-MC01
TUR-XXX-2021-035	238	58314	TR20900045-MC01
TUR-XXX-2021-035	91	26081	TR20900050-CG01-MC01
TUR-XXX-2021-035	149	39399	TR20900056-MC01
TUR-XXX-2022-001	512	59682	TR22900078
TUR-XXX-2022-003	758	226136	TR22900074-CG01
TUR-XXX-2022-004	306	119253	TR22900077-CG01
TUR-XXX-2022-005	662	61050	TR22900016-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-005	215	46607	TR22900028-TR01
TUR-XXX-2022-005	128	8242	TR22900050
TUR-XXX-2022-005	444	27159	TR22900058
TUR-XXX-2022-006	510	47255	TR22900036-CG01
TUR-XXX-2022-006	338	73199	TR22900042

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred XXXed on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	24/11/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
2	24/11/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
3	25/11/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
4	25/11/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
5	26/11/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
6	26/11/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
7	27/11/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
8	27/11/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
9	28/11/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
10	28/11/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
11	28/11/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
12	29/11/2022	Bulk Harvest	TUR-XXX-2022-005	Yes	Yes		
13	29/11/2022	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
14	29/11/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
15	30/11/2022	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
16	30/11/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
17	03/12/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
18	03/12/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	04/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
20	04/12/2022	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
21	04/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
22	05/12/2022	Bulk Harvest	TUR-XXX-2022-005	Yes	Yes		
23	05/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
24	06/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
25	06/12/2022	Bulk Harvest	TUR-XXX-2022-005	Yes	Yes		
26	06/12/2022	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
27	06/12/2022	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
28	07/12/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
29	07/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
30	08/12/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
31	08/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
32	14/12/2022	Bulk Harvest	TUR-XXX-2021-035	Yes	Yes		
33	14/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
34	14/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
35	16/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
36	16/12/2022	Bulk Harvest	TUR-XXX-2022-005	Yes	Yes		
37	16/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
38	17/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	17/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
40	18/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
41	19/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
42	19/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
43	21/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
44	21/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
45	22/12/2022	Bulk Harvest	TUR-XXX-2021-022	Yes	Yes		
46	22/12/2022	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
47	22/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	57	26026	57	26026
2	114	33869	114	33869
3	108	30148	108	30148
4	63	27824	63	27824
5	114	39056	114	39056

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
6	40	15300	40	15300
7	105	33419	105	33419
8	93	23174	93	23174
9	113	38318	113	38318
10	42	11037	42	11037
11	22	9186	22	9186
12	62	18020	62	18020
13	62	18000	62	18000
14	56	16597	56	16597
15	57	12381	57	12381
16	205	60889	205	60889
17	222	51935	222	51935
18	20	7642	20	7642
19	34	5387	34	5387
20	221	50491	221	50491
21	11	3485	11	3485
22	179	40263	179	40263
23	42	13134	42	13134
24	78	10501	78	10501

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
25	32	7166	32	7166
26	54	11552	54	11552
27	97	34295	97	34295
28	111	28988	111	28988
29	90	31469	90	31469
30	43	9252	43	9252
31	109	32670	109	32670
32	70	19024	70	19024
33	115	24561	115	24561
34	63	18002	63	18002
35	113	24824	113	24824
36	74	15200	74	15200
37	56	19990	56	19990
38	263	45904	263	45904
39	22	6570	22	6570
40	335	58203	335	58203
41	269	45929	269	45929
42	33	9481	33	9481
43	223	40073	223	40073

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
44	38	12672	38	12672
45	212	37131	212	37131
46	53	9469	53	9469
47	32	12212	32	12212

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2022/AUT/184	TR20900045-MC01-HA01	57	26026	Yes	Yes	Yes
2	TUR-2022/AUT/184	TR20900045-MC01-HA01	114	33869	Yes	Yes	Yes
3	TUR-2022/AUT/184	TR20900040-MC01-HA01	108	30148	Yes	Yes	Yes
4	TUR-2022/AUT/184	TR22900077-CG01-HA02	63	27824	Yes	Yes	Yes
5	TUR-2022/AUT/184	TR20900030-MC01-MC01-HA01	90	30248	Yes	Yes	Yes
5	TUR-2022/AUT/184	TR20900031-MC01-MC01-HA01	24	8808	Yes	Yes	Yes
6	TUR-2022/AUT/184	TR22900077-CG01-HA03	40	15300	Yes	Yes	Yes
7	TUR-2022/AUT/184	TR20900038-MC01-LT01-HA01	105	33419	Yes	Yes	Yes
8	TUR-2022/AUT/184	TR22900078-HA01	93	23174	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
9	TUR-2022/AUT/184	TR20900050-CG01-MC01-MC01-HA01	84	26252	Yes	Yes	Yes
9	TUR-2022/AUT/184	TR20900056-MC01-MC01-HA01	29	12066	Yes	Yes	Yes
10	TUR-2022/AUT/184	TR22900074-CG01-HA01	42	11037	Yes	Yes	Yes
11	TUR-2022/AUT/184	TR22900077-CG01-HA04	22	9186	Yes	Yes	Yes
12	TUR-2022/AUT/184	TR22900016-CG01-HA01	62	18020	Yes	Yes	Yes
13	TUR-2022/AUT/184	TR22900036-CG01-HA01	62	18000	Yes	Yes	Yes
14	TUR-2022/AUT/184	TR22900078-HA02	56	16597	Yes	Yes	Yes
15	TUR-2022/AUT/184	TR22900042-HA01	57	12381	Yes	Yes	Yes
16	TUR-2022/AUT/184	TR22900074-CG01-HA02	205	60889	Yes	Yes	Yes
17	TUR-2022/AUT/184	TR20900031-MC01-MC01-HA02	107	26955	Yes	Yes	Yes
17	TUR-2022/AUT/184	TR20900045-MC01-HA02	115	24980	Yes	Yes	Yes
18	TUR-2022/AUT/184	TR22900077-CG01-HA05	20	7642	Yes	Yes	Yes
19	TUR-2022/AUT/184	TR21900055-HA01	34	5387	Yes	Yes	Yes
20	TUR-2022/AUT/184	TR22900042-HA02	221	50491	Yes	Yes	Yes
21	TUR-2022/AUT/184	TR22900074-CG01-HA03	11	3485	Yes	Yes	Yes
22	TUR-2022/AUT/184	TR22900028-TR01-HA01	179	40263	Yes	Yes	Yes
23	TUR-2022/AUT/184	TR21900107-HA01	42	13134	Yes	Yes	Yes
24	TUR-2022/AUT/184	TR21900107-HA01	78	10501	Yes	Yes	Yes
25	TUR-2022/AUT/184	TR22900028-TR01-HA02	32	7166	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
26	TUR-2022/AUT/184	TR22900042-HA03	54	11552	Yes	Yes	Yes
27	TUR-2022/AUT/184	TR22900077-CG01-HA06	97	34295	Yes	Yes	Yes
28	TUR-2022/AUT/184	TR20900038-MC01-LT01-HA02	1	169	Yes	Yes	Yes
28	TUR-2022/AUT/184	TR20900040-MC01-HA02	110	28819	Yes	Yes	Yes
29	TUR-2022/AUT/184	TR22900074-CG01-HA05	90	31469	Yes	Yes	Yes
30	TUR-2022/AUT/184	TR20900056-MC01-MC01-HA02	43	9252	Yes	Yes	Yes
31	TUR-2022/AUT/184	TR22900074-CG01-HA06	109	32670	Yes	Yes	Yes
32	TUR-2022/AUT/184	TR20900056-MC01-MC01-HA03	70	19024	Yes	Yes	Yes
33	TUR-2022/AUT/184	TR21900096-MC01-HA01	115	24561	Yes	Yes	Yes
34	TUR-2022/AUT/184	TR22900074-CG01-HA07	30	7846	Yes	Yes	Yes
34	TUR-2022/AUT/184	TR22900074-CG01-HA08	33	10156	Yes	Yes	Yes
35	TUR-2022/AUT/184	TR21900055-HA02	36	9704	Yes	Yes	Yes
35	TUR-2022/AUT/184	TR21900087-HA01	97	15120	Yes	Yes	Yes
36	TUR-2022/AUT/184	TR22900016-CG01-HA02	74	15200	Yes	Yes	Yes
37	TUR-2022/AUT/184	TR22900074-CG01-HA09	56	19990	Yes	Yes	Yes
38	TUR-2022/AUT/184	TR21900106-HA01	263	45904	Yes	Yes	Yes
39	TUR-2022/AUT/184	TR22900074-CG01-HA010	22	6570	Yes	Yes	Yes
40	TUR-2022/AUT/184	TR21900080-CG01-MC01-HA01	53	8294	Yes	Yes	Yes
40	TUR-2022/AUT/184	TR21900082-HA01	62	7763	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
40	TUR-2022/AUT/184	TR21900117-MC01-HA01	220	42146	Yes	Yes	Yes
41	TUR-2022/AUT/184	TR21900107-HA02	269	45929	Yes	Yes	Yes
42	TUR-2022/AUT/184	TR22900074-CG01-HA011	33	9481	Yes	Yes	Yes
43	TUR-2022/AUT/184	TR21900082-HA02	223	40073	Yes	Yes	Yes
44	TUR-2022/AUT/184	TR22900074-CG01-HA012	38	12672	Yes	Yes	Yes
45	TUR-2022/AUT/184	TR21900055-HA03	212	37131	Yes	Yes	Yes
46	TUR-2022/AUT/184	TR22900036-CG01-HA02	53	9469	Yes	Yes	Yes
47	TUR-2022/AUT/184	TR22900074-CG01-HA013	32	12212	Yes	Yes	Yes

* Harvest operation as per Table 18.
National authorities provided one harvest authorisation covering all harvests.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	6	6	0	0
2	12	12	0	0
3	11	11	0	0
4	7	7	0	0
5	12	12	0	0
6	6	6	0	0
7	11	11	0	0
8	10	10	0	0
9	12	12	0	0
10	5	5	0	0
11	3	3	0	0
12	6	6	0	0
13	7	7	0	0
14	9	9	0	0
15	6	6	0	0
16	22	22	0	0
17	23	23	0	0
18	3	3	0	0
19	4	4	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	22	22	0	0
21	2	2	0	0
22	19	19	0	0
23	5	5	0	0
24	8	8	0	0
25	3	3	0	0
26	6	6	0	0
27	10	10	0	0
28	12	12	0	0
29	9	9	0	0
30	5	5	0	0
31	11	11	0	0
32	7	7	0	0
33	10	10	0	0
34	7	7	0	0
35	14	14	0	0
36	9	9	0	0
37	6	6	0	0
38	26	26	0	0
39	3	3	0	0
40	34	34	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	25	25	0	0
42	4	4	0	0
43	19	19	0	0
44	4	4	0	0
45	20	20	0	0
46	6	6	0	0
47	4	4	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		Türkiye		Farm	No	
		Türkiye		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report.

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0737</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	Satılmış DEMIRCI
Observer ICCAT ID No	110
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	19/11/2022		Video conference
Date of Mobilisation	20/11/2022		
Arrival to Port / Farm	20/11/2022		Izmir, Türkiye
Request Dates	21/11/2022	24/12/2022	
Deployment Period	21/11/2022	24/12/2022	
Departure from Port / Farm	25/12/2022		Izmir, Türkiye
Return Home	25/12/2022		
Debriefing	27/12/2022		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-001	1410	208069	TR21900204-G
TUR-XXX-2021-002	2726	366206	TR21900205-G
TUR-XXX-2021-003	2485	346525	TR21900206-G
TUR-XXX-2021-008	1807	289162	TR21900203-G
TUR-XXX-2022-001	2020	140632	TR22900114-G
TUR-XXX-2022-002	2582	189325	TR22900118-G
TUR-XXX-2022-003	2715	198789	TR22900117-G
TUR-XXX-2022-007	2028	183723	TR22900113-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations performed during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations performed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	22/11/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
2	24/11/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
3	25/11/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
4	26/11/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		
5	27/11/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		
6	28/11/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		
7	29/11/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
8	30/11/2022	Bulk Harvest	TUR-XXX-2021-001	Yes	Yes		
9	01/12/2022	Bulk Harvest	TUR-XXX-2021-001	Yes	Yes		
10	01/12/2022	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
11	02/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
12	02/12/2022	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
13	04/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
14	05/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
15	06/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
16	07/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
17	07/12/2022	Bulk Harvest	TUR-XXX-2021-001	Yes	Yes		
18	08/12/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	08/12/2022	Bulk Harvest	TUR-XXX-2021-001	Yes	Yes		
20	09/12/2022	Bulk Harvest	TUR-XXX-2021-001	Yes	Yes		
21	09/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
22	10/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
23	12/12/2022	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
24	12/12/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
25	13/12/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		
26	13/12/2022	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
27	14/12/2022	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
28	14/12/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
29	15/12/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
30	15/12/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
31	16/12/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
32	16/12/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
33	17/12/2022	Bulk Harvest	TUR-XXX-2021-008	Yes	Yes		
34	17/12/2022	Bulk Harvest	TUR-XXX-2021-002	Yes	Yes		
35	17/12/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
36	18/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
37	18/12/2022	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
38	19/12/2022	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	19/12/2022	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	544	63167	544	63167
2	568	61677	568	61677
3	421	61689	421	61689
4	382	63878	382	63878
5	408	60301	408	60301
6	252	65708	252	65708
7	258	63176	258	63176
8	401	59169	401	59169
9	389	55120	389	55120
10	98	6345	98	6345
11	322	38524	322	38524
12	104	6235	104	6234
13	536	60470	536	60470

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
14	497	64424	497	64424
15	516	58415	516	58415
16	196	22211	196	22211
17	373	32563	373	32563
18	329	38121	329	38121
19	170	19063	170	19063
20	177	47261	177	47261
21	66	17357	66	17357
22	254	64063	254	64063
23	98	30581	98	30581
24	148	31574	148	31574
25	110	30117	110	30117
26	126	32558	126	32558
27	202	55211	202	55211
28	48	10502	48	10502
29	387	47052	387	47052
30	90	8120	90	8120
31	209	24056	209	24056
32	148	9112	148	9112

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
33	326	37453	326	37453
34	191	22222	191	22222
35	49	8261	49	8261
36	128	31571	128	31571
37	299	31184	299	31184
38	81	22219	81	22219
39	204	53649	204	53649

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2022/AUT/183	TR21900205-G-MC01-HA01	544	63167	Yes	Yes	Yes
2	TUR-2022/AUT/183	TR21900205-G-MC01-HA02	568	61677	Yes	Yes	Yes
3	TUR-2022/AUT/183	TR21900205-G-MC01-HA03	421	61689	Yes	Yes	Yes
4	TUR-2022/AUT/183	TR21900203-G-MC01-HA01	382	63878	Yes	Yes	Yes
5	TUR-2022/AUT/183	TR21900203-G-MC01-HA02	408	60301	Yes	Yes	Yes
6	TUR-2022/AUT/183	TR21900203-G-MC01-HA03	252	65708	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
7	TUR-2022/AUT/183	TR21900205-G-MC01-HA04	258	63176	Yes	Yes	Yes
8	TUR-2022/AUT/183	TR21900204-G-MC01-HA01	401	59169	Yes	Yes	Yes
9	TUR-2022/AUT/183	TR21900204-G-MC01-HA02	389	55120	Yes	Yes	Yes
10	TUR-2022/AUT/183	TR22900113-G-HA01	98	6345	Yes	Yes	Yes
11	TUR-2022/AUT/183	TR21900206-G-MC01-HA01	322	38524	Yes	Yes	Yes
12	TUR-2022/AUT/183	TR22900113-G-HA02	104	6235	Yes	Yes	Yes
13	TUR-2022/AUT/183	TR21900206-G-MC01-HA02	536	60470	Yes	Yes	Yes
14	TUR-2022/AUT/183	TR21900206-G-MC01-HA03	497	64424	Yes	Yes	Yes
15	TUR-2022/AUT/183	TR21900206-G-MC01-HA04	516	58415	Yes	Yes	Yes
16	TUR-2022/AUT/183	TR21900206-G-MC01-HA05	196	22211	Yes	Yes	Yes
17	TUR-2022/AUT/183	TR21900204-G-MC01-HA03	373	32563	Yes	Yes	Yes
18	TUR-2022/AUT/183	TR21900203-G-MC01-HA04	329	38121	Yes	Yes	Yes
19	TUR-2022/AUT/183	TR21900204-G-MC01-HA04	170	19063	Yes	Yes	Yes
20	TUR-2022/AUT/183	TR21900204-G-MC01-HA05	177	47261	Yes	Yes	Yes
21	TUR-2022/AUT/183	TR21900206-G-M01-HA06	66	17357	Yes	Yes	Yes
22	TUR-2022/AUT/183	TR21900206-MC01-HA07	254	64063	Yes	Yes	Yes
23	TUR-2022/AUT/183	TR21900206-G-MC01-HA08	98	30581	Yes	Yes	Yes
24	TUR-2022/AUT/183	TR21900205-G-MC01-HA05	148	31574	Yes	Yes	Yes
25	TUR-2022-/AUT/183	TR21900203-G-MC01-HA05	110	30117	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
26	TUR-2022/AUT/183	TR22900113-G-HA03	126	32558	Yes	Yes	Yes
27	TUR-2022/AUT/183	TR22900113-G-HA04	202	55211	Yes	Yes	Yes
28	TUR-2022/AUT/183	TR22900114-G-HA01	48	10502	Yes	Yes	Yes
29	TUR-2022/AUT/183	TR21900205-G-MC01-HA06	387	47052	Yes	Yes	Yes
30	TYR-2022/AUT/183	TR22900114-G-HA02	90	8120	Yes	Yes	Yes
31	TUR-2022/AUT/183	TR21900205-G-MC01-HA07	209	24056	Yes	Yes	Yes
32	TUR-2022/AUT/183	TR22900114-G-HA003	148	9112	Yes	Yes	Yes
33	TUR-2022/AUT/183	TR21900203-G-MC01-HA06	326	37453	Yes	Yes	Yes
34	TUR-2022/AUT/183	TR21900205-G-MC01-HA08	191	22222	Yes	Yes	Yes
35	TUR-2022/AUT/183	TR22900114-G-HA04	49	8261	Yes	Yes	Yes
36	TUR-2022/AUT/183	TR22900117-G-HA01	128	31571	Yes	Yes	Yes
37	TUR-2022/AUT/183	TR22900114-G-HA05	299	31184	Yes	Yes	Yes
38	TUR-2022/AUT/183	TR22900117-G-HA03	81	22219	Yes	Yes	Yes
39	TUR-2022/AUT/183	TR22900118-G-HA01	204	53649	Yes	Yes	Yes

* Harvest operation as per Table 18.
National authorities provided one harvest authorisation covering all Harvests.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	N/A
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	97	97	0	0
2	118	118	0	0
3	122	122	0	0
4	140	140	0	0
5	115	115	0	0
6	87	87	0	0
7	90	90	0	1
8	133	133	0	0
9	116	116	0	0
10	30	30	0	0
11	87	87	0	0
12	42	42	0	0
13	135	135	0	0
14	134	134	0	0
15	118	118	0	0
16	52	52	0	0
17	80	80	0	1
18	99	99	0	0
19	49	49	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	62	62	0	0
21	19	19	0	0
22	85	85	0	0
23	31	31	0	0
24	59	59	0	0
25	30	30	0	2
26	41	41	0	1
27	57	57	0	0
28	16	16	0	0
29	80	80	0	0
30	32	32	0	0
31	81	81	0	0
32	46	46	0	0
33	62	62	0	0
34	52	52	0	0
35	14	14	0	0
36	55	55	0	0
37	89	89	0	0
38	25	25	0	1
39	78	78	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Biological sample Collected (Yes / No)	Sample type
7	Single spaghetti tag	BF 3188655	238	219	222.5	Whole	No	N/A
17	Single spaghetti tag	HM 102790	225		202	Whole	No	N/A
25	Single spaghetti tag	BF 520484	240		268	Whole	No	N/A
25	Single spaghetti tag	BYP 057190	247		252	Whole	No	N/A
26	Electronic PIT tag	LTD 2310	270		385	Whole	No	N/A
38	Single spaghetti tag	BYP 077955	268	252	339	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Farm	No	Transfer fish from cage to the carrier
		Türkiye		Farm	No	
		Japan		Carrier	No	
		Türkiye		Farm	No	Transfer fish from cage to the carrier

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0738</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Marcelo Traquina
Observer ICCAT ID No	883
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	16/11/2022		Sintra, Portugal
Date of mobilisation	20/11/2022		
Arrival to port / farm	21/11/2022		San Pedro del Pinatar, Spain
Request dates	21/11/2022	19/02/2023	
Deployment period	21/11/2022	19/02/2023	
Departure from port / farm	20/02/2023		San Pedro del Pinatar, Spain
Return home	20/02/2023		
Debriefing	23/02/2023		Sintra, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP002	0		ES22901465-MC01
ESP002	0		ES22901500-CG01
ESP002	74		IT22900961-LT01-MC01
ESP002	216		IT22900980
ESP002	90		IT22901018-CG01-MC01
ESP002	290		IT22901022-MC01
ESP004	0		ES22901552-CG02
ESP004	234		IT22901018-CG02
ESP005	0		ES22901497
ESP005	185		IT22900978-CG01
ESP024	0		ES22901494-LT01
ESP024	44		ES22901498-CG01-MC01
ESP024	78		FR22900749-MC01
ESP024	90		FR22900774-CG01-MC01
ESP024	125		FR22900777-CG01-MC01
ESP024	611		FR22900777-CG02-MC01
ESP026	4		ES22901519-CG01
ESP026	956		FR22900797
ESP029	25		ES22901504-MC01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP029	389		FR22900777-CG03-MC01
ESP029	431		FR22900777-CG04
ESP029	152		FR22900784-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	21/11/2022	Fresh Export	ESP002	Yes	Yes		
2	21/11/2022	Bulk Harvest	ESP026	Yes	Yes		
3	24/11/2022	Fresh Export	ESP002	Yes	Yes		
4	28/11/2022	Fresh Export	ESP002	Yes	Yes		
5	01/12/2022	Fresh Export	ESP002	Yes	Yes		
6	03/12/2022	Bulk Harvest	ESP024	Yes	Yes		
7	05/12/2022	Fresh Export	ESP005	Yes	Yes		
8	06/12/2022	Bulk Harvest	ESP024	Yes	Yes		
9	07/12/2022	Fresh Export	ESP002	Yes	Yes		
10	08/12/2022	Bulk Harvest	ESP029	Yes	Yes		
11	09/12/2022	Fresh Export	ESP002	Yes	Yes		
12	09/12/2022	Bulk Harvest	ESP026	Yes	Yes		
13	10/12/2022	Bulk Harvest	ESP026	Yes	Yes		
14	11/12/2022	Bulk Harvest	ESP026	Yes	Yes		
15	12/12/2022	Fresh Export	ESP002	Yes	Yes		
16	12/12/2022	Bulk Harvest	ESP026	Yes	Yes		
17	13/12/2022	Bulk Harvest	ESP026	Yes	Yes		
18	13/12/2022	Incidental / Natural Mortality	ESP029	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	14/12/2022	Bulk Harvest	ESP026	Yes	Yes		
20	15/12/2022	Fresh Export	ESP002	Yes	Yes		
21	16/12/2022	Bulk Harvest	ESP026	Yes	Yes		
22	16/12/2022	Fresh Export	ESP026	Yes	Yes		
23	17/12/2022	Bulk Harvest	ESP026	Yes	Yes		
24	18/12/2022	Bulk Harvest	ESP026	Yes	Yes		
25	19/12/2022	Fresh Export	ESP002	Yes	Yes		
26	22/12/2022	Fresh Export	ESP002	Yes	Yes		
27	26/12/2022	Fresh Export	ESP026	Yes	Yes		
28	29/12/2022	Fresh Export	ESP002	Yes	Yes		
29	03/01/2023	Fresh Export	ESP026	Yes	Yes		
30	05/01/2023	Fresh Export	ESP026	Yes	Yes		
31	09/01/2023	Fresh Export	ESP026	Yes	Yes		
32	11/01/2023	Fresh Export	ESP026	Yes	Yes		
33	13/01/2023	Fresh Export	ESP026	Yes	Yes		
34	16/01/2023	Fresh Export	ESP026	Yes	Yes		
35	16/01/2023	Fresh Export	ESP002	Yes	Yes		
36	19/01/2023	Fresh Export	ESP026	Yes	Yes		
37	19/01/2023	Fresh Export	ESP002	Yes	Yes		
38	20/01/2023	Fresh Export	ESP026	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	23/01/2023	Fresh Export	ESP026	Yes	Yes		
40	23/01/2023	Fresh Export	ESP002	Yes	Yes		
41	26/01/2023	Fresh Export	ESP026	Yes	Yes		
42	26/01/2023	Fresh Export	ESP002	Yes	Yes		
43	30/01/2023	Fresh Export	ESP002	Yes	Yes		
44	02/02/2023	Fresh Export	ESP002	Yes	Yes		
45	06/02/2023	Fresh Export	ESP002	Yes	Yes		
46	08/02/2023	Fresh Export	ESP002	Yes	Yes		
47	13/02/2023	Fresh Export	ESP002	Yes	Yes		
48	16/02/2023	Fresh Export	ESP002	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	67	13995	67	13995
2	146	49558	146	49558
3	38	8315	38	8315
4	68	14400	68	14400

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
5	52	9432	52	9432
6	210	58948	210	58948
7	52	12945	52	12945
8	175	41296	175	41296
9	22	6387	22	6387
10	130	43103	130	43103
11	27	7313	27	7313
12	137	44545	137	44545
13	141	43395	141	43395
14	164	45487	164	45487
15	80	20324	80	20324
16	143	43340	143	43340
17	114	25588	114	25588
18	1	297	1	297
19	211	55289	211	55289
20	33	8274	33	8274
21	213	46303	213	46303
22	1	217	1	217
23	234	43093	234	43093

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
24	84	12617	84	12617
25	84	19704	84	19704
26	35	7782	35	7782
27	71	16830	71	16830
28	41	7175	41	7175
29	56	12888	56	12888
30	36	9119	36	9119
31	79	17593	79	17593
32	38	7085	38	7085
33	28	6521	28	6521
34	74	18675	74	18675
35	26	2719	26	2719
36	44	11700	44	11700
37	22	2026	22	2026
38	1	284	1	284
39	63	14678	63	14678
40	16	1448	16	1448
41	29	5308	29	5308
42	40	3772	40	3772

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
43	53	4837	53	4757
44	28	2572	28	2572
45	30	2584	30	2584
46	27	2122	27	2122
47	26	2056	26	2056
48	27	2150	27	2150

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/176/DSDT	IT22900961-LT01-MC01-HA02	25	6671	Yes	Yes	Yes
1	EU-ESP-2022/176/DSDT	IT22901018-CG01-MC01-HA03	42	7324	Yes	Yes	Yes
2	EU-ESP-2022/174/DSDT	ES22901519-CG01-HA07	4	1148	Yes	Yes	Yes
2	EU-ESP-2022/174/DSDT EU-ESP-2022/175/DSDT	FR22900797-HA01	142	31898	Yes	Yes	Yes
3	EU-ESP-2022/177/DSDT	IT22900961-LT01-MC01-HA03	23	5519	Yes	Yes	Yes
3	EU-ESP-2022/177/DSDT	IT22901018-CG01-MC01-HA04	15	2796	Yes	Yes	Yes
4	EU-ESP-2022/178/DSDT	IT22900961-LT01-MC01-HA04	26	5947	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
4	EU-ESP-2022/178/DSDT	IT22901018-CG01-MC01-HA05	31	6863	Yes	Yes	Yes
4	EU-ESP-2022/178/DSDT	IT22901022-MC01-HA01	11	1590	Yes	Yes	Yes
5	EU-ESP-2022/179/DSDT	IT22900980-HA011	23	3217	Yes	Yes	Yes
5	EU-ESP-2022/179/DSDT	IT22901022-MC01-HA02	29	6215	Yes	Yes	Yes
6	EU-ESP-2022/180/DSDT EU-ESP-2022/181/DSDT	FR22900774-CG01-MC01-HA01	41	7776	Yes	Yes	Yes
6	EU-ESP-2022/180/DSDT EU-ESP-2022/181/DSDT	FR22900777-CG02-MC01-HA01	169	51172	Yes	Yes	Yes
7	EU-ESP-2022/182/DSDT	IT22900978-CG01-HA07	52	12945	Yes	Yes	Yes
8	EU-ESP-2022/183/DSDT EU-ESP-2022/184/DSDT	ES22901498-CG01-MC01	44	11641	Yes	Yes	Yes
8	EU-ESP-2022/183/DSDT EU-ESP-2022/184/DSDT	FR22900749-MC01-HA01	34	11644	Yes	Yes	Yes
8	EU-ESP-2022/183/DSDT EU-ESP-2022/184/DSDT	FR22900774-CG01-MC01-HA02	49	9290	Yes	Yes	Yes
8	EU-ESP-2022/183/DSDT EU-ESP-2022/184/DSDT	FR22900777-CG01-MC01-HA01	48	8721	Yes	Yes	Yes
9	EU-ESP-2022/185/DSDT	IT22901018-CG02-MC01-HA01	22	6387	Yes	Yes	Yes
10	EU-ESP-2022/186/DSDT	FR22900777-CG03-MC01-HA01	34	10753	Yes	Yes	Yes
10	EU-ESP-2022/186/DSDT EU-ESP-2022/187/DSDT	FR22900777-CG04-HA06	96	32350	Yes	Yes	Yes
11	EU-ESP-2022/188/DSDT	IT22900978-CG01-MC01-HA01	17	5379	Yes	Yes	Yes
11	EU-ESP-2022/188/DSDT	IT22901018-CG02-MC01-HA02	10	1934	Yes	Yes	Yes
12	EU-ESP-2022/189/DSDT EU-ESP-2022/190/DSDT	FR22900777-CG01-MC01-MC01-HA01	51	18229	Yes	Yes	Yes
12	EU-ESP-2022/189/DSDT EU-ESP-2022/190/DSDT	FR22900777-CG02-MC01-MC01-HA01	86	26316	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
13	EU-ESP-2022/191/DSDT	FR22900749-MC01-MC01-HA01	43	14789	Yes	Yes	Yes
13	EU-ESP-2022/191/DSDT EU-ESP-2022/192/DSDT	FR22900777-CG02-MC01-MC01-HA02	98	28606	Yes	Yes	Yes
14	EU-ESP-2022/193/DSDT	FR22900777-CG01-MC01-MC01-HA02	22	7571	Yes	Yes	Yes
14	EU-ESP-2022/193/DSDT EU-ESP-2022/194/DSDT	FR22900777-CG02-MC01-MC01-HA03	142	37916	Yes	Yes	Yes
15	EU-ESP-2022/197/DSDT	IT22900980-HA012	80	20324	Yes	Yes	Yes
16	EU-ESP-2022/195/DSDT	FR22900749-MC01-MC01-HA02	1	302	Yes	Yes	Yes
16	EU-ESP-2022/195/DSDT EU-ESP-2022/196/DSDT	FR22900777-CG02-MC01-MC01-HA04	116	29786	Yes	Yes	Yes
16	EU-ESP-2022/195/DSDT EU-ESP-2022/196/DSDT	FR22900797-MC01-HA01	42	11585	Yes	Yes	Yes
16	EU-ESP-2022/196/DSDT	FR22900777-CG01-MC01-MC01-HA03	4	1667	Yes	Yes	Yes
17	EU-ESP-2022/198/DSDT	FR22900797-MC01-HA02	114	25588	Yes	Yes	Yes
18	EU-ESP-2022/199/DSDT	FR22900777-CG04-HA07	1	297	Yes	No	No
19	EU-ESP-2022/200/DSDT EU-ESP-2022/201/DSDT	FR22900777-CG03-MC01-MC01-HA01	55	7024	Yes	Yes	Yes
19	EU-ESP-2022/200/DSDT EU-ESP-2022/201/DSDT	FR22900797-MC01-HA03	159	48265	Yes	Yes	Yes
20	EU-ESP-2022/202/DSDT	IT22900980-HA013	33	8274	Yes	Yes	Yes
21	EU-ESP-2022/204/DSDT EU-ESP-2022/205/DSDT	FR22900797-MC01-HA05	213	46303	Yes	Yes	Yes
22	EU-ESP-2022/203/DSDT	FR22900797-MC01-HA04	1	217	Yes	Yes	Yes
23	EU-ESP-2022/206/DSDT EU-ESP-2022/207/DSDT	FR22900777-CG03-MC01-MC01-HA02	66	9281	Yes	Yes	Yes
23	EU-ESP-2022/206/DSDT EU-ESP-2022/207/DSDT	FR22900797-MC01-HA06	168	33812	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
24	EU-ESP-2022/208/DSDT EU-ESP-2022/209/DSDT	FR22900777-CG04-MC01-HA01	84	12617	Yes	Yes	Yes
25	EU-ESP-2022/210/DSDT	IT22900980-HA014	80	19359	Yes	Yes	Yes
25	EU-ESP-2022/210/DSDT	IT22901018-CG01-MC01-HA06	2	205	Yes	Yes	Yes
25	EU-ESP-2022/210/DSDT	IT22901018-CG02-MC01-HA03	2	140	Yes	Yes	Yes
26	EU-ESP-2022/211/DSDT	IT22900978-CG01-MC01-HA02	35	7782	Yes	Yes	Yes
27	EU-ESP-2022/212/DSDT	FR22900777-CG03-MC01-MC01-HA03	39	8869	Yes	Yes	Yes
27	EU-ESP-2022/212/DSDT	FR22900797-MC01-HA07	32	7961	Yes	Yes	Yes
28	EU-ESP-2022/213/DSDT	IT22901018-CG02-MC01-HA04	22	4152	Yes	Yes	Yes
28	EU-ESP-2022/213/DSDT	IT22901022-MC01-HA03	19	3023	Yes	Yes	Yes
29	EU-ESP-2022/214/DSDT	FR22900784-MC01-HA01	27	5255	Yes	Yes	Yes
29	EU-ESP-2022/214/DSDT	FR22900797-MC01-HA08	29	7633	Yes	Yes	Yes
30	EU-ESP-2022/215/DSDT	FR22900777-CG03-MC01-MC01-HA04	15	3746	Yes	Yes	Yes
30	EU-ESP-2022/215/DSDT	FR22900797-MC01-HA09	21	5373	Yes	Yes	Yes
31	EU-ESP-2022/216/DSDT	FR22900777-CG04-MC01-HA02	38	10057	Yes	Yes	Yes
31	EU-ESP-2022/216/DSDT	FR22900784-MC01-HA02	41	7536	Yes	Yes	Yes
32	EU-ESP-2022/217/DSDT	FR22900777-CG04-MC01-HA03	38	7085	Yes	Yes	Yes
33	EU-ESP-2022/218/DSDT	FR22900777-CG03-MC01-MC01-HA05	28	6521	Yes	Yes	Yes
34	EU-ESP-2022/219/DSDT	FR22900784-MC01-HA03	36	8894	Yes	Yes	Yes
34	EU-ESP-2022/219/DSDT	FR22900797-MC01-HA010	38	9781	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
35	EU-ESP-2022/220/DSDT	IT22901018-CG02-MC01-HA05	26	2719	Yes	Yes	Yes
36	EU-ESP-2022/221/DSDT	FR22900777-CG03-MC01-MC01-HA06	22	6182	Yes	Yes	Yes
36	EU-ESP-2022/221/DSDT	FR22900777-CG04-MC01-HA04	22	5518	Yes	Yes	Yes
37	EU-ESP-2022/222/DSDT	IT22901018-CG02-MC01-HA06	22	2026	Yes	Yes	Yes
38	EU-ESP-2022/223/DSDT	ES22901504-MC01-HA01	1	284	Yes	Yes	Yes
39	EU-ESP-2022/224/DSDT	FR22900777-CG03-MC01-MC01-HA07	27	6312	Yes	Yes	Yes
39	EU-ESP-2022/224/DSDT	FR22900777-CG04-MC01-HA05	36	8366	Yes	Yes	Yes
40	EU-ESP-2022/225/DSDT	IT22901018-CG02-MC01-HA07	16	1448	Yes	Yes	Yes
41	EU-ESP-2022/226/DSDT	FR22900784-MC01-HA04	29	5308	Yes	Yes	Yes
42	EU-ESP-2022/227/DSDT	IT22901022-MC01-HA04	40	3772	Yes	Yes	Yes
43	EU-ESP-2022/228/DSDT	IT22901018-CG02-MC01-HA08	53	4757	Yes	Yes	Yes
44	EU-ESP-2022/229/DSDT	IT22900978-CG01-MC01-HA03	28	2572	Yes	Yes	Yes
45	EU-ESP-2022/230/DSDT	IT22901018-CG02-MC01-HA09	30	2584	Yes	Yes	Yes
46	EU-ESP-2022/231/DSDT	IT22901018-CG02-MC01-HA010	27	2122	Yes	Yes	Yes
47	EU-ESP-2022/232/DSDT	IT22900978-CG01-MC01-HA04	26	2056	Yes	Yes	Yes
48	EU-ESP-2022/233/DSDT	IT22900978-CG01-MC01-HA05	27	2150	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	60	66	0	0
2	34	146	0	0
3	38	38	0	0
4	68	68	0	0
5	52	52	0	0
6	58	210	0	0
7	52	52	0	0
8	48	175	0	0
9	22	22	0	0
10	28	127	0	0
11	27	27	0	0
12	35	137	0	0
13	37	141	0	0
14	38	164	0	0
15	80	80	0	0
16	48	163	0	0
17	24	114	0	0
18	1	1	0	0
19	46	211	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	33	33	0	0
21	49	213	0	0
22	1	1	0	0
23	49	46	0	0
24	14	14	0	0
25	84	84	0	0
26	35	35	0	0
27	71	71	1	1
28	41	41	0	0
29	56	56	0	0
30	36	36	0	0
31	79	79	0	0
32	38	38	0	0
33	28	28	0	0
34	74	74	0	0
35	26	26	0	0
36	44	44	0	0
37	21	21	0	0
38	1	1	0	0
39	63	63	0	0
40	16	16	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	29	29	0	0
43	52	52	0	0
44	28	28	0	0
45	30	30	0	0
46	27	27	0	0
47	26	26	0	0
48	27	27	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
27	Single spaghetti tag	BYP018797	237	CFL	233	Whole	Yes	Fin Clip

* Harvest operation as per Table 18.

The sample was sent to Azti in accordance with instructions from GBYP.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings*Table 24. Summary of vessel sightings*

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		Panama		Carrier	No	
		EU.España		Support	No	
		EU.Portugal		Support	No	
		EU.España		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001AL0740	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Albania
Farm Operating Company	
Observer Name	Moris Gojanovic
Observer ICCAT ID No	788
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	25/11/2022		Split
Date of mobilisation	25/11/2022		
Arrival to port / farm	26/11/2022		Saranda/XXX
Request dates	27/11/2022	10/12/2022	
Deployment period	27/11/2022	06/12/2022*	Harvest activities concluded before the scheduled end date
Departure from port / farm	05/12/2022		TIRANA/XXX
Return home	07/12/2022		
Debriefing	09/12/2022		REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ALB005	1242	168152,269	AL22900006-G-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	28/11/2022	Bulk Harvest	ALB005	Yes	Yes		
2	29/11/2022	Bulk Harvest	ALB005	Yes	Yes		
3	30/11/2022	Bulk Harvest	ALB005	Yes	Yes		
4	02/12/2022	Bulk Harvest	ALB005	Yes	Yes		
5	03/12/2022	Bulk Harvest	ALB005	Yes	Yes		
6	04/12/2022	Bulk Harvest	ALB005	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	196	40701	196	40605
2	212	46275	212	46279
3	231	52493	231	52391
4	240	47071	240	47071
5	218	45734	218	45734
6	145	35071	145	35071

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	1	AL22900006-G-CG01-HA01	196	40605	Yes	Yes	Yes
2	2	AL22900006-G-CG01-HA02	212	46279	Yes	Yes	Yes
3	3	AL22900006-G-CG01-HA03	231	52391	Yes	Yes	Yes
4	4	AL22900006-G-CG01-HA04	240	47071	Yes	Yes	Yes
5	5	AL22900006-G-CG01-HA05	218	45734	Yes	Yes	Yes
6	6	AL22900006-G-CG01-HA06	145	35071	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	20	20	0	2
2	22	22	0	0
3	24	24	0	0
4	25	25	0	0
5	22	22	0	2
6	19	19	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
1	Single spaghetti tag	BF525149	246	N/A	242	Whole	No	N/A
1	Single spaghetti tag	BYP083673	215	N/A	153	Whole	No	N/A
5	Single spaghetti tag	BF524978	241	N/A	234	Whole	No	N/A
5	Single spaghetti tag	BYP009251	244	N/A	263	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	N/A
		Albania		Farm	No	N/A
		Albania		Farm	No	N/A
		Albania		Farm	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0742	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Croatia
Farm Operating Company	
Observer Name	MARTIN BELLO CANDAMIO
Observer ICCAT ID No	389
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/12/2022		ONLINE
Date of mobilisation	26/12/2022		A CORUNA - ZAGREB
Arrival to port / farm	27/12/2022		ZAGREB/ZADAR/XXX
Request dates	27/12/2022	14/02/2023	
Deployment period	27/12/2022	14/02/2023	
Departure from port / farm	15/02/2023		ZAGREB/XXX
Return home	16/02/2023		
Debriefing	15/02/2023		PARIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV008003	2559	127950	HR21900289-G-MC01
HRV008002	2409	120450	HR21900241-G-MC02
HRV008004	2411	120550	HR21900241-G
HRV008005	2560	128000	HR21900289-G
HRV008006	2584	129200	HR21900241-G-MC01
HRV008007	1925	96250	HR21900299-G
HRV008011	1843	92150	HR21900290-G-LT03-MC01 / HR21900298-G-MC01
HRV008012	2000	100000	HR21900290-G-LT03-MC02 / HR21900298-G-MC02
HRV008015	1929	96450	HR21900299-G-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	HRV/2023/REL/001	11/02/2023	10:27	HRV008012	HRV008010		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	4	Yes	28	1400,42	HR21900290-G-LT03-MC02	97
1	Yes	4	Yes	66	3267,66	HR21900298-G-MC02	97

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1	Harvest	11/02/2023	16:00			EUHRV010	Yes	YES	YES	YES

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
 There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	27/12/2022	Bulk Harvest	HRV008012	Yes	Yes		
2	28/12/2022	Bulk Harvest	HRV008012	Yes	Yes		
3	28/12/2022	Bulk Harvest	HRV008004	Yes	Yes		
4	29/12/2022	Bulk Harvest	HRV008004	Yes	Yes		
5	30/12/2022	Bulk Harvest	HRV008004	Yes	Yes		
6	02/01/2023	Bulk Harvest	HRV0080011	Yes	Yes		
7	03/01/2023	Bulk Harvest	HRV0080011	Yes	Yes		
8	04/01/2023	Bulk Harvest	HRV008015	Yes	Yes		
9	05/01/2023	Bulk Harvest	HRV008015	Yes	Yes		
10	07/01/2023	Bulk Harvest	HRV008007	Yes	Yes		
11	08/01/2023	Bulk Harvest	HRV008007	Yes	Yes		
12	10/01/2023	Bulk Harvest	HRV008005	Yes	Yes		
13	11/01/2023	Bulk Harvest	HRV008005	Yes	Yes		
14	12/01/2023	Bulk Harvest	HRV008005	Yes	Yes		
15	12/01/2023	Bulk Harvest	HRV008003	Yes	Yes		
16	13/01/2023	Bulk Harvest	HRV008003	Yes	Yes		
17	14/01/2023	Bulk Harvest	HRV008003	Yes	Yes		
18	14/01/2023	Bulk Harvest	HRV008006	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	15/01/2023	Bulk Harvest	HRV008006	Yes	Yes		
20	15/01/2023	Bulk Harvest	HRV008006	Yes	Yes		
21	16/01/2023	Bulk Harvest	HRV008006	Yes	Yes		
22	16/01/2023	Bulk Harvest	HRV008006	Yes	Yes		
23	17/01/2023	Bulk Harvest	HRV008002	Yes	Yes		
24	18/01/2023	Bulk Harvest	HRV008002	Yes	Yes		
25	18/01/2023	Bulk Harvest	HRV008002	Yes	Yes		
26	19/01/2023	Bulk Harvest	HRV008002	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	1123	55670	1123	55735,5
2	877	43589	877	43591
3	268	13324,5	268	13346,5
4	1139	56977	1139	56983
5	770	38409	770	38390
6	1083	54719	1083	54720,5
7	705	34826	705	34881,5

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
8	973	49536,5	973	49543,5
9	956	47926	953	47920,5
10	1082	57417,5	1082	57045,5
11	807	42158,5	807	42173
12	1142	55647,5	1142	55675
13	1095	52556	1095	52510
14	323	15397	323	15411,5
15	699	33395,5	699	33395
16	1147	54794	1147	54816
17	713	34329	713	34233
18	170	8232	170	8205
19	859	42066	859	41922
20	370	17365	370	17416
21	783	38001	783	37895
22	289	14347	289	14398,5
23	744	36435	744	36329
24	864	42212	864	42097
25	305	14529	305	14543,5
26	466	22468	466	22407

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	HRV2022DEC6031-01	HR21000290-G-LT03-MC02	382	18642	Yes	Yes	Yes
1	HRV2022DEC6031-01	HR21900298-G-MC02	741	37093,5	Yes	Yes	Yes
2	HRV2022DEC6031-02	HR21000290-G-LT03-MC02	218	11367	Yes	Yes	Yes
2	HRV2022DEC6031-02	HR21900298-G-MC02	659	32224,5	Yes	Yes	Yes
3	HRV2022DEC6029-01	HR21900241-G	268	1346,5	Yes	Yes	Yes
4	HRV2022DEC6029-02	HR21900241-G	1139	56983	Yes	Yes	Yes
5	HRV2022DEC6029-03	HR21900241-G	770	38390,5	Yes	Yes	Yes
6	HRV2022DEC6035-02	HR21900290-G-LT3-MC01	166	8695,5	Yes	Yes	Yes
6	HRV2022DEC6035-02	HR21900298-G-MC01	539	26183	Yes	Yes	Yes
7	HRV2022DEC6035-02	HR21900290-G-LT3-MC01	166	8695,5	Yes	Yes	Yes
7	HRV2022DEC6035-02	HR21900298-G-MC01	539	26183	Yes	Yes	Yes
8	HRV2022DEC6032-02	HR21900299-G-MC01	956	47920	Yes	Yes	Yes
9	HRV2022DEC6032-02	HR21900299-G-MC01	956	47920	Yes	Yes	Yes
10	HRV2023DEC6036-01	HR21900299-G	1082	57042,5	Yes	Yes	Yes
11	HRV2023DEC6036-02	HR21900299-G	807	42173	Yes	Yes	Yes
12	HRV2023DEC6037-02	HR21900289-G-HA01	1095	52510	Yes	Yes	Yes
13	HRV2023DEC6037-02	HR21900289-G-HA01	1095	52510	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
14	HRV2023DEC6037-03	HR21900289-G	323	15411,5	Yes	Yes	Yes
15	HRV2023DEC6038-01	HR21900289-G-MC01-HA01	699	33395	Yes	Yes	Yes
16	HRV2023DEC6038-02	HR21900289-G-MC01-HA01	1147	54816	Yes	Yes	Yes
17	HRV2023DEC6038-03	HR21900289-G-MC01-HA01	713	34233	Yes	Yes	Yes
18	HRV2023DEC6039-01	HR21900241-G-MC01	170	34233	Yes	Yes	Yes
19	HRV2023DEC6039-02	HR21900241-G-MC01	859	41922	Yes	Yes	Yes
20	HRV2023DEC6039-03	HR21900241-G-MC01	370	17416	Yes	Yes	Yes
21	HRV2023DEC6039-04	HR21900241-G-MC01	783	37895	Yes	Yes	Yes
22	HRV2023DEC6039-05	HR21900241-G-MC01	298	14397,5	Yes	Yes	Yes
23	HRV2023DEC6040-01	HR21900241-G-MC02	744	36329	Yes	Yes	Yes
24	HRV2023DEC6040-03	HR21900241-G-MC02	864	42097	Yes	Yes	Yes
25	HRV2023DEC6040-02	HR21900241-G-MC02	305	14543,5	Yes	Yes	Yes
26	HRV2023DEC6040-04	HR21900241-G-MC02	466	22407	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	112	112	0	0
2	87	87	0	0
3	29	29	0	0
4	115	115	0	0
5	77	77	0	0
6	114	114	0	0
7	74	74	0	0
8	97	97	0	0
9	97	97	0	0
10	108	108	0	0
11	82	82	0	0
12	90	90	0	0
13	109	109	0	0
14	35	35	0	0
15	69	69	0	0
16	114	114	0	0
17	72	72	0	0
18	17	17	0	0
19	85	85	0	0

20	37	37	0	0
21	79	79	0	0
22	29	29	0	0
23	76	76	0	0
24	87	87	0	0
25	30	30	0	0
26	47	47	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	N/A
		Panama		Carrier	No	N/A
		Croatia		Farm	No	N/A
		Croatia		Farm	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0742	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Croatia
Farm Operating Company	.
Observer Name	MARTIN BELLO CANDAMIO
Observer ICCAT ID No	389
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/12/2022		ONLINE
Date of mobilisation	26/12/2022		A CORUNA - ZAGREB
Arrival to port / farm	27/12/2022		ZAGREB/ZADAR/BIOGRAD/
request dates	27/12/2022	14/02/2023	
Deployment period	27/12/2022	14/02/2023	
Departure from port / farm	15/02/2023		ZAGREB/
Return home	16/02/2023		
Debriefing	15/02/2023		PARIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV011001	1873	89904	HR21900230-G-MC02-MC01
HRV011001	250	14250	HR21900295-G-MC02-MC01
HRV0110015	2099	52475	HR22900294-G-MC01
HRV011002	2064	170880	HR21900230-G-MC01
HRV011003	1779	85851	HR21900230-G-MC02
HRV011004	1782	85536	HR21900230-G-MC01-MC01
HRV011004	285	16245	HR21900295-G-MC01-MC01
HRV011005	4164	99936	HR22900313-G
HRV011007	4150	103750	HR22900294-G
HRV011008	1726	83266,5	HR21900293-G
HRV011009	4384	109600	HR22900368-G, HR22900286-G-LT01, HR22900276-G-LT01, HR22900304-G-LT01
HRV011010	1987	97363	HR21900293-G-MC02
HRV011011	2251	108048	HR21900238-G-MC02
HRV011012	2193	107457	HR21900293-G-MC01
HRV011013	2600	124800	HR21900238-G
HRV011014	2482	119136	HR21900238-G-MC01
HRV011016	2099	52475	HR22900294-G-MC02
HRV011016	4647	120822	HR22900323-G

Information on the farm contents was provided by the farm manager.

Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	20/01/2023	Bulk Harvest	HRV011003	Yes	Yes		
2	20/01/2023	Bulk Harvest	HRV011003	Yes	Yes		
3	22/01/2023	Bulk Harvest	HRV011003	Yes	Yes		
4	22/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
5	22/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
6	23/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
7	24/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
8	24/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
9	25/01/2023	Bulk Harvest	HRV011008	Yes	Yes		
10	25/01/2023	Bulk Harvest	HRV011013	Yes	Yes		
11	25/01/2023	Bulk Harvest	HRV011013	Yes	Yes		
12	26/01/2023	Bulk Harvest	HRV011013	Yes	Yes		
13	26/01/2023	Bulk Harvest	HRV011013	Yes	Yes		
14	27/01/2023	Bulk Harvest	HRV011013	Yes	Yes		
15	27/01/2023	Bulk Harvest	HRV011001	Yes	Yes		
16	27/01/2023	Bulk Harvest	HRV011001	Yes	Yes		
17	28/01/2023	Bulk Harvest	HRV011001	Yes	Yes		
18	28/01/2023	Bulk Harvest	HRV011001	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	29/01/2023	Bulk Harvest	HRV011001	Yes	Yes		
20	29/01/2023	Bulk Harvest	HRV011010	Yes	Yes		
21	30/01/2023	Bulk Harvest	HRV011010	Yes	Yes		
22	31/01/2023	Bulk Harvest	HRV011010	Yes	Yes		
23	31/01/2023	Bulk Harvest	HRV011014	Yes	Yes		
24	01/02/2023	Bulk Harvest	HRV011014	Yes	Yes		
25	02/02/2023	Bulk Harvest	HRV011014	Yes	Yes		
26	02/02/2023	Bulk Harvest	HRV011004	Yes	Yes		
27	03/02/2023	Bulk Harvest	HRV011004	Yes	Yes		
28	04/02/2023	Bulk Harvest	HRV011012	Yes	Yes		
29	05/02/2023	Bulk Harvest	HRV011012	Yes	Yes		
30	06/02/2023	Bulk Harvest	HRV011002	Yes	Yes		
31	07/02/2023	Bulk Harvest	HRV011002	Yes	Yes		
32	07/02/2023	Bulk Harvest	HRV011011	Yes	Yes		
33	08/02/2023	Bulk Harvest	HRV011011	Yes	Yes		
34	10/02/2023	Bulk Harvest	HRV011011	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	866	43809	866	43676
2	721	34973	721	35066
3	512	25384	512	25320
4	374	18534	374	18453
5	79	3666	79	3674
6	346	16389	346	16423
7	887	42751	887	42641
8	332	15628	332	15644,5
9	279	13536	279	13500
10	566	27212	566	27137
11	355	16885	355	16882
12	837	39819	837	39705
13	365	17241,5	365	17265,5
14	475	22412	475	22351
15	377	18463	377	18418
16	334	16227	334	16214,5
17	531	26276	531	26213
18	527	25380	527	25388

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	353	16942	353	16932
20	635	31397	635	31386
21	1107	54332	1107	54306,5
22	244	11981	244	11960
23	868	40833	868	40708
24	1249	58814	1249	58812
25	342	15947	342	15923
26	903	43906	903	43921
27	1104	53479	1104	53498
28	1133	54350	1133	54433,5
29	1022	49019,5	1022	49031,5
30	1146	56991	1146	56950,5
31	917	45281	917	45389
32	150	7411	150	7426,5
33	1048	50080	1048	50168
34	1053	48976,5	1053	48515

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	HRV2023DEC6041	HR21900230-G-MC02	775	37610	Yes	Yes	Yes
1	HRV2023DEC6041	HR21900295-G-MC02	91	6066	Yes	Yes	Yes
2	HRV2023DEC6041	HR21900230-G-MC02	669	31675	Yes	Yes	Yes
2	HRV2023DEC6041	HR21900295-G-MC02	52	3391	Yes	Yes	Yes
3	HRV2023DEC6041-03	HR21900230-G-MC02	335	16566	Yes	Yes	Yes
3	HRV2023DEC6041-03	HR21900295-G-MC02	177	8754	Yes	Yes	Yes
4	HRV2023DEC6041-02	HR21900290-G-CT02	93	4589	Yes	Yes	Yes
4	HRV2023DEC6041-02	HR21900293-G	281	13864	Yes	Yes	Yes
5	HRV2023DEC6042-02	HR21900290-G-CT02	26	1209	Yes	Yes	Yes
5	HRV2023DEC6042-02	HR21900293-G	53	2465	Yes	Yes	Yes
6	HRV2023DEC6042-03	HR21900290-G-CT02	114	3858	Yes	Yes	Yes
6	HRV2023DEC6042-03	HR21900293-G	232	11280	Yes	Yes	Yes
7	HRV2023DEC6042-04	HR21900290-G-CT02	288	13785	Yes	Yes	Yes
7	HRV2023DEC6042-04	HR21900293-G	599	28856	Yes	Yes	Yes
8	HRV2023DEC6042-05	HR21900290-G-CT02	50	2343	Yes	Yes	Yes
8	HRV2023DEC6042-05	HR21900293-G	232	13301,5	Yes	Yes	Yes
9	HRV2023DEC6042-06	HR21900293-G	279	13500	Yes	Yes	Yes
10	HRV2023DEC6043-01	HR21900238-G	566	27137	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
11	HRV2023DEC6043-02	HR21900238-G	355	16882	Yes	Yes	Yes
12	HRV2023DEC6043-03	HR21900238-G	837	39705	Yes	Yes	Yes
13	HRV2023DEC6043-04	HR21900238-G	365	17265,5	Yes	Yes	Yes
14	HRV2023DEC6043-05	HR21900238-G	475	22351	Yes	Yes	Yes
15	HRV2023DEC6064-01	HR21900230-G-MC02-MC01	366	17718	Yes	Yes	Yes
15	HRV2023DEC6064-01	HR21900295-G-MC02-MC01	11	700	Yes	Yes	Yes
16	HRV2023DEC6044-02	HR21900230-G-MC02-MC01	317	15129,5	Yes	Yes	Yes
16	HRV2023DEC6044-02	HR21900295-G-MC02-MC01	17	1085	Yes	Yes	Yes
17	HRV2023DEC6044-03	HR21900230-G-MC02-MC01	503	24404	Yes	Yes	Yes
17	HRV2023DEC6044-03	HR21900295-G-MC02-MC01	28	1809	Yes	Yes	Yes
18	HRV2023DEC6044-04	HR21900230-G-MC02-MC01	410	18134	Yes	Yes	Yes
18	HRV2023DEC6044-04	HR21900295-G-MC02-MC01	117	7254	Yes	Yes	Yes
19	HRV2023DEC6044-05	HR21900230-G-MC02-MC01	277	12220,5	Yes	Yes	Yes
19	HRV2023DEC6044-05	HR21900295-G-MC02-MC01	76	4712	Yes	Yes	Yes
20	HRV2023DEC6045-01	HR21900293-G-MC02	635	31386,5	Yes	Yes	Yes
21	HRV2023DEC6045-02	HR21900293-G-MC02	1107	54306,5	Yes	Yes	Yes
22	HRV2023DEC6046-01	HR21900293-G	244	11960	Yes	Yes	Yes
23	HRV2023DEC6045-03	HR21900238-G	868	40708	Yes	Yes	Yes
24	HRV2023DEC6046-02	HR21900238-G	1249	58812	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
25	HRV2023DEC6046-02	HR21900238-G	342	15923	Yes	Yes	Yes
26	HRV2023DEC6047-01	HR21900230-G-MC01-HA01	833	39194	Yes	Yes	Yes
26	HRV2023DEC6047-01	HR21900295-G-MC01-HA01	70	4727	Yes	Yes	Yes
27	HRV2023DEC4067-02	HR21900230-G-MC01-HA01	924	43908	Yes	Yes	Yes
27	HRV2023DEC4067-02	HR21900295-G-MC01-HA01	180	9590	Yes	Yes	Yes
28	HRV2023DEC6048-01	HR21900293-G-MC01	1133	54433,5	Yes	Yes	Yes
29	HRV2023DEC6048-02	HR21900293-G-MC01	1022	49031,5	Yes	Yes	Yes
30	HR21900230-G-MC01	HR21900295-G-MC01	140	8361,5	Yes	Yes	Yes
30	HRV2023DEC6049-01	HR21900230-G-MC01	1006	48589	Yes	Yes	Yes
31	HRV2023DEC6049-02	HR21900230-G-MC01	774	37275	Yes	Yes	Yes
31	HRV2023DEC6049-02	HR21900295-G-MC01	143	8114	Yes	Yes	Yes
32	HRV2023DEC6050-01	HR21900238-G-MC02	150	7426,5	Yes	Yes	Yes
33	HRV2023DEC6050-02	HR21900238-G-MC02	48	2318	Yes	Yes	Yes
33	HRV2023DEC6050-02	HR21900238-G-MC02	1000	47850	Yes	Yes	Yes
34	HRV2023DEC6050-03	HR21900238-G-MC02	1053	48515	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	86	86	0	0
2	72	72	0	0
3	51	51	0	0
4	37	37	0	0
5	8	8	0	0
6	35	35	0	0
7	89	89	0	0
8	33	33	0	0
9	27	27	0	0
10	57	57	0	0
11	36	36	0	0
12	84	84	0	0
13	35	35	0	0
14	47	47	0	0
15	38	38	0	0
16	33	33	0	0
17	53	53	0	0
18	52	52	0	0
19	35	35	0	0

20	63	63	0	0
21	111	111	0	0
22	24	24	0	0
23	87	87	0	0
24	125	125	0	0
25	34	34	0	0
26	90	90	0	0
27	110	110	0	0
28	113	113	0	0
29	102	102	0	0
30	115	115	0	0
31	91	91	0	0
32	15	15	0	0
33	105	105	0	0
34	105	105	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	N/A
		Panama		Carrier	No	N/A
		Croatia		Farm	No	N/A
		Croatia		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0743	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Croatia
Farm Operating Company	
Observer Name	FRANCESCO PULEO
Observer ICCAT ID No	708
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	10/12/2022		REMOTELY
Date of mobilisation	11/12/2022		
Arrival to port / farm	11/12/2022		SPLIT/XXX
Request dates	12/12/2022	10/01/2023	
Deployment period	12/12/2022	10/01/2023	
Departure from port / farm	11/01/2023		PALERMO/XXX
Return home	11/01/2023		
Debriefing	16/01/2023		REMOTELY

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV006002	4699	N/A	HR21900235-G
HRV006002	1693	N/A	HR21900288-G
HRV006002	705	N/A	HR21900290-G-LT01
HRV006004	1715	80016	HR21900126
HRV006004	4452	212239	HR21900225-G
HRV006004	606	28430	HR21900291
HRV006005	3738	184895	HR21900257-G-HA01
HRV006005	2452	150800	HR21900281-G-HA01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	12/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
2	13/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
3	14/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
4	15/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
5	16/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
6	17/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
7	18/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
8	19/12/2022	Bulk Harvest	HRV006004	Yes	Yes		
9	20/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
10	21/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
11	22/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
12	23/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
13	24/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
14	27/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
15	28/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
16	29/12/2022	Bulk Harvest	HRV006005	Yes	Yes		
17	30/12/2022	Bulk Harvest	HRV006002	Yes	Yes		
18	31/12/2022	Bulk Harvest	HRV006002	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	02/01/2023	Bulk Harvest	HRV006002	Yes	Yes		
20	03/01/2023	Bulk Harvest	HRV006002	Yes	Yes		
21	04/01/2022	Bulk Harvest	HRV006002	Yes	Yes		
22	05/01/2023	Bulk Harvest	HRV006002	Yes	Yes		
23	06/01/2023	Bulk Harvest	HRV006002	Yes	Yes		
24	07/01/2023	Bulk Harvest	HRV006002	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	806	38536	806	38536
2	873	41820	873	41820
3	852	40489	852	40489
4	868	41166	868	41166
5	863	40653	863	40637
6	868	40561	868	40561
7	897	42564	897	42564
8	746	34912	746	34912
9	795	42946	795	42946
10	774	40143	743	40143
11	828	44383	828	44383
12	837	44370	837	44370
13	824	42818	824	42818
14	794	43913	794	43913
15	774	44704	774	44704
16	564	32420	564	32420
17	879	41850	879	41840
18	877	41405	877	41405

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	816	41405	816	41405
20	865	40423	865	40423
21	860	40239	860	40239
22	868	40171	868	40171
23	887	41408	887	41408
24	941	43348	941	43348

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	HRV2022DEC6030-01	HR21900126	204	9700	Yes	Yes	Yes
1	HRV2022DEC6030-01	HR21900225-G	530	25426	Yes	Yes	Yes
1	HRV2022DEC6030-01	HR21900291	72	3410	Yes	Yes	Yes
2	HRV2022DEC6030-02	HR21900126	221	10480	Yes	Yes	Yes
2	HRV2022DEC6030-02	HR21900225-G	574	27600	Yes	Yes	Yes
2	HRV2022DEC6030-02	HR21900291	78	3740	Yes	Yes	Yes
3	HRV 2022 DEC 6030-03	HR21900126	216	10009	Yes	Yes	Yes
3	HRV 2022 DEC 6030-03	HR21900225-G	560	26880	Yes	Yes	Yes
3	HRV 2022 DEC 6030-03	HR21900291	76	3600	Yes	Yes	Yes
4	HRV 2022 DEC 6030-04	HR21900126	220	10300	Yes	Yes	Yes
4	HRV 2022 DEC 6030-04	HR21900225-G	570	27360	Yes	Yes	Yes
4	HRV 2022 DEC 6030-04	HR21900291	78	3506	Yes	Yes	Yes
5	HRV 2022 DEC 6030-05	HR21900126	219	10197	Yes	Yes	Yes
5	HRV 2022 DEC 6030-05	HR21900225-G	567	26820	Yes	Yes	Yes
5	HRV 2022 DEC 6030-05	HR21900291	77	3620	Yes	Yes	Yes
6	HRV 2022 DEC 6030-06	HR21900126	220	10230	Yes	Yes	Yes
6	HRV 2022 DEC 6030-06	HR21900225-G	570	26661	Yes	Yes	Yes
6	HRV 2022 DEC 6030-06	HR21900291	78	3670	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
7	HRV 2022 DEC 6030-07	HR21900126	227	10450	Yes	Yes	Yes
7	HRV 2022 DEC 6030-07	HR21900225-G	590	28320	Yes	Yes	Yes
7	HRV 2022 DEC 6030-07	HR21900291	80	3794	Yes	Yes	Yes
8	HRV 2022 DEC 6030-08	HR21900126	188	8650	Yes	Yes	Yes
8	HRV 2022 DEC 6030-08	HR21900225-G	491	23172	Yes	Yes	Yes
8	HRV 2022 DEC 6030-08	HR21900291	67	3090	Yes	Yes	Yes
9	HRV 2022 DEC 6030-09	HR21900257-G	480	23546	Yes	Yes	Yes
9	HRV 2022 DEC 6030-09	HR21900281-G	315	19400	Yes	Yes	Yes
10	HRV 2022 DEC 6033-02	HR21900257-G	467	21261	Yes	Yes	Yes
10	HRV 2022 DEC 6033-02	HR21900281-G	307	18880	Yes	Yes	Yes
11	HRV 2022 DEC 6033-03	HR21900257-G	500	24203	Yes	Yes	Yes
11	HRV 2022 DEC 6033-03	HR21900281-G	328	20180	Yes	Yes	Yes
12	HRV 2022 DEC 6033-04	HR21900257-G	505	23920	Yes	Yes	Yes
12	HRV 2022 DEC 6033-04	HR21900281-G	332	20450	Yes	Yes	Yes
13	HRV 2022 DEC 6033-05	HR21900257-G	498	22808	Yes	Yes	Yes
13	HRV 2022 DEC 6033-05	HR21900281-G	326	20010	Yes	Yes	Yes
14	HRV 2022 DEC 6033-06	HR21900257-G	480	24613	Yes	Yes	Yes
14	HRV 2022 DEC 6033-06	HR21900281-G	314	19300	Yes	Yes	Yes
15	HRV 2022 DEC 6033-07	HR21900257-G	467	25824	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
15	HRV 2022 DEC 6033-07	HR21900281-G	307	18880	Yes	Yes	Yes
16	HRV 2022 DEC 6033-08	HR21900257-G	341	18720	Yes	Yes	Yes
16	HRV 2022 DEC 6033-08	HR21900281-G	223	13700	Yes	Yes	Yes
17	HRV 2022 DEC 6034-01	HR21900235-G	582	27930	Yes	Yes	Yes
17	HRV 2022 DEC 6034-01	HR21900288-G	210	10100	Yes	Yes	Yes
17	HRV 2022 DEC 6034-01	HR21900290-G-LT01	87	3820	Yes	Yes	Yes
18	HRV 2022 DEC 6034-02	HR21900235-G	581	27600	Yes	Yes	Yes
18	HRV 2022 DEC 6034-02	HR21900288-G	209	9820	Yes	Yes	Yes
18	HRV 2022 DEC 6034-02	HR21900290-G-LT01	87	3985	Yes	Yes	Yes
19	HRV 2022 DEC 6034-03	HR21900235-G	540	25800	Yes	Yes	Yes
19	HRV 2022 DEC 6034-03	HR21900288-G	195	9260	Yes	Yes	Yes
19	HRV 2022 DEC 6034-03	HR21900290-G-LT01	81	3831	Yes	Yes	Yes
20	HRV 2022 DEC 6034-04	HR21900235-G	573	26900	Yes	Yes	Yes
20	HRV 2022 DEC 6034-04	HR21900288-G	206	9600	Yes	Yes	Yes
20	HRV 2022 DEC 6034-04	HR21900290-G-LT01	86	3923	Yes	Yes	Yes
21	HRV 2022 DEC 6034-05	HR21900235-G	570	26800	Yes	Yes	Yes
21	HRV 2022 DEC 6034-05	HR21900288-G	205	9600	Yes	Yes	Yes
21	HRV 2022 DEC 6034-05	HR21900290-G-LT01	85	3839	Yes	Yes	Yes
22	HRV 2022 DEC 6034-06	HR21900235-G	575	26700	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
22	HRV 2022 DEC 6034-06	HR21900288-G	207	9560	Yes	Yes	Yes
22	HRV 2022 DEC 6034-06	HR21900290-G-LT01	86	3911	Yes	Yes	Yes
23	HRV 2022 DEC 6034-07	HR21900235-G	587	27470	Yes	Yes	Yes
23	HRV 2022 DEC 6034-07	HR21900288-G	212	9880	Yes	Yes	Yes
23	HRV 2022 DEC 6034-07	HR21900290-G-LT01	88	4058	Yes	Yes	Yes
24	HRV 2022 DEC 6034-08	HR21900235-G	623	28780	Yes	Yes	Yes
24	HRV 2022 DEC 6034-08	HR21900288-G	225	10350	Yes	Yes	Yes
24	HRV 2022 DEC 6034-08	HR21900290-G-LT01	93	4218	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	84	84	N/A	0
2	89	89	N/A	0
3	88	88	N/A	0
4	90	90	N/A	0
5	87	87	N/A	0
6	90	90	N/A	0
7	89	89	N/A	0
8	77	77	N/A	0
9	85	85	N/A	0
10	78	78	N/A	0
11	80	80	N/A	0
12	85	85	N/A	0
13	87	87	N/A	0
14	80	80	N/A	0
15	85	85	N/A	0
16	57	57	N/A	0
17	90	90	N/A	0
18	91	90	N/A	0
19	82	82	N/A	0

20	87	87	N/A	0
21	87	87	N/A	0
22	90	90	N/A	0
23	90	90	N/A	0
24	95	95	N/A	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Croatia		Support	No	N/A
		Croatia		Support	No	N/A
		Croatia		Support	No	N/A
		Croatia		Support	No	N/A
		Panama		Carrier	No	N/A
		Croatia		Farm	No	N/A
		Croatia		Farm	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0744</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Ivan Karuzic
Observer ICCAT ID No	871
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	14/12/2022		Split, Croatia
Date of mobilisation	13/12/2022		
Arrival to port / farm	14/12/2022		Valletta, Malta
Request dates	15/12/2022	02/01/2023	
Deployment period	15/12/2022	02/01/2023	
Departure from port / farm	03/01/2023		Valletta, Malta
Return home	04/01/2023		
Debriefing	04/01/2023		Split, Croatia

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT-003XXX	137	9182.041	N22900011-LT01-TR01-CG01/MA22900026-CG01
EU.MLT-005XXX	1337	293942.682	MT22900389-G-MC02
EU.MLT-006XXX	213	11728.936	TN22900011-LT01-TR01-CG02/MA22900026-CG02
EU.MLT-009XXX	418	28167.55	MT22900388-G-MC02
EU.MLT-013XXX	63	6029.941	FR22900816-CG02/CY22900012-CG01
EU.MLT-014XXX	328	34479.22	FR22900816-CG01/CY22900012-CG01
EU.MLT-018XXX	1402	293233.908	DZ22900004-TR01/MT22900389-G-MC01
EU.MLT-019XXX	110	6993.688	TN22900008-TR01-TR01-CG01/MA22900022-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	17/12/2022	Bulk Harvest	EU-MLT-014XXX	Yes	Yes		
2	17/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
3	18/12/2022	Bulk Harvest	EU.MLT-014XXX	Yes	Yes		
4	18/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
5	19/12/2022	Bulk Harvest	EU.MLT-009XXX	Yes	Yes		
6	19/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
7	20/12/2022	Bulk Harvest	EU.MLT-013XXX	Yes	Yes		
8	20/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
9	21/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
10	21/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
11	21/12/2022	Bulk Harvest	EU.MLT-014XXX	Yes	Yes		
12	22/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
13	22/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
14	22/12/2022	Bulk Harvest	EU.MLT-019XXX	Yes	Yes		
15	23/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
16	23/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
17	23/12/2022	Bulk Harvest	EU.MLT-003XXX	Yes	Yes		
18	24/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	24/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
20	26/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
21	26/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
22	26/12/2022	Bulk Harvest	EU.MLT-006XXX	Yes	Yes		
23	27/12/2022	Bulk Harvest	EU.MLT-018XXX	Yes	Yes		
24	27/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		
25	28/12/2022	Bulk Harvest	EU.MLT-005XXX	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	34	8290	34	8290
2	137	38599	137	38599
3	36	8559	36	8559
4	143	37973	143	37973
5	18	4531	18	4531
6	151	43295	151	43295
7	11	2130	11	2130

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
8	136	29806	136	29806
9	211	45334	211	45334
10	81	25863	81	25863
11	103	6532	103	6532
12	237	46688	237	46688
13	116	29745	116	29745
14	10	798	10	798
15	198	44496	198	44496
16	96	26708	96	26708
17	6	1226	6	1226
18	244	56188	244	56188
19	62	14749	62	14749
20	171	46293	171	46293
21	60	15900	60	15900
22	9	2273	9	2273
23	188	21263	188	21263
24	98	22255	98	22255
25	116	28549	116	28549

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-0052XXX	FR22900816-CG01-MC01-HA02	34	8288	Yes	Yes	Yes
2	MLT-2022-0053XXX	MT22900389-G-MC01-HA01	137	38547	Yes	Yes	Yes
3	MLT-2022-0054XXX	FR22900816-CG01-MC01-HA02	36	8535	Yes	Yes	Yes
4	MLT-2022-0055XXX	DZ22900004-TR01-HA01	143	37873	Yes	Yes	Yes
5	MLT-2022-0056XXX	MT22900388-G-MC02-HA03	18	4531	Yes	Yes	Yes
6	MLT-2022-0057XXX	DZ22900004-TR01-HA01	151	43139	Yes	Yes	Yes
7	MLT-2022-0058XXX	CY22900012-CG02-HA03	11	2130	Yes	Yes	Yes
8	MLT-2022-0059XXX	DZ22900004-TR01-HA01	136	29684	Yes	Yes	Yes
9	MLT-2022-0060XXX	DZ22900004-TR01-HA01	211	45163	Yes	Yes	Yes
10	MLT-2022-0061XXX	MT22900389-G-MC01-HA02	81	25803	Yes	Yes	Yes
11	MLT-2022-0062XXX	FR22900816-CG01-MC01-HA03	103	6496	Yes	Yes	Yes
12	MLT-2022-0063XXX	DZ22900004-TR01-HA01	237	46464	Yes	Yes	Yes
13	MLT-2022-0064XXX	MT22900389-G-MC02-HA02	116	29717	Yes	Yes	Yes
14	MLT-2022-0065XXX	MA22900022-CG01-HA02	10	795	Yes	Yes	Yes
15	MLT-2022-0066XXX	MT22900389-G-MC02-HA01	198	44360	Yes	Yes	Yes
16	MLT-2022-0067XXX	MT22900389-G-MC02-HA02	96	26663	Yes	Yes	Yes
17	MLT-2022-0068XXX	MA22900026-CG01-HA01	6	1222	Yes	Yes	Yes
18	MLT-2022-0069XXX	MT22900389-G-MC02-HA01	244	55983	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
19	MLT-2022-0070XXX	MT22900389-G-MC02-HA02	62	14725	Yes	Yes	Yes
20	MLT-2022-0071XXX	MT22900389-G-MC02-HA02	171	46193	Yes	Yes	Yes
21	MLT-2022-0072XXX	MT22900389-G-MC02-HA01	60	15830	Yes	Yes	Yes
22	MLT-2022-0073XXX	TN22900011-LT01-TR01-CG02-HA04	9	2273	Yes	Yes	Yes
23	MLT-2022-0074XXX	DZ22900004-TR01	188	21057	Yes	Yes	Yes
24	MLT-2022-0075XXX	MT22900389-G-MC02-HA02	98	22216	Yes	Yes	Yes
25	MLT-2022-0075XXX	MT22900389-G-MC02-HA02	116	28452	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	4	4	0	0
2	14	14	0	0
3	4	4	0	0
4	15	15	0	0
5	2	2	0	0
6	16	16	0	0
7	2	2	0	0
8	14	14	0	0
9	21	21	0	0
10	9	9	1	1
11	11	11	0	0
12	23	23	0	0
13	12	12	0	0
14	1	1	0	0
15	20	20	0	0
16	9	9	1	1
17	1	1	0	0
18	23	23	0	0
19	7	7	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	18	18	0	0
21	6	6	0	0
22	1	1	0	0
23	5	5	1	1
24	10	10	0	0
25	12	12	2	2

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
10	Electronic PIT / Single spaghetti tag	ID209991224149	265	CFL	374	Whole	Yes	Dorsal Spine
16	Single spaghetti tag	BYP000864				N/A	Yes	Muscle tissue and Dorsal fin
23	Single spaghetti tag	BYP 083440	201	CFL	137	Whole	Yes	Muscle tissue and Dorsal fin
25	Double spaghetti tag	BYP 017953 / BYP 057953	146	CFL	150	Dressed	Yes	Dorsal Spine
25	Single spaghetti tag	BYP 008062	243	CFL	247	Whole	Yes	Dorsal Spine

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	
		Panama		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0745</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Turkiye
Farm Operating Company	
Observer Name	Samet Can SOYLEMEZ
Observer ICCAT ID No	585
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	26/12/2022	26/12/2022	Ankara, Türkiye
Date of mobilisation	03/01/2023		
Arrival to port / farm	03/01/2023		Cesme, Izmir, Türkiye
Request dates	04/01/2023	14/02/2023	
Deployment period	04/01/2023	14/02/2023	
Departure from port / farm	14/02/2023		Cesme, Izmir, Türkiye
Return home	15/02/2023		
Debriefing	23/02/2023		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2020-004	83	24937,81	TR21900038
TUR-XXX-2020-004	49	13060,21	TR21900065
TUR-XXX-2020-004	171	39185,9	TR21900132
TUR-XXX-2020-004	79	18189,76	TR21900133
TUR-XXX-2021-003	20	3563,23	TR21900020
TUR-XXX-2021-003	49	8151,87	TR21900021
TUR-XXX-2021-003	43	6639,39	TR21900028
TUR-XXX-2021-003	52	7812,13	TR21900031
TUR-XXX-2021-003	4	2333,95	TR21900047
TUR-XXX-2021-003	64	10503,54	TR21900051
TUR-XXX-2021-003	11	3822,37	TR21900061
TUR-XXX-2021-003	57	8953,67	TR21900063
TUR-XXX-2021-003	3	630,25	TR21900074
TUR-XXX-2021-003	63	9896,16	TR21900075
TUR-XXX-2021-003	47	7546,91	TR21900076
TUR-XXX-2021-003	57	9362,08	TR21900077
TUR-XXX-2021-003	82	13166,96	TR21900085
TUR-XXX-2021-003	55	8643	TR21900089
TUR-XXX-2021-003	60	9634,36	TR21900091

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-003	59	9842,61	TR21900094
TUR-XXX-2021-003	72	11316,88	TR21900098
TUR-XXX-2021-003	87	13304,2	TR21900115
TUR-XXX-2021-003	60	9215,47	TR21900123
TUR-XXX-2022-001	319	100663,27	EG22900001
TUR-XXX-2022-002	619	189434,58	LY22900007
TUR-XXX-2022-002	90	27542,28	LY22900011
TUR-XXX-2022-003	1440	133893,98	SY22900001
TUR-XXX-2022-004	35	9045,79	TR22900004
TUR-XXX-2022-004	26	6640,67	TR22900010
TUR-XXX-2022-004	32	8027,18	TR22900011
TUR-XXX-2022-004	46	11958,68	TR22900019
TUR-XXX-2022-004	29	7694,24	TR22900022
TUR-XXX-2022-004	28	8240,04	TR22900030
TUR-XXX-2022-004	39	10871,84	TR22900033
TUR-XXX-2022-004	28	8237,04	TR22900034
TUR-XXX-2022-004	41	12082,84	TR22900039
TUR-XXX-2022-004	28	8599,47	TR22900040
TUR-XXX-2022-004	34	12558,92	TR22900054
TUR-XXX-2022-004	27	10656	TR22900057
TUR-XXX-2022-004	30	11793,6	TR22900060

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-004	31	12052,8	TR22900064
TUR-XXX-2022-004	33	12925,44	TR22900068
TUR-XXX-2022-004	30	6908,8	TR22900070
TUR-XXX-2022-004	18	4197,48	TR22900071
TUR-XXX-2022-004	38	8459,44	TR22900073
TUR-XXX-2022-004	33	8829,9	TR22900075
TUR-XXX-2022-004	31	6721,18	TR22900079
TUR-XXX-2022-004	27	6052,11	TR22900082
TUR-XXX-2022-004	44	16909,9	TR22900083
TUR-XXX-2022-004	28	6706,14	TR22900088
TUR-XXX-2022-004	226	71082,73	TR22900108
TUR-XXX-2022-005	1177	148194,79	DZ22900007
TUR-XXX-2022-005	926	116605,02	DZ22900008
TUR-XXX-2022-006	916	276038,69	LY22900004
TUR-XXX-2022-006	503	151580,32	LY22900005
TUR-XXX-2022-007	35	8857,8	TR22900021
TUR-XXX-2022-007	70	21367,8	TR22900025
TUR-XXX-2022-007	37	8271,29	TR22900037
TUR-XXX-2022-007	138	41403,78	TR22900044
TUR-XXX-2022-007	28	9826,85	TR22900049
TUR-XXX-2022-007	28	10681,54	TR22900051

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-007	40	15259,35	TR22900052
TUR-XXX-2022-007	33	12820,68	TR22900053
TUR-XXX-2022-007	44	17096,12	TR22900061
TUR-XXX-2022-007	56	21617,41	TR22900066
TUR-XXX-2022-007	15	5722,25	TR22900081
TUR-XXX-2022-007	24	9155,61	TR22900092
TUR-XXX-2022-007	38	14494,97	TR22900095
TUR-XXX-2022-007	88	33567,75	TR22900096
TUR-XXX-2022-007	120	45778,06	TR22900098
TUR-XXX-2022-007	24	9155,61	TR22900103
TUR-XXX-2022-008	270	83117,84	TR22900104
TUR-XXX-2022-008	166	63326,32	TR22900105

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage
There were no control caging operations during the deployment period.

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 15.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	04/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
2	04/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
3	05/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
4	05/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
5	06/01/2023	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
6	06/01/2023	Bulk Harvest	TUR-XXX-2022-008	Yes	Yes		
7	07/01/2023	Bulk Harvest	TUR-XXX-2022-008	Yes	Yes		
8	07/01/2023	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
9	08/01/2023	Bulk Harvest	TUR-XXX-2022-001	Yes	Yes		
10	08/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
11	09/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
12	12/01/2023	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
13	13/01/2023	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
14	14/01/2023	Bulk Harvest	TUR-XXX-2021-003	Yes	Yes		
15	16/01/2023	Bulk Harvest	TUR-XXX-2022-008	Yes	Yes		
16	17/01/2023	Bulk Harvest	TUR-XXX-2022-008	Yes	Yes		
17	17/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
18	21/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	21/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
20	22/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
21	22/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
22	23/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
23	23/01/2023	Bulk Harvest	TUR-XXX-2022-002	Yes	Yes		
24	23/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
25	24/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
26	24/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
27	24/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
28	25/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
29	25/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
30	25/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
31	26/01/2023	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
32	26/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
33	26/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
34	27/01/2022	Bulk Harvest	TUR-XXX-2022-007	Yes	Yes		
35	27/01/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
36	27/01/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
37	02/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
38	02/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	03/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
40	03/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
41	04/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
42	04/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
43	05/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
44	05/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
45	07/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
46	07/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
47	08/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
48	08/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
49	09/02/2023	Bulk Harvest	TUR-XXX-2022-006	Yes	Yes		
50	09/02/2023	Bulk Harvest	TUR-XXX-2020-004	Yes	Yes		
51	09/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
52	10/02/2023	Bulk Harvest	TUR-XXX-2020-004	Yes	Yes		
53	10/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
54	11/02/2023	Bulk Harvest	TUR-XXX-2020-004	Yes	Yes		
55	11/02/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
56	11/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
57	12/02/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
58	12/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
59	13/02/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
60	13/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		
61	14/02/2023	Bulk Harvest	TUR-XXX-2022-004	Yes	Yes		
62	14/02/2023	Bulk Harvest	TUR-XXX-2022-003	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	96	33819	96	33819
2	96	30588	96	30588
3	103	32585	103	32585
4	103	29596	103	29596
5	94	29854	94	29854
6	94	33242	94	33242
7	98	32124	98	32124
8	98	29104	98	29104
9	127	41948	127	41948

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
10	98	28713	98	28713
11	252	81859	252	81859
12	554	89774	554	89774
13	194	33343	194	33343
14	197	33154	197	33154
15	218	73961	218	73961
16	26	7597	26	7597
17	183	69838	183	69838
18	79	27583	79	27583
19	84	25692	84	25692
20	68	24675	68	24675
21	74	22851	74	22851
22	187	58785	187	58785
23	76	21563	76	21563
24	32	6094	32	6094
25	126	38914	126	38914
26	18	4070	18	4070
27	48	10459	48	10459
28	63	11196	63	11196

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
29	71	27313	71	27313
30	71	16071	71	16071
31	52	18980	52	18980
32	46	8441	46	8441
33	102	25573	102	25573
34	52	19836	52	19836
35	38	5773	38	5773
36	93	23888	93	23888
37	151	49528	151	49528
38	52	3128	52	3128
39	145	47705	145	47705
40	54	3282	54	3282
41	150	49320	150	49320
42	56	3503	56	3503
43	186	61287	186	61287
44	74	4376	74	4376
45	159	52457	159	52457
46	64	3762	64	3762
47	149	49170	149	49170

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
48	23	1557	23	1557
49	59	19329	59	19329
50	126	29862	126	29862
51	14	930	14	930
52	183	48431	183	48431
53	31	1877	31	1877
54	73	19729	73	19729
55	68	27210	68	27210
56	67	3994	67	3994
57	112	44572	112	44572
58	107	6357	107	6357
59	77	30464	77	30464
60	68	4088	68	4088
61	75	29914	75	29914
62	65	3915	65	3915

* Harvest operation as per Table 17.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2023/AUT/001	TR22900084	34	12557.89	Yes	Yes	Yes
1	TUR-2023/AUT/001	TR22900108-HA01	62	21621.865	Yes	Yes	Yes
2	TUR-2023/AUT/001	LY22900007-HA01	96	30588	Yes	Yes	Yes
3	TUR-2023/AUT/001	TR22900108-HA02	103	32584.76	Yes	Yes	Yes
4	TUR-2023/AUT/001	LY22900007-HA02	103	29596	Yes	Yes	Yes
5	TUR-2023/AUT/001	EG22900001-HA01	94	29854	Yes	Yes	Yes
6	TUR-2023/AUT/001	TR22900104-HA01	35	10763	Yes	Yes	Yes
6	TUR-2023/AUT/001	TR22900105-HA01	59	22478.595	Yes	Yes	Yes
7	TUR-2023/AUT/001	TR22900104-HA02	72	22217.265	Yes	Yes	Yes
7	TUR-2023/AUT/001	TR22900105-HA02	26	9906.655	Yes	Yes	Yes
8	TUR-2023/AUT/001	EG22900001-HA02	98	29104	Yes	Yes	Yes
9	TUR-2023/AUT/001	EG22900001-HA03	127	41948	Yes	Yes	Yes
10	TUR-2023/AUT/001	LY22900007-HA03	8	1100	Yes	Yes	Yes
10	TUR-2023/AUT/001	LY22900011	90	27613	Yes	Yes	Yes
11	TUR-2023/AUT/001	LY22900007-HA04	252	81859	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900031-TR01-MC01-HA01	11	1642	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900047-MC01	4	2333	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900063	57	9063	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
12	TUR-2023/AUT/001	TR21900074-MC01	3	636	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900075	63	10018	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900085	82	13329	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900089	55	8749	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900091	60	9752	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900098	72	11456	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900115	87	13468	Yes	Yes	Yes
12	TUR-2023/AUT/001	TR21900123	60	9328	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900020-MC01	20	3604	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900021-MC01	49	8262	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900028	43	6729	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900061-MC01-HA01	4	1388	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900076-HA01	13	2109	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900081-HA01	6	1276	Yes	Yes	Yes
13	TUR-2023/AUT/001	TR21900094	59	9975	Yes	Yes	Yes
14	TUR-2023/AUT/001	TR21900031-TR01-MC01-HA02	41	6287	Yes	Yes	Yes
14	TUR-2023/AUT/001	TR21900061-MC01-HA02	7	2434	Yes	Yes	Yes
14	TUR-2023/AUT/001	TR21900076-HA02	34	5550	Yes	Yes	Yes
14	TUR-2023/AUT/001	TR21900077	57	9500	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
14	TUR-2023/AUT/001	TR21900081-HA02	58	9383	Yes	Yes	Yes
15	TUR-2023/AUT/001	TR22900104-HA03	137	43020	Yes	Yes	Yes
15	TUR-2023/AUT/001	TR22900105-HA03	81	30941	Yes	Yes	Yes
16	TUR-2023/AUT/001	TR22900104-HA04	26	7597	Yes	Yes	Yes
17	TUR-2023/AUT/001	TR22900052	40	15259	Yes	Yes	Yes
17	TUR-2023/AUT/001	TR22900081	15	5722	Yes	Yes	Yes
17	TUR-2023/AUT/001	TR22900096-HA01	8	3079	Yes	Yes	Yes
17	TUR-2023/AUT/001	TR22900098	120	45778	Yes	Yes	Yes
18	TUR-2023/AUT/001	TR22900021-HA01	23	5967.035	Yes	Yes	Yes
18	TUR-2023/AUT/001	TR22900066	56	21615.925	Yes	Yes	Yes
19	TUR-2023/AUT/001	LY22900007-HA05	84	25692	Yes	Yes	Yes
20	TUR-2023/AUT/001	TR22900025-HA01	24	7579.975	Yes	Yes	Yes
20	TUR-2023/AUT/001	TR22900061	44	17094.635	Yes	Yes	Yes
21	TUR-2023/AUT/001	LY22900005-HA01	74	22851	Yes	Yes	Yes
22	TUR-2023/AUT/001	TR22900025-HA02	16	4421.535	Yes	Yes	Yes
22	TUR-2023/AUT/001	TR22900044	138	41786.105	Yes	Yes	Yes
22	TUR-2023/AUT/001	TR22900096-HA02	33	12577.56	Yes	Yes	Yes
23	TUR-2023/AUT/001	LY22900007-HA06	76	21563	Yes	Yes	Yes
24	TUR-2023/AUT/001	LY22900004-HA01	32	6094	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
25	TUR-2023/AUT/001	TR22900021-HA02	12	3008.105	Yes	Yes	Yes
25	TUR-2023/AUT/001	TR22900025-HA03	30	9568.05	Yes	Yes	Yes
25	TUR-2023/AUT/001	TR22900037	37	8427.19	Yes	Yes	Yes
25	TUR-2023/AUT/001	TR22900096-HA03	47	17910.94	Yes	Yes	Yes
26	TUR-2023/AUT/001	TR22900073-HA01	18	4070.285	Yes	Yes	Yes
27	TUR-2023/AUT/001	LY22900005-HA02	48	10459	Yes	Yes	Yes
28	TUR-2023/AUT/001	TR22900019-HA01	16	2155.27	Yes	Yes	Yes
28	TUR-2023/AUT/001	TR22900079	31	6881.69	Yes	Yes	Yes
28	TUR-2023/AUT/001	TR22900108-HA03	16	2159.485	Yes	Yes	Yes
29	TUR-2023/AUT/001	TR22900053	33	12819.22	Yes	Yes	Yes
29	TUR-2023/AUT/001	TR22900095	38	14493.98	Yes	Yes	Yes
30	TUR-2023/AUT/001	LY22900004-HA02	71	16071	Yes	Yes	Yes
31	TUR-2023/AUT/001	TR22900049	28	9825.165	Yes	Yes	Yes
31	TUR-2023/AUT/001	TR22900103	24	9154.98	Yes	Yes	Yes
32	TUR-2023/AUT/001	TR22900033-HA01	13	1948.735	Yes	Yes	Yes
32	TUR-2023/AUT/001	TR22900039-HA01	13	1936.09	Yes	Yes	Yes
32	TUR-2023/AUT/001	TR22900073-HA02	20	4556.415	Yes	Yes	Yes
33	TUR-2023/AUT/001	LY22900004-HA03	102	25573	Yes	Yes	Yes
34	TUR-2023/AUT/001	TR22900051	28	10680.81	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
34	TUR-2023/AUT/001	TR22900092	24	9154.98	Yes	Yes	Yes
35	TUR-2023/AUT/001	TR22900004-HA01	19	2887.275	Yes	Yes	Yes
35	TUR-2023/AUT/001	TR22900011-HA01	19	2885.87	Yes	Yes	Yes
36	TUR-2023/AUT/001	LY22900005-HA03	93	23888	Yes	Yes	Yes
37	TUR-2023/AUT/001	LY22900004-HA04	151	49528	Yes	Yes	Yes
38	TUR-2023/AUT/001	SY22900001-HA01	52	3128	Yes	Yes	Yes
39	TUR-2023/AUT/001	LY22900004-HA05	145	47705	Yes	Yes	Yes
40	TUR-2023/AUT/001	SY22900001-HA02	54	3282	Yes	Yes	Yes
41	TUR-2023/AUT/001	LY22900004-HA06	150	49320	Yes	Yes	Yes
42	TUR-2023/AUT/001	SY22900001-HA03	56	3503	Yes	Yes	Yes
43	TUR-2023/AUT/001	LY22900005-HA04	186	61287	Yes	Yes	Yes
44	TUR-2023/AUT/001	SY22900001-HA04	74	4376	Yes	Yes	Yes
45	TUR-2023/AUT/001	LY22900004-HA07	57	17214	Yes	Yes	Yes
45	TUR-2023/AUT/001	LY22900005-HA05	102	35243	Yes	Yes	Yes
46	TUR-2023/AUT/001	SY22900001-HA05	64	3762	Yes	Yes	Yes
47	TUR-2023/AUT/001	LY22900004-HA08	149	49170	Yes	Yes	Yes
48	TUR-2023/AUT/001	SY22900001-HA06	23	1557	Yes	Yes	Yes
49	TUR-2023/AUT/001	LY22900004-HA09	59	19329	Yes	Yes	Yes
50	TUR-2023/AUT/001	TR20900132-TR01-MC01-HA01	126	29862	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
51	TUR-2023/AUT/001	SY22900001-HA07	14	930	Yes	Yes	Yes
52	TUR-2023/AUT/001	TR20900038-MC01-MC01-HA01	73	22302	Yes	Yes	Yes
52	TUR-2023/AUT/001	TR20900132-TR01-MC01-HA02	31	7323	Yes	Yes	Yes
52	TUR-2023/AUT/001	TR20900133-MC01	79	18806	Yes	Yes	Yes
53	TUR-2023/AUT/001	SY22900001-HA08	31	1877	Yes	Yes	Yes
54	TUR-2023/AUT/001	TR20900038-MC01-MC01-HA02	10	3014	Yes	Yes	Yes
54	TUR-2023/AUT/001	TR20900065-MC01-MC01	49	13403	Yes	Yes	Yes
54	TUR-2023/AUT/001	TR20900132-TR01-MC01-HA03	14	3312	Yes	Yes	Yes
55	TUR-2023/AUT/001	TR22900011-HA02	13	5351	Yes	Yes	Yes
55	TUR-2023/AUT/001	TR22900057	27	10682	Yes	Yes	Yes
55	TUR-2023/AUT/001	TR22900060-HA01	28	11177	Yes	Yes	Yes
56	TUR-2023/AUT/001	SY22900001-HA09	67	3994	Yes	Yes	Yes
57	TUR-2023/AUT/001	TR22900004-HA02	16	6401	Yes	Yes	Yes
57	TUR-2023/AUT/001	TR22900060-HA02	2	646	Yes	Yes	Yes
57	TUR-2023/AUT/001	TR22900064	31	12085	Yes	Yes	Yes
57	TUR-2023/AUT/001	TR22900068	33	12960	Yes	Yes	Yes
57	TUR-2023/AUT/001	TR22900083-HA01	30	12480	Yes	Yes	Yes
58	TUR-2023/AUT/001	SY22900001-HA010	107	6357	Yes	Yes	Yes
59	TUR-2023/AUT/001	TR22900019-HA02	3	1260	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
59	TUR-2023/AUT/001	TR22900033-HA02	16	6800	Yes	Yes	Yes
59	TUR-2023/AUT/001	TR22900039-HA02	28	10404	Yes	Yes	Yes
59	TUR-2023/AUT/001	TR22900108-HA04	30	12000	Yes	Yes	Yes
60	TUR-2023/AUT/001	SY22900001-HA011	68	4088	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900019-HA03	14	5614	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900022-HA01	7	2550	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900030-HA01	15	5925	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900034-HA01	12	4920	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900040-HA01	13	5265	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900075-HA01	8	3120	Yes	Yes	Yes
61	TUR-2023/AUT/001	TR22900083-HA02	6	2520	Yes	Yes	Yes
62	TUR-2023/AUT/001	SY22900001-HA012	65	3915	Yes	Yes	Yes

* Harvest operation as per Table 17.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	11	11	0	1
2	10	10	0	0
3	11	11	0	0
4	11	11	0	0
5	28	28	0	1
6	24	24	0	0
7	37	37	0	0
8	28	28	0	0
9	43	43	0	0
10	36	36	0	0
11	43	43	0	0
12	147	147	0	0
13	58	58	0	0
14	70	70	0	0
15	73	73	0	0
16	10	10	0	0
17	80	80	0	0
18	47	47	0	0
19	26	26	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	26	26	0	0
21	30	30	0	0
22	54	54	0	0
23	25	25	0	0
24	15	15	0	0
25	54	54	0	0
26	7	7	0	0
27	16	16	0	0
28	19	19	0	0
29	21	21	0	0
30	18	18	0	0
31	16	16	0	0
32	12	12	0	0
33	22	22	0	0
34	11	11	0	0
35	10	10	0	0
36	18	18	0	0
37	18	18	0	0
38	9	9	0	0
39	20	20	0	0
40	9	9	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	17	17	0	0
42	11	11	0	0
43	22	22	0	0
44	13	13	0	0
45	23	23	0	0
46	10	10	0	0
47	23	23	0	0
48	5	5	0	0
49	9	9	0	0
50	20	20	0	0
51	3	3	0	0
52	27	27	0	0
53	6	6	0	0
54	12	12	0	0
55	9	9	0	0
56	8	8	0	0
57	14	14	0	0
58	14	14	0	0
59	13	13	0	0
60	8	8	0	0
61	9	9	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
62	9	9	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
1	Electronic PIT / Single spaghetti tag	BYP 032119	268	CFL	354	Whole	No	N/A
5	Single spaghetti tag	660	272	CFL	371	Whole	No	N/A

* Harvest operation as per Table 18.

For the tag recovered in operation 5, only the last three digits readable

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Turkiye		Dive	No	
		Panama		Carrier	No	
		Turkiye		Support	No	
		Turkiye		Support	No	
		Panama		Carrier	No	
		Japan		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer sampling tab in excel report

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0746</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Turkiye
Farm Operating Company	
Observer Name	Ismail Burak Daban
Observer ICCAT ID No	578
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	26/12/2022		Ankara, Türkiye
Date of mobilisation	01/01/2023		
Arrival to port / farm	01/01/2023		Urla, İzmir, Türkiye
Request dates	02/01/2023	21/02/2023	
Deployment period	02/01/2023	21/02/2023	
Departure from port / farm	22/02/2023		Urla, İzmir, Türkiye
Return home	22/02/2023		
Debriefing	01/03/2023		Ankara, Türkiye

The observer was also deployed on AT001TUR00004 and AT001TUR00005 during the deployment.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-135	927	126166	TR21900201-G
TUR-XXX-2022-131	1775	246311	TR22900115-G
TUR-XXX-2022-132	1923	257098	TR22900106-G
TUR-XXX-2022-134	620	164942	TR22900109-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	07/01/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
2	08/01/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
3	12/01/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
4	13/01/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
5	14/01/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
6	22/01/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
7	22/01/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
8	24/01/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
9	24/01/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
10	26/01/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
11	27/01/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
12	27/01/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
13	31/01/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		
14	02/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		
15	03/02/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
16	03/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		
17	03/02/2023	Bulk Harvest	TUR-XXX-2022-134	Yes	Yes		
18	04/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	04/02/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
20	07/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		
21	07/02/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
22	08/02/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
23	10/02/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
24	10/02/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
25	11/02/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
26	11/02/2023	Bulk Harvest	TUR-XXX-2021-135	Yes	Yes		
27	12/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		
28	12/02/2023	Bulk Harvest	TUR-XXX-2022-131	Yes	Yes		
29	18/02/2023	Bulk Harvest	TUR-XXX-2022-132	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	152	47165	152	47133
2	265	49740	265	49683
3	241	44197	241	44153

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
4	92	24240	92	24209
5	167	48799	167	48742
6	150	19520	150	19471
7	202	27803	202	27770
8	118	22041	118	22016
9	68	18320	68	18288
10	134	36580	134	36545
11	125	21042	125	21015
12	76	22791	76	22756
13	262	50251	262	50199
14	100	21660	100	21618
15	101	14398	101	14350
16	158	14660	158	14600
17	51	16561	51	16536
18	247	17898	247	17860
19	125	17489	125	17443
20	130	13070	130	13023
21	122	17152	122	17098
22	241	17856	241	17794

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
23	127	17652	127	17713
24	156	28288	156	28247
25	129	11354	129	11319
26	170	26122	170	26067
27	151	31279	151	31225
28	99	5698	99	5665
29	56	20255	56	20241

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2023/AUT/013	TR22900115-G-CG01-HA01	152	47133	Yes	Yes	Yes
2	TUR-2023/AUT/013	TR22900115-G-CG01-HA02	265	49683	Yes	Yes	Yes
3	TUR-2023/AUT/013	TR22900115-G-CG01-HA03	241	44153	Yes	Yes	Yes
4	TUR-2023/AUT/013	TR22900109-G-HA01	92	24209	Yes	Yes	Yes
5	TUR-2023/AUT/013	TR22900109-G-HA02	167	48742	Yes	Yes	Yes
6	TUR-2023/AUT/013	TR21900201-G-MC01-HA01	150	19471	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
7	TUR-2023/AUT/013	TR22900115-G-CG01-HA04	202	27770	Yes	Yes	Yes
8	TUR-2023/AUT/013	TR22900115-G-CG01-HA05	118	22016	Yes	Yes	Yes
9	TUR-2023/AUT/013	TR22900109-G-HA03	68	18288	Yes	Yes	Yes
10	TUR-2023/AUT/013	TR22900109-G-HA04	134	36545	Yes	Yes	Yes
11	TUR-2023/AUT/013	TR21900201-G-MC01-HA02	125	21015	Yes	Yes	Yes
12	TUR-2023/AUT/013	TR22900109-G-HA05	76	22756	Yes	Yes	Yes
13	TUR-2023/AUT/013	TR22900106-G-HA01	262	50199	Yes	Yes	Yes
14	TUR-2023/AUT/013	TR22900106-G-HA02	100	21618	Yes	Yes	Yes
15	TUR-2023/AUT/013	TR21900201-G-MC01-HA03	101	14350	Yes	Yes	Yes
16	TUR-2023/AUT/013	TR22900106-G-HA03	158	14600	Yes	Yes	Yes
17	TUR-2023/AUT/013	TR22900109-G-HA06	51	16536	Yes	Yes	Yes
18	TUR-2023/AUT/013	TR22900106-G-HA04	247	17860	Yes	Yes	Yes
19	TUR-2023/AUT/013	TR21900201-G-MC01-HA04	125	17443	Yes	Yes	Yes
20	TUR-2023/AUT/013	TR22900106-G-HA05	130	13023	Yes	Yes	Yes
21	TUR-2023/AUT/013	TR21900201-G-MC01-HA05	122	17098	Yes	Yes	Yes
22	TUR-2023/AUT/013	TR22900115-G-CG01-HA06	241	17794	Yes	Yes	Yes
23	TUR-2023/AUT/013	TR21900201-G-MC01-HA06	127	17713	Yes	Yes	Yes
24	TUR-2023/AUT/013	TR22900115-G-CG01-HA07	156	28247	Yes	Yes	Yes
25	TUR-2023/AUT/013	TR22900115-G-CG01-HA08	129	11319	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
26	TUR-2023/AUT/013	TR21900201-G-MC01-HA07	170	26067	Yes	Yes	Yes
27	TUR-2023/AUT/013	TR22900106-G-HA06	151	31225	Yes	Yes	Yes
28	TUR-2023/AUT/013	TR22900115-G-CG01-HA09	99	5665	Yes	Yes	Yes
29	TUR-2023/AUT/013	TR22900106-G-HA07	56	20241	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	21	21	0	0
2	30	30	0	0
3	27	27	0	0
4	13	13	0	0
5	26	26	0	0
6	18	18	0	0
7	25	25	0	0
8	15	15	0	0
9	10	10	0	0
10	17	17	0	0
11	16	16	0	0
12	10	10	0	0
13	32	32	0	0
14	15	15	0	0
15	15	15	0	0
16	20	20	0	0
17	13	13	0	0
18	30	30	0	0
19	17	17	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	18	18	0	0
21	17	17	0	0
22	30	30	0	0
23	17	17	0	0
24	20	20	0	0
25	18	18	0	0
26	20	20	0	0
27	20	20	0	0
28	14	14	0	0
29	10	10	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Farm	No	
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Panama		Carrier	No	BFT Processing Vessel (xxx was main processing vessel in the whole harvest season)
		Türkiye		Other	No	Carried frozen fish (Sardine) as a bait for BFT cages. (No involved in BFT harvest operations during whole BFT harvest season)
		Japan		Carrier	No	BFT Processing Vessel (xxxonly gave BFT to xxx between 28.01.23 and 29.01.23)

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0746</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	Ismail Burak Daban
Observer ICCAT ID No	578
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	26/12/2022		Ankara, Türkiye
Date of mobilisation	01/01/2023		
Arrival to port / farm	01/01/2023		Urla, İzmir, Türkiye
Request dates	02/01/2023	21/02/2023	
Deployment period	02/01/2023	21/02/2023	
Departure from port / farm	22/02/2023		Urla, İzmir, Türkiye
Return home	22/02/2023		
Debriefing	01/03/2023		Ankara, Türkiye

The observer was also deployed on AT001TUR00005 and AT001TUR00013 during the deployment.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-143	633	91549	TR21900200-G
TUR-XXX-2022-041	1290	287703	TR22900005
TUR-XXX-2022-042	2988	403650	TR22900112-G
TUR-XXX-2022-043	1478	158118	TR22900110-G
TUR-XXX-2022-044	650	141431	TR22900029

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	05/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
2	06/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
3	09/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
4	11/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
5	13/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
6	15/01/2023	Bulk Harvest	TUR-XXX-2022-044	Yes	Yes		
7	16/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
8	16/01/2023	Bulk Harvest	TUR-XXX-2022-044	Yes	Yes		
9	21/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
10	23/01/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
11	25/01/2023	Bulk Harvest	TUR-XXX-2022-044	Yes	Yes		
12	26/01/2023	Bulk Harvest	TUR-XXX-2021-143	Yes	Yes		
13	28/01/2023	Bulk Harvest	TUR-XXX-2021-143	Yes	Yes		
14	28/01/2023	Bulk Harvest	TUR-XXX-2022-044	Yes	Yes		
15	29/01/2023	Bulk Harvest	TUR-XXX-2022-044	Yes	Yes		
16	29/01/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
17	01/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
18	02/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	05/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
20	08/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
21	09/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
22	12/02/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
23	14/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
24	15/02/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
25	15/02/2023	Bulk Harvest	TUR-XXX-2021-143	Yes	Yes		
26	16/02/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
27	16/02/2023	Bulk Harvest	TUR-XXX-2022-043	Yes	Yes		
28	16/02/2023	Bulk Harvest	TUR-XXX-2022-041	Yes	Yes		
29	19/02/2023	Bulk Harvest	TUR-XXX-2022-043	Yes	Yes		
30	19/02/2023	Bulk Harvest	TUR-XXX-2022-042	Yes	Yes		
31	20/02/2023	Bulk Harvest	TUR-XXX-2022-043	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	148	44560	148	44502

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
2	184	45327	184	45288
3	144	29249	144	29233
4	114	22920	114	22865
5	128	22275	128	22234
6	152	46066	152	46021
7	52	14618	52	14591
8	125	31222	125	31192
9	170	34037	170	34000
10	297	29792	297	29737
11	78	21214	78	21175
12	276	37740	276	37686
13	283	45266	283	45230
14	39	10050	39	10031
15	205	35888	205	35842
16	215	29250	215	29198
17	145	38355	145	38299
18	141	34800	141	34739
19	206	64388	206	64308
20	144	39311	144	39256

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
21	90	23649	90	23591
22	126	27369	126	27319
23	149	42106	149	42049
24	318	42698	318	42620
25	50	12509	50	12493
26	101	26662	101	26619
27	11	2409	11	2405
28	90	26510	90	26477
29	202	48080	202	48022
30	360	31797	360	31701
31	171	50549	171	50497

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2023/AUT/004	TR22900112-G-HA01	148	44502	Yes	Yes	Yes
2	TUR-2023/AUT/004	TR22900112-G-HA02	184	45288	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
3	TUR-2023/AUT/004	TR22900112-G-HA03	144	29233	Yes	Yes	Yes
4	TUR-2023/AUT/004	TR22900112-G-HA04	114	22865	Yes	Yes	Yes
5	TUR-2023/AUT/004	TR22900112-G-HA05	128	22234	Yes	Yes	Yes
6	TUR-2023/AUT/004	TR22900029-HA01	152	46021	Yes	Yes	Yes
7	TUR-2023/AUT/004	TR22900112-G-HA06	52	14591	Yes	Yes	Yes
8	TUR-2023/AUT/004	TR22900029-HA02	125	31192	Yes	Yes	Yes
9	TUR-2023/AUT/004	TR22900112-G-HA07	170	34000	Yes	Yes	Yes
10	TUR-2023/AUT/004	TR22900112-G-HA08	297	29737	Yes	Yes	Yes
11	TUR-2023/AUT/004	TR22900029-HA03	78	21175	Yes	Yes	Yes
12	TUR-2023/AUT/004	TR21900200-G-MC03-HA01	276	37686	Yes	Yes	Yes
13	TUR-2023/AUT/004	TR21900200-G-MC03-HA02	283	45230	Yes	Yes	Yes
14	TUR-2023/AUT/004	TR22900029-HA04	39	10031	Yes	Yes	Yes
15	TUR-2023/AUT/004	TR22900029-HA05	205	35842	Yes	Yes	Yes
16	TUR-2023/AUT/004	TR22900005-TR01-HA01	215	29198	Yes	Yes	Yes
17	TUR-2023/AUT/004	TR22900005-TR01-HA02	145	38299	Yes	Yes	Yes
18	TUR-2023/AUT/004	TR22900005-TR01-HA03	141	34739	Yes	Yes	Yes
19	TUR-2023/AUT/004	TR22900005-TR01-HA04	206	64308	Yes	Yes	Yes
20	TUR-2023/AUT/004	TR22900005-TR01-HA05	144	39256	Yes	Yes	Yes
21	TUR-2023/AUT/004	TR22900005-TR01-HA06	90	23591	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
22	TUR-2023/AUT/004	TR22900112-G-HA09	126	27319	Yes	Yes	Yes
23	TUR-2023/AUT/004	TR22900005-TR01-HA07	149	42049	Yes	Yes	Yes
24	TUR-2023/AUT/004	TR22900112-G-HA010	318	42620	Yes	Yes	Yes
25	TUR-2023/AUT/004	TR21900200-G-MC03-HA03	50	12493	Yes	Yes	Yes
26	TUR-2023/AUT/004	TR22900112-G-HA011	101	26619	Yes	Yes	Yes
27	TUR-2023/AUT/004	TR22900110-G-HA01	11	2405	Yes	Yes	Yes
28	TUR-2023/AUT/004	TR22900005-TR01-HA08	90	26477	Yes	Yes	Yes
29	TUR-2023/AUT/004	TR22900110-G-HA02	202	48022	Yes	Yes	Yes
30	TUR-2023/AUT/004	TR22900112-G-HA012	360	31701	Yes	Yes	Yes
31	TUR-2023/AUT/004	TR22900110-G-HA03	171	50497	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	30	30	0	0
2	25	25	0	0
3	16	16	0	0
4	13	13	0	0
5	14	14	0	0
6	22	22	0	0
7	10	10	0	0
8	18	18	0	0
9	21	21	0	0
10	35	35	0	0
11	14	14	0	0
12	31	31	0	0
13	33	33	0	0
14	9	9	0	0
15	25	25	0	0
16	27	27	0	0
17	19	19	0	0
18	18	18	0	0
19	25	25	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	19	19	0	0
21	14	14	0	0
22	16	16	0	0
23	19	19	0	0
24	39	39	0	0
25	19	19	0	0
26	16	16	0	0
27	8	8	0	0
28	16	16	0	0
29	26	26	0	0
30	45	45	0	0
31	24	24	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Farm	No	
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Panama		Carrier	No	BFT Processing Vessel (xxx was main processing vessel in the whole harvest season)
		Türkiye		Other	No	Carried frozen fish (Sardine) as a bait for BFT cages. (No involved in BFT harvest operations during whole BFT harvest season)
		Japan		Carrier	No	BFT Processing Vessel (Xxx only gave BFT to xxx between 28.01.23 and 29.01.23)

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0746</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	Ismail Burak Daban
Observer ICCAT ID No	578
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	26/12/2022		Ankara, Türkiye
Date of mobilisation	01/01/2023		
Arrival to port / farm	01/01/2023		Urla, İzmir, Türkiye
Request dates	02/01/2023	21/02/2023	
Deployment period	02/01/2023	21/02/2023	
Departure from port / farm	22/02/2023		Urla, İzmir, Türkiye
Return home	22/02/2023		
Debriefing	01/03/2023		Ankara, Türkiye

The observer was also deployed on AT001TUR00004 and AT001TUR00013 during the deployment.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-055	230	45697	TR22900116-G
TUR-XXX-2022-056	170	24424	TR21900204-G-MC01-LT01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	09/01/2023	Bulk Harvest	TUR-XXX-2022-055	Yes	Yes		
2	11/01/2023	Bulk Harvest	TUR-XXX-2022-055	Yes	Yes		
3	21/01/2023	Bulk Harvest	TUR-XXX-2022-056	Yes	Yes		
4	23/01/2023	Bulk Harvest	TUR-XXX-2022-056	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	126	25033	126	25003
2	104	20994	104	20956
3	72	10360	72	10336
4	98	14682	98	14633

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	TUR-2023/AUT/005	TR22900116-G-HA01	126	25003	Yes	Yes	Yes
2	TUR-2023/AUT/005	TR22900116-G-HA02	104	20956	Yes	Yes	Yes
3	TUR-2023/AUT/005	TR21900204-G-MC01-LT01-HA01	72	10336	Yes	Yes	Yes
4	TUR-2023/AUT/005	TR21900204-G-MC01-LT01-HA02	98	14633	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	18	18	0	0
2	14	14	0	0
3	11	11	0	0
4	15	15	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Farm	No	
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Türkiye		Farm	No	Realised harvested BFT transfer between cages and processing vessel (xxx)
		Panama		Carrier	No	BFT Processing Vessel (xxx was main processing vessel in the whole harvest season)
		Türkiye		Other	No	Carried frozen fish (Sardine) as a bait for BFT cages. (No involved in BFT harvest operations during whole BFT harvest season)
		Japan		Carrier	No	BFT Processing Vessel (Xxx only gave BFT to xxx between 28.01.23 and 29.01.23)

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0750</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Margarita Uhoda
Observer ICCAT ID No	882
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	18/02/2023		Lisbon, PORTUGAL
Date of mobilisation	17/02/2023		
Arrival to port / farm	19/02/2023		San Pedro Del Pinatar, SPAIN
Request dates	20/02/2023	03/04/2023	
Deployment period	20/02/2023	03/04/2023	
Departure from port / farm	03/04/2023		San Pedro Del Pinatar, SPAIN
Return home	04/04/2023		
Debriefing	11/04/2023		Split, CROATIA

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

There was no information on the farm contents provided.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1	Harvest	29/03/2023	07:38	N/A	N/A	ESP 002	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

The observer erroneously signed the release report despite no prior to release segregation being performed.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	20/02/2023	Fresh Export	ESP002	Yes	Yes		
2	23/02/2023	Fresh Export	ESP002	Yes	Yes		
3	27/02/2023	Fresh Export	ESP002	Yes	Yes		
4	02/03/2023	Fresh Export	ESP002	Yes	Yes		
5	06/03/2023	Fresh Export	ESP002	Yes	Yes		
6	13/03/2023	Fresh Export	ESP002	Yes	Yes		
7	16/03/2023	Fresh Export	ESP002	Yes	Yes		
8	20/03/2023	Fresh Export	ESP002	Yes	Yes		
9	23/03/2023	Fresh Export	ESP002	Yes	Yes		
10	27/03/2023	Fresh Export	ESP026	Yes	Yes		
11	30/03/2023	Fresh Export	ESP026	Yes	Yes		
12	03/04/2023	Fresh Export	ESP026	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	31	2544	31	2544
2	34	2441	34	2441
3	39	2794	39	2794
4	23	1626	23	1626
5	24	1566	24	1566
6	9	597	9	597
7	6	396	6	396
8	13	769	13	769
9	16	1091	16	1091
10	9	1063	9	1063
11	8	1078	8	1078
12	16	2204	16	2204

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU_ESP_2022_DSDT	IT22901022-MC01-HA05	31	2544	Yes	Yes	Yes
2	EU_ESP_2022_DSDT	IT22901022-MC01-HA06	34	2441	Yes	Yes	Yes
3	EU_ESP_2022_DSDT	IT22901022-MC01-HA07	39	2794	Yes	Yes	Yes
4	EU_ESP_2022_DSDT	IT22901022-MC01-HA08	23	1626	Yes	Yes	Yes
5	EU_ESP_2022_DSDT	IT22901022-MC01-HA09	24	1566	Yes	Yes	Yes
6	EU_ESP_2022_DSDT	IT22901022-MC01-HA010	9	597	Yes	Yes	Yes
7	EU_ESP_2022_DSDT	IT22901022-MC01-HA011	6	396	Yes	Yes	Yes
8	EU_ESP_2022_DSDT	IT22901022-MC01-HA012	13	769	Yes	Yes	Yes
9	EU_ESP_2022_DSDT	IT22901022-MC01-HA011	4	379	Yes	Yes	Yes
9	EU_ESP_2022_DSDT	IT22901022-MC01-HA013	12	712	Yes	Yes	Yes
10	EU_ESP_2022_DSDT	FR22900777-CG04-MCO1-HAO6	9	1063	Yes	Yes	Yes
11	EU_ESP_2022_DSDT	FR22900777-CG04-MCO1-HAO7	8	1078	Yes	Yes	Yes
12	EU_ESP_2022_DSDT	FR22900777-CG03-MCO1-MCO1-HAO8	16	2204	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	REL1
No prior segregation of tuna to be released, into an empty transport cage occurred	X
Release not conducted at a minimum distance of 10 miles from the farm, or in the case of less than 5 tonnes of tuna, a minimum of 5 miles.	X

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

For the release operation from cage ESP-002 conducted on 29/03/2023, following the release order EFD/bas issued on 23/03/2023, no prior to release segregation operation was performed. This is in potential non-compliance with Annex 10 Para 3-4 of Rec. 21-08 which requires that “the fish to be released is segregated and moved to an empty transport cage, and the transfer of the fish to the transport cage is monitored by control camera in the water, in accordance with the minimum standards set out in Annex 8”; and that this “prior segregation of the fish shall be conducted in the presence of an ICCAT regional observer.”

Furthermore, the tuna were released directly from the farm cage rather than be towed the requisite distance from the farm in potential non-compliance with Annex 10 Para 3-4 of Rec. 21-08 which requires that “Release operations from farms must be executedat a minimum distance of 10 miles from the farm. For releases of less than 5 tonnes of bluefin tuna, the farm CPC competent authority may set a shorter distance, of minimum 5 miles, for the release”.

The farm produced the report 003 which was erroneously signed by the observer, rather than inputting her name, ROP-BFT number and the PNC codes RSEG and RDIS.

A total of 7 fish were released.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	31	31	0	0
2	34	34	0	0
3	39	39	0	0
4	23	23	0	0
5	24	24	0	0
6	9	9	0	0
7	6	6	0	0
8	13	13	0	0
9	16	16	0	0
10	9	9	0	0
11	8	8	0	0
12	16	16	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	NA
		EU.España		Farm	No	NA
		EU.España		Farm	No	NA
		EU.España		Farm	No	NA

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0751</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Nélia Penteado
Observer ICCAT ID No	867
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	09/03/2023		Lisbon, Portugal
Date of mobilisation	09/03/2023		
Arrival to port / farm	10/03/2023		l'Ametlla de Mar, Spain
Request dates	11/03/2023	09/06/2023	
Deployment period	11/03/2023	09/06/2023	
Departure from port / farm	10/06/2023		l'Ametlla de Mar, Spain
Return home	11/06/2023		
Debriefing	19/06/2023		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-012	223		ES22901469
ESP-012	117		ES22901550-CG02
ESP-012	261		FR22900756
ESP-012	21		FR22900820-CG02
ESP-012	40		IT22900966
ESP-012	11		IT22901015-CG02
ESP-016	230		ES22901468-CG02
ESP-016	11		ES22901513
ESP-016	23		ES22901516
ESP-016	230		ES22901530
ESP-016	360		FR22900755-CG02
ESP-016	402		FR22900788
ESP-016	14		FR22900794
ESP-016	114		FR22900803
ESP-016	32		IT22900965-CG02
ESP-016	51		IT22901002
ESP-021	347		ES22901566
ESP-021	399		FR22900828-CG01
ESP-021	174		IT22901030-LT01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-022	450		ES22901566
ESP-022	339		FR22900778
ESP-022	147		IT22900979
ESP-024	679		ES22901499
ESP-024	180		ES22901528
ESP-024	2		ES22901548
ESP-024	11		FR22900799
ESP-024	7		FR22900818
ESP-024	1		IT22900979
ESP-024	42		IT22900999
ESP-024	3		IT22901014
ESP-026	1		ES22901468-CG01
ESP-026	257		ES22901550-CG01
ESP-026	141		FR22900755-CG01
ESP-026	77		FR22900820-CG01
ESP-026	22		IT22900965-CG01
ESP-026	40		IT22901015-CG01
ESP-05	7		ES22901475
ESP-05	726		ES22901496-CG01
ESP-05	17		ES22901496-CG02
ESP-05	163		ES22901529

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-05	36		FR22900765
ESP-05	269		FR22900776-CG01
ESP-05	151		FR22900776-CG02
ESP-05	19		IT22900967
ESP-05	4		IT22900977-CG01
ESP-05	19		IT22900977-CG02
ESP-05	24		IT22901000

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	AUT013R	1580	233840
2	AUT015R	1598	263835
3	AUT014R	1558	193192
4	AUT003R	1206	134179
5	AUT004R	1443	232323
6	AUT008R	1278	1172190

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	06/06/2023	08:45			ESP-013R	ESP-021	Standard	Caging	Yes	Yes
2	07/06/2023	07:56			ESP-015R	ESP-022	Standard	Caging	Yes	Yes
3	07/06/2023	11:17			ESP-014R	ESP-003	Standard	Caging	No	No
4	09/06/2023	08:15			ESP-003R	ESP-026	Standard	Caging	Yes	Yes
5	09/06/2023	11:15			ESP-004R	ESP-025	Standard	Caging	Yes	Yes
6	09/06/2023	14:20			ESP-008R	ESP-029	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1580	233840	4683	
2		Alive	1598	263670	5259	
3		Alive	1558	193192		
4		Alive	1206	133558.3	3525	
5		Alive	1443	232323	4524	
6		Alive	1278	142810.7	3819	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

No observer estimate for the number of tuna cages was possible for operation 3.

The observer was unable to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	ES23901404	ORERETA / 2023	944	139658.835
1	FR23900811	ORERETA / 2023	450	66541.043
1	IT23900710	ORERETA / 2023	186	27640.122
2	ES23901407-CG01	BUSTAMANTE S / 2023	954	157410.454
2	FR23900818-CG01	BUSTAMANTE S / 2023	454	75074.249
2	IT23900715-CG01	BUSTAMANTE S / 2023	190	31185.297
3	ES29901451	SOLER MOLINA / 2023	931	115382.183
3	FR23900889	SOLER MOLINA / 2023	443	54974.33

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
3	IT23900820	SOLER MOLINA / 2023	184	22835.487
4	ES23901430-CG01	MARIA SS. DI CONSTANTINOPOLI / 2023	720	80137
4	FR23900845-CG01	MARIA SS. DI CONSTANTINOPOLI / 2023	343	38182
4	IT23900731-CG01	MARIA SS. DI CONSTANTINOPOLI / 2023	143	15239.29
5	ES23901413	TAPILU / 2023	861	138752.821
5	FR23900828	TAPILU / 2023	412	66109.368
5	IT23900721	TAPILU / 2023	170	27460.811
6	ES23901430-CG02	PACO Y CARMEN / 2023	764	83973.401
6	FR23900845-CG02	PACO Y CARMEN / 2023	364	41131.144
6	IT23900731-CG02	PACO Y CARMEN / 2023	150	17706.165

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.
No group eBCDs were issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	Yes	5366, 5367, 5370, 5369, 5368, 5556, 5557, 5558, 5559, 5560, 5561, 5562, 5563, 5564, 5565, 5566, 5567, 5568, 5569, 5570, 5361, 5362, 5363, 5364
2		Yes	3	Yes	Yes	5996, 5997, 5999, 5998, 5451, 5455, 5454, 5453, 5452, 5571, 5572, 5575, 5573, 5574, 5576, 5580, 5577, 5578, 5579, 5446, 5447, 5448, 5450, 5449
3		Yes	2	No	Yes	5755, 5754, 5753, 5752, 5770, 5769, 5751, 5995, 5994, 5990, 5989, 5993, 5992, 5991, 5765, 5988, 5987, 5986, 5768, 5767, 5766, 5760, 5759, 5764, 5763, 5762, 5761, 5758, 5757, 5756
4		Yes	3	Yes	Yes	5585, 5584, 5583, 5582, 5581, 5590, 5388, 5386, 5389, 5387, 5391, 5391, 5394, 5395, 5400, 5393, 5398, 5399, 5586, 5587, 5396, 5588, 5589, 5397
5		Yes	4	Yes	Yes	5971, 5972, 5973, 5974, 5966, 5967, 5968, 5969, 5970, 5955, 5954, 5953
6		Yes	2	Yes	Yes	5952, 5951, 5960, 5959, 5958, 5957, 5956, 5965, 5964, 5963, 5962, 5961

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The cages were sealed using cage seals issued by the national authorities.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	15/03/2023	ESP-016	ESP-014	EFD/bas
2	15/03/2023	ESP-012	ESP-014	EFD/rhb/5
3	22/03/2023	ESP-014	ESP-011	EFD/rhb/7
4	05/04/2023	ESP-005	JC1	EFD/rhb/10
5	05/04/2023	JC1	ESP-016	EFD/rhb/10
6	12/04/2023	ESP-022	JC1	EFD/rhb/9
7	12/04/2023	JC1	ESP-018	EFD/rhb/9
8	19/04/2023	ESP-024	JC1	EFD/bgg/4
9	19/04/2023	JC1	ESP-018	EFD/bgg/4
10	26/04/2023	ESP-011	ESP-012	EFD/bas/b
11	26/04/2023	ESP-012	ESP-011	EFD/bas/b
12	26/04/2023	ESP-014	ESP-016	EFD/bas/1
13	04/05/2023	ESP-16	ESP-014	EFD/bas/b
14	18/05/2023	ESP-021	JC1	EFD/rhb/1
15	18/05/2023	JC1	ESP-018	EFD/rhb/1
16	05/06/2023	ESP-26	JC1	EFD/bas/3
17	05/06/2023	JC1	ESP-018	EFD/bas/3

* Operation number: Unique identification field linked to the deployment data set.
The observer was present at all transfers but did not review video footage.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
1	1270		FR22900755-CG02-MC01	N/A		
2	673			N/A		
3	227		ES22901468-CG02-MC01-MC01	N/A		
3	5		ES22901513-MC01-MC01	N/A		
4	833			N/A		
5	833			N/A		
6	936			N/A		
7	936			N/A		
8	925			N/A		
9	925			N/A		
10				N/A		
11				N/A		
12				N/A		
13				N/A		
14	227		FR22900828-CG01-MC01	N/A		
14	14		IT22901030-LT01-MC01	N/A		
14	19		IT22901566-MC02	N/A		
15	227		FR22900828-CG01-MC01	N/A		
15	14		IT22901030-LT01-MC01	N/A		

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
15	19		IT22901566-MC02	N/A		
16				N/A		
17				N/A		

* Intra farm transfer operations as per Table 16.
The farm did not provide estimates for operations 10, 11, 12, 13, 16 and 17.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	13/03/2023	Fresh Export	ESP-016	Yes	Yes		
2	14/03/2023	Fresh Export	ESP-016	Yes	Yes		
3	14/03/2023	Incidental / Natural Mortality	ESP-016	Yes	Yes		
4	16/03/2023	Fresh Export	ESP-014	Yes	Yes		
5	17/03/2023	Fresh Export	ESP-014	Yes	Yes		
6	20/03/2023	Fresh Export	ESP-014	Yes	Yes		
7	21/03/2023	Fresh Export	ESP-014	Yes	Yes		
8	23/03/2023	Fresh Export	ESP-005	Yes	Yes		
9	24/03/2023	Fresh Export	ESP-005	Yes	Yes		
10	26/03/2023	Fresh Export	ESP-005	Yes	Yes		
11	28/03/2023	Fresh Export	ESP-005	Yes	Yes		
12	29/03/2023	Fresh Export	ESP-005	Yes	Yes		
13	30/03/2023	Fresh Export	ESP-005	Yes	Yes		
14	31/03/2023	Fresh Export	ESP-005	Yes	Yes		
15	03/04/2023	Fresh Export	ESP-005	Yes	Yes		
16	04/04/2023	Fresh Export	ESP-005	Yes	Yes		
17	06/04/2023	Fresh Export	ESP-014	Yes	Yes		
18	11/04/2023	Fresh Export	ESP-016	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	13/04/2023	Fresh Export	ESP-021	Yes	Yes		
20	14/04/2023	Fresh Export	ESP-021	Yes	Yes		
21	17/04/2023	Fresh Export	ESP-021	Yes	Yes		
22	18/04/2023	Fresh Export	ESP-021	Yes	Yes		
23	20/04/2023	Fresh Export	ESP-021	Yes	Yes		
24	21/04/2023	Fresh Export	ESP-021	Yes	Yes		
25	24/04/2023	Fresh Export	ESP-021	Yes	Yes		
26	25/04/2023	Fresh Export	ESP-021	Yes	Yes		
27	27/04/2023	Fresh Export	ESP-021	Yes	Yes		
28	28/04/2023	Fresh Export	ESP-026	Yes	Yes		
29	02/05/2023	Fresh Export	ESP-018	Yes	Yes		
30	03/05/2023	Fresh Export	ESP-018	Yes	Yes		
31	05/05/2023	Fresh Export	ESP-018	Yes	Yes		
32	08/05/2023	Fresh Export	ESP-018	Yes	Yes		
33	08/05/2023	Incidental / Natural Mortality	ESP-018	Yes	Yes		
34	09/05/2023	Fresh Export	ESP-018	Yes	Yes		
35	10/05/2023	Fresh Export	ESP-026	Yes	Yes		
36	11/05/2023	Fresh Export	ESP-026	Yes	Yes		
37	12/05/2023	Fresh Export	ESP-018	Yes	Yes		
38	15/05/2023	Fresh Export	ESP-018	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	17/05/2023	Fresh Export	ESP-026	Yes	Yes		
40	19/05/2023	Fresh Export	ESP-026	Yes	Yes		
41	19/05/2023	Incidental / Natural Mortality	ESP-011	Yes	Yes		
42	22/05/2023	Fresh Export	ESP-018	Yes	Yes		
43	23/05/2023	Fresh Export	ESP-026	Yes	Yes		
44	25/05/2023	Fresh Export	ESP-026	Yes	Yes		
45	25/05/2023	Incidental / Natural Mortality	ESP-026	Yes	Yes		
46	26/05/2023	Fresh Export	ESP-026	Yes	Yes		
47	29/05/2023	Fresh Export	ESP-018	Yes	Yes		
48	30/05/2023	Fresh Export	ESP-018	Yes	Yes		
49	30/05/2023	Incidental / Natural Mortality	ESP-018	Yes	Yes		
50	01/06/2023	Fresh Export	ESP-018	Yes	Yes		
51	02/06/2023	Fresh Export	ESP-018	Yes	Yes		
52	05/06/2023	Fresh Export	ESP-018	Yes	Yes		
53	06/06/2023	Fresh Export	ESP-018	Yes	Yes		
54	08/06/2023	Fresh Export	ESP-018	Yes	Yes		
55	08/06/2023	Incidental / Natural Mortality	ESP-018	Yes	Yes		
56	09/06/2023	Fresh Export	ESP-018	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	152	40922.4	152	40922.4
2	44	12562.19	44	12562.19
3	1	284.4	1	284.4
4	30	9880.8	30	9880.8
5	81	20349.27	81	20358.31
6	163	47848.88	163	47848.88
7	29	8930.4	29	8930.4
8	23	6337.48	23	6337.48
9	80	21478.21	80	21478.21
10	103	30795.2	103	30795.2
11	63	15853.01	63	15853.01
12	18	6505.2	18	6505.2
13	22	6265.2	22	6265.2
14	85	23880	85	23880
15	157	40922.4	157	40922.4
16	51	15808.8	51	15808.8
17	98	23923.2	98	23923.2
18	164	31744.01	164	31744.01
19	34	8626.75	34	8626.75
20	94	22618.16	94	22618.16

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
21	173	45748.94	173	45748.94
22	27	8010	27	8010
23	34	8799.6	34	8799.6
24	88	24464.59	88	24464.59
25	162	50429.11	162	50428.81
26	20	7100.4	20	7100.4
27	28	9331.2	28	9331.2
28	110	29801.31	110	29834.34
29	146	39707.78	146	39707.78
30	35	11324.4	35	11324.4
31	111	27221.01	111	27221.01
32	170	48107.62	170	47757.62
33	1	567.6	1	567.6
34	26	8841.6	26	8841.6
35	12	3858	12	3858
36	11	3202.8	11	3202.8
37	100	24987.65	100	24987.65
38	164	54489.7	164	54496.9
39	18	6393.6	18	6393.6
40	86	27971.49	86	27971.49
41	1	332.4	1	332.4

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
42	158	50686.21	158	50686.21
43	22	9076.29	22	9076.29
44	14	5156.89	14	5156.89
45	1	465.6	1	465.6
46	75	27979.09	75	27979.09
47	109	35894.53	109	35894.53
48	46	14399.13	46	14399.13
49	1	361.2	1	340.13
50	25	8169.6	25	8163.6
51	78	25364.4	78	25364.4
52	126	40740.88	126	40470.88
53	61	20723.1	61	20723.1
54	21	7034.4	21	7034.4
55	1	355.2	1	355.2
56	71	22098.99	71	22098.99

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP/2023/0080/DST	FR22900755-CG02-HA013	48	14541.13	Yes	Yes	Yes
1	EU-ESP/2023/0081/DST	FR22900755-CG02-HA014	42	12578.4	Yes	Yes	Yes
1	EU-ESP/2023/0082/DST	FR22900755-CG02-HA015	4	1248	Yes	Yes	Yes
1	EU-ESP/2023/0083/DST	FR22900755-CG02-HA016	57	12509.6	Yes	Yes	Yes
1	EU-ESP/2023/0084/DST	FR22900755-CG02-HA017	1	252	Yes	Yes	Yes
2	EU-ESP/2023/0085/DST	FR22900755-CG02-HA018	44	12562.19	Yes	Yes	Yes
3	EU-ESP/2023/0086/DST	FR22900755-CG02-HA019	1	284.4	Yes	Yes	No
4	ESP/2023/0087/DST	FR22900788-HA01	30	9880.8	Yes	Yes	Yes
5	EU-ESP-2023-0088-DST	FR22900788-HA04	42	10793.13	Yes	Yes	Yes
5	EU-ESP-2023-0089-DST	FR22900788-HA03	39	9565.18	Yes	Yes	Yes
6	EU-ESP/2023/0090/DST	FR22900788-HA04	42	15703.12	Yes	Yes	Yes
6	EU-ESP/2023/0090/DST	FR22900788-HA05	40	12586.96	Yes	Yes	Yes
6	EU-ESP/2023/0090/DST	FR22900788-HA06	81	19558.8	Yes	Yes	Yes
7	EU-ESP-2023-0093-DST	FR22900788-HA07	29	8930.4	Yes	Yes	Yes
8	EU-ESP-2023-0094-DST	IT22901000-MC01-HA01	23	6337.48	Yes	Yes	Yes
9	EU-ESP-2023-0095-DST	ES22901529-MC01-HA02	32	8461.29	Yes	Yes	Yes
9	EU-ESP-2023-0096-DST	ES22901529-MC01-HA03	48	13016.92	Yes	Yes	Yes
10	EU-ESP-2023-0096-DST	FR22900776-CG02-MC01-HA01	61	17736	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
10	EU-ESP-2023-0097-DST	ES22901529-MC01-HA04	42	13069.2	Yes	Yes	Yes
11	EU-ESP-2023-0099-DST	ES22901529-MC01-HA05	30	7791.41	Yes	Yes	Yes
11	EU-ESP-2023-0100-DST	FR22900765-MC01-HA01	33	8061.6	Yes	Yes	Yes
12	EU-ESP-2023-0101-DST	IT22900967-MC01-HA01	18	6505.2	Yes	Yes	Yes
13	EU-ESP-2023-0102-DST	FR22900776-CG02-MC01-HA02	22	6265.2	Yes	Yes	Yes
14	EU-ESP-2023-0103-DST	ES22901496-CG01-HA05	42	11742	Yes	Yes	Yes
14	EU-ESP-2023-0104-DST	FR22900776-CG02-MC01-HA03	43	12138	Yes	Yes	Yes
15	EU-ESP-2023-105-DST	ES22901496-CG01-HA06	42	10320	Yes	Yes	Yes
15	EU-ESP-2023-106-DST	ES22901496-CG01-HA07	42	12079.2	Yes	Yes	Yes
15	EU-ESP-2023-107-DST	FR22900776-CG01-HA04	73	18523.2	Yes	Yes	Yes
16	EU-ESP-2023-0108-DST	FR22900776-CG01-HA05	51	15808.8	Yes	Yes	Yes
17	EU-ESP-2023-0109-DST	ES22901530-HA01	35	8894.4	Yes	Yes	Yes
17	EU-ESP-2023-0110-DST	FR22900788-HA08	63	15028.8	Yes	Yes	Yes
18	ESP/2023/0111/DST	ES22901496-CG01-MC01-HA01	50	11609.21	Yes	Yes	Yes
18	ESP/2023/0112/DST	ES22901496-CG01-MC01-HA02	40	9325.2	Yes	Yes	Yes
18	ESP/2023/0113/DST	ES22901496-CG01-MC01-HA03	74	10809.6	Yes	Yes	Yes
19	EU-ESP-2023-0114-DST	ES22901566-HA02	34	8626.75	Yes	Yes	Yes
20	EU-ESP-2023-0117-DST	ES22901566-HA05	47	12735.74	Yes	Yes	Yes
20	EU-ESP-2023-0118-DST	ES22901566-HA06	46	12220.8	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
21	EU-ESP-2023-0119-DST	ES22901566-HA07	80	20792.4	Yes	Yes	Yes
22	EU-ESP/2023/0120/DST	ES22901566-HA08	27	8010	Yes	Yes	Yes
23	EU-ESP-2023-0121-DST	IT22901030-LT01-HA01	34	8799.6	Yes	Yes	Yes
24	EU-ESP-2023-0122-DST	FR22900828-CG01-HA01	40	11484	Yes	Yes	Yes
24	EU-ESP-2023-0123-DST	IT22901030-LT01-HA02	44	12980.59	Yes	Yes	Yes
25	EU-ESP-2023-0124-DST	FR22900828-CG01-HA02	44	14287.38	Yes	Yes	Yes
25	EU-ESP-2023-0125-DST	FR22900828-CG01-HA03	40	12727.07	Yes	Yes	Yes
25	EU-ESP-2023-0126-DST	IT22901030-LT01-HA03	78	23414.36	Yes	Yes	Yes
26	EU-ESP-2023-0127-DST	FR22900828-CG01-HA04	20	7100.4	Yes	Yes	Yes
27	EU-ESP-2023-0128-DST	FR22900828-CG01-HA05	28	9331.2	Yes	Yes	Yes
28	EU-ESP-2023-0129-DST	ES22901550-CG01-MC01-HA01	41	11844.46	Yes	Yes	Yes
28	EU-ESP-2023-0130-DST	ES22901550-CG01-MC01-HA01	69	17989.88	Yes	Yes	Yes
29	EU-ESP-2023-0131-DST	ES22901566-MC01-HA01	40	12712.54	Yes	Yes	Yes
29	EU-ESP-2023-0132-DST	ES22901566-MC01-HA02	41	10526.44	Yes	Yes	Yes
29	EU-ESP-2023-0133-DST	ES22901566-MC01-HA03	65	16468.8	Yes	Yes	Yes
30	EU-ESP-2023-0134-DST	ES22901566-MC01-HA04	35	11324.4	Yes	Yes	Yes
31	EU-ESP-2023-0135-DST	ES22901499-HA01	39	10832.69	Yes	Yes	Yes
31	EU-ESP-2023-0136-DST	ES22901566-MC01-HA05	72	16388.32	Yes	Yes	Yes
32	EU-ESP-2023-0137-DST	ES22901499-HA02	45	14068.8	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
32	EU-ESP-2023-0138-DST	ES22901499-HA03	40	12390.4	Yes	Yes	Yes
32	EU-ESP-2023-0140-DST	ES22901566-MC01-HA06	85	21298.42	Yes	Yes	Yes
33	EU-ESP-2023-0139-DST	IT22900979-MC01	1	567.6	Yes	Yes	No
34	EU-ESP-2023-0141-DST	IT22900979-MC02-HA01	26	8841.6	Yes	Yes	Yes
35	EU-ESP-2023-0142-DST	IT22900965-CG01-HA05	12	3858	Yes	Yes	Yes
36	EU-ESP-2023-0143-DST	ES22901468-CG01-HA019	1	266.4	Yes	Yes	Yes
36	EU-ESP-2023-0144-DST	IT22900965-CG01-HA06	10	2936.4	Yes	Yes	Yes
37	EU-ESP-2023-0145-DST	ES22901499-HA04	40	11481.85	Yes	Yes	Yes
37	EU-ESP-2023-0146-DST	ES22901528-MC01-HA01	60	13505.8	Yes	Yes	Yes
38	EU-ESP-2023-0147-DST	ES22901499-HA05	46	16786.8	Yes	Yes	Yes
38	EU-ESP-2023-0148-DST	ES22901499-HA06	59	20361.23	Yes	Yes	Yes
38	EU-ESP-2023-0149-DST	ES22901499-HA07	59	17348.87	Yes	Yes	Yes
39	EU-ESP-2023-0150-DST	IT22901015-CG01-MC01-HA01	18	6393.6	Yes	Yes	Yes
40	EU-ESP-2023-0151-DST	ES22901550-CG01-MC01-HA02	41	13146.27	Yes	Yes	Yes
40	EU-ESP-2023-0153-DST	ES22901550-CG01-MC01-HA03	45	14825.22	Yes	Yes	Yes
41	EU-ESP-2023-0152-DST	ES22901513-MC01-MC01-HA01	1	332.4	Yes	Yes	No
42	EU-ESP-2023-0154-DST	ES22901499-HA08	43	14380.8	Yes	Yes	Yes
42	EU-ESP-2023-0155-DST	ES22901499-HA09	40	12656.03	Yes	Yes	Yes
42	EU-ESP-2023-0156-DST	IT22900979-MC02-HA02	75	23649.38	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
43	EU-ESP-2023-0157-DST	IT22901015-CG01-MC01-HA02	22	8464.29	Yes	Yes	Yes
43	EU-ESP-2023-0158-DST	FR22900820-CG01-MC01-HA02	2	612	Yes	Yes	Yes
44	EU-ESP-2023-0159-DST	ES22901550-CG01-MC01-HA04	14	5156.89	Yes	Yes	Yes
45	EU-ESP-2023-0160-DST	FR22900820-CG01-MC01-HA03	1	465.6	Yes	Yes	No
46	EU-ESP-2023-0161-DST	ES22901550-CG01-MC01-HA05	31	11474.56	Yes	Yes	Yes
46	EU-ESP-2023-0162-DST	ES22901550-CG01-MC01-HA06	39	14267.73	Yes	Yes	Yes
46	EU-ESP-2023-0163-DST	FR22900820-CG01-MC01-HA04	5	2236.8	Yes	Yes	Yes
47	EU-ESP-2023-0165-DST	ES22901499-HA010	40	13627.75	Yes	Yes	Yes
47	EU-ESP-2023-0166-DST	ES22901566-MC01-HA07	19	6554.1	Yes	Yes	Yes
47	EU-ESP-2023-0167-DST	ES22901499-HA011	50	15712.68	Yes	Yes	Yes
48	EU-ESP-2023-0169-DST	IT22900979-MC02-HA03	46	14399.13	Yes	Yes	Yes
49	EU-ESP-2023-0168-DST	ES22901548-MC01-HA01	1	340.13	Yes	Yes	No
50	EU-ESP-2023-0170-DST	FR22900799-MC01	11	3704.4	Yes	Yes	Yes
50	EU-ESP-2023-0171-DST	IT22901030-LT01-MC01	14	4459.2	Yes	Yes	Yes
51	EU-ESP-2023-0172-DST	ES22901499-HA012	31	10599.6	Yes	Yes	Yes
51	EU-ESP-2023-0173-DST	FR22900778-HA01	47	14764.8	Yes	Yes	Yes
52	EU-ESP-2023-0174-DST	ES22901566-MC01-HA08	54	17590.76	Yes	Yes	Yes
52	EU-ESP-2023-0175-DST	ES22901528-MC01-HA02	72	23150.12	Yes	Yes	Yes
53	EU-ESP-2023-0176-DST	FR22900778-HA02	61	20723.1	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
54	EU-ESP-2023-0177-DST	IT22900999-MC01-HA01	21	7034.4	Yes	Yes	Yes
55	EU-ESP-2023-0178-DST	IT22900999-MC01-HA02	1	355.2	Yes	Yes	No
56	EU-ESP-2023-0179-DST	ES22901566-MC01-MC01	39	12463.2	Yes	Yes	Yes
56	EU-ESP-2023-0179-DST	ES22901566-MC02-HA02	11	3451.2	Yes	Yes	Yes
56	EU-ESP-2023-0180-DST	ES22901566-MC02-HA01	8	1901.79	Yes	Yes	Yes
56	EU-ESP-2023-0181-DST	IT22900999-MC01-MC01-HA01	13	4282.8	Yes	Yes	Yes

* Harvest operation as per Table 18.

The observer did not sign the eBCDs issued for the natural/incidental mortalities from operations 3, 33, 41, 45, 49 and 55.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	Caging op 3
Independent observer estimate of amount caged was not possible due to video quality	X

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

An independent estimate of the amount of tuna caged was not possible due to poor video quality. This is a possible non-compliance with Rec. 21-08; Para 162; Annex 8 Para 1 e).

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	152	152	0	0
2	43	43	0	1
3	1	1	0	0
4	30	30	0	0
5	81	81	1	1
6	163	163	0	0
7	29	29	0	0
8	23	23	0	0
9	80	80	1	1
10	103	103	0	0
11	63	63	0	0
12	18	18	0	0
13	22	22	0	0
14	85	85	0	0
15	157	157	0	0
16	51	51	0	0
17	98	98	0	0
18	164	164	0	0
19	34	34	0	0
20	94	94	0	0
21	173	173	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
22	27	27	0	0
23	34	34	0	0
24	88	88	0	0
25	162	162	0	0
26	20	20	0	0
27	28	28	0	0
28	110	110	0	0
29	146	146	0	0
30	35	35	0	0
31	111	111	0	0
32	170	170	0	0
33	1	1	0	0
34	26	26	0	0
35	12	12	0	0
36	11	11	0	0
37	100	100	0	0
38	164	164	0	0
39	18	18	0	0
40	86	86	0	0
41	1	1	0	0
42	158	158	0	0
43	24	24	0	0
44	14	14	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
45	1	1	0	0
46	75	75	0	0
47	109	109	0	0
48	46	46	0	0
49	1	1	0	0
50	25	25	0	0
51	78	78	0	0
52	126	126	0	0
53	61	61	0	0
54	21	21	0	0
55	1	1	0	0
56	71	71	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
2	Double spaghetti tag	N/A	209	SFL	158	Dressed	No	N/A
5	Single spaghetti tag	AAB006528	163	SFL	83	Dressed	Yes	Fin Clip
9	Single spaghetti tag	BYP 057279	231	SFL	224	Whole	Yes	Fin Clip

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Support	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.Italy		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0752</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Ana Barta
Observer ICCAT ID No	884
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	26/02/2023		Split, Croatia
Date of mobilisation	26/02/2023		
Arrival to port / farm	27/02/2023		Valletta, Malta
Request dates	28/02/2023	04/03/2023	
Deployment period	28/02/2023	04/03/2023	
Departure from port / farm	04/03/2023		Valletta, Malta
Return home	16/03/2023		
Debriefing	16/03/2023		Split, Croatia

The observer continued onto deployment 001EU0753 afterwards, before debrief and travelling home.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT003xx	99	31537.737	DZ22900004-TR01
EUMLT003xx	19	6052.697	MT22900389-G-MC01
EUMLT003xx	216	68809.608	MT22900389-G-MC02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	02/03/2023	Bulk Harvest	EUMLT003xx	Yes	Yes		
2	03/03/2023	Bulk Harvest	EUMLT003x	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	147	36230	147	36230
2	170	35222	170	35222

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-0077-xx	DZ22900004-TR01-MC01-HA01	99	24400	Yes	Yes	Yes
1	MLT-2022-0077-xx	MT22900389-G-MC01-MC01-HA01	19	4682	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MLT-2022-0077-xx	MT22900389-G-MC02-MC01-HA01	29	7148	Yes	Yes	Yes
2	MLT-2022-0078-xx	MT22900389-G-MC02-MC01-HA02	170	35222	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	15	15	0	0
2	12	12	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Japan		Carrier	No	
		EU.Malta		Farm	No	
		EU.Malta		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0754	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Silvestre Ramos Natario
Observer ICCAT ID No	500
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	02/04/2023		REMOTE
Date of mobilisation	03/04/2023		
Arrival to port / farm	03/04/2023		San Pedro del Pinatar/
Request dates	04/04/2023	10/05/2023	
Deployment period	04/04/2023	10/05/2023	
Departure from port / farm	11/05/2023		
Return home	12/05/2023		
Debriefing	15/05/2023		REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP026	27	n/a	FR22900777-CG04-MC01; ES22901504-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	05/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
2	10/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
3	13/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
4	17/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
5	18/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
6	20/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
7	24/04/2023	Incidental / Natural Mortality	ESP026	Yes	Yes	N/A	N/A
8	27/04/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
9	02/05/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
10	04/05/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A
11	08/05/2023	Fresh Export	ESP026	Yes	Yes	N/A	N/A

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	11	1363	11	1363
2	12	1502	12	1502
3	8	1087	8	1087
4	40	5667	40	5667
5	1	113	1	113
6	19	2835	19	2835
7	18	2375	18	2375
8	5	626	5	626
9	15	1863	15	1863
10	9	1214	9	1214
11	64	7911	64	7911

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/ 246 /DSDT	FR22900777-CG04-MC01-HA08	11	1363	Yes	Yes	Yes
2	EU-ESP-2022/ 247/DSDT	FR22900777-CG04-MC01-HA09	12	1502	Yes	Yes	Yes
3	EU-ESP-2022/ 248 /DSDT	FR22900777-CG03- MC01-MC01-HA09	8	1087	Yes	Yes	Yes
4	EU-ESP-2022/ 249 /DSDT	FR22900777-CG03- MC01-MC01-HA10	40	5667	Yes	Yes	Yes
5	EU-ESP-2022/ 250 /DSDT	FR22900777-CG03- MC01-MC01-HA11	1	113	Yes	Yes	Yes
6	EU-ESP-2022/ 251 /DSDT	FR22900777-CG03- MC01-MC01-HA12	19	2835	Yes	Yes	Yes
7	EU-ESP-2022/ 252 /DSDT	FR22900777-CG03- MC01-MC01-HA13	18	2375	Yes	Yes	Yes
8	EU-ESP-2022/ 253 /DSDT	FR22900784-MC01-HA05	5	626	Yes	Yes	Yes
9	EU-ESP-2022/ 254 /DSDT	HOP_09 FR22900777-CG03-MC01-MC01-HA014 ;HOP09_FR22900784-MC01-HA06	15	1863	Yes	Yes	Yes
10	EU-ESP-2022/ 255 /DSDT	ES22901504-MC01-HA02	9	1214	Yes	Yes	Yes
11	EU-ESP-2022/ 256 /DSDT ;EU-ESP-2022/ 257 /DSDT	FR22900777-CG04-MC01-HA010	64	7911	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	11	11	0	0
2	12	12	0	0
3	8	8	0	0
4	40	40	0	0
5	1	1	0	0
6	19	19	0	0
7	18	18	0	0
8	5	5	0	0
9	15	15	0	0
10	9	9	0	0
11	64	64	0	1

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
11	Single spaghetti tag	BYP0742293	198	N/A	141	Whole	0	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Catching	No	N/A
		EU.España		Catching	No	N/A
		EU.Portugal		Dive	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0755</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Barbara Alvarez
Observer ICCAT ID No	793
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	09/04/2023		Valencia, Spain
Date of mobilisation	08/04/2023		
Arrival to port / farm	09/04/2023		Cartagena, Spain
Request dates	10/04/2023	09/07/2023	
Deployment period	10/04/2023	09/07/2023	
Departure from port / farm	10/07/2023		Cartagena, Spain
Return home	10/07/2023		
Debriefing	18/07/2023		Valencia, Spain

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-042	50		ES22901539
ESP-042	644		FR22900814-LT01-CG01
ESP-044	147		ES22901531-CG02
ESP-044	197		FR22900805-CG02
ESP-046	194		FR22900819-CG02-MC02-MC01
ESP-046	157		FR22900822-LT01-CG02-MC01
ESP-052	39		FR22900822-LT01-CG03-MC01-MC01
ESP-053	189		IT22900986
ESP-053	440		IT22901046

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	AUT054R	1250	193750
2	AUT054R	1250	193750
3	AUT048R	1280	192000
4	AUT033R	841	141919
5	AUT040R	800	120000
6	AUT039R	676	104128
7	AUT066R	1200	202733
8	AUT067R	1434	242267
9	AUT059R	1159	195581
10	AUT049R	1360	272100
11	AUT060R	960	147875
12	AUT061R	1300	200247

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	17/06/2023	14:00	MARIA GADOR	ATEU0ESP04066	ESP-054R	ESP-065	Standard	Caging	No	No

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
2	19/06/2023	12:52			ESP-065R	ESP-064	Standard	Caging	Yes	Yes
3	21/06/2023	14:00			ESP-048R	ESP-063	Standard	Caging	Yes	Yes
4	22/06/2023	13:00			ESP-033R	ESP-062	Standard	Caging	No	No
5	23/06/2023	11:00			ESP-040R	ESP-061	Standard	Caging	No	No
6	24/06/2023	12:00			ESP-039R	ESP-060	Standard	Caging	No	No
7	25/06/2023	11:03			ESP-066R	ESP-059	Standard	Caging	Yes	Yes
8	26/06/2023	12:47			ESP-067R	ESP-058	Standard	Caging	No	No
9	27/06/2023	11:10			ESP-059R	ESP-057	Standard	Caging	No	No
10	28/06/2023	12:00			ESP-049R	ESP-056	Standard	Caging	No	No
11	29/06/2023	12:43			ESP-060R	ESP-055	Standard	Caging	Yes	Yes
12	30/06/2023	12:00			ESP-061R	ESP-054	Standard	Caging	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1250	193750	1384	
1		Dead	0	0	0	0
2		Alive	1250	193750	1212	
2		Dead	0	0	0	0
3		Alive	1280	192000	1346	
3		Dead	0	0	0	0
4		Alive	841	141918.8		
4		Dead	0	0	0	0
5		Alive	800	120000		
5		Dead	0	0	0	0
6		Alive	676	104128	1175	
6		Dead	0	0	0	0
7		Alive	1200	202733	1277	
7		Dead	0	0	0	0
8		Alive	1434	242267.2		
8		Dead	0	0	0	0
9		Alive	1159	195581.2		
9		Dead	0	0	0	0
10		Alive	1360	272100		

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
10		Dead	0	0	0	0
11		Alive	960	147874.7	1054	
11		Dead	0	0	0	0
12		Alive	1300	200246.9		
12		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

The observer was unable to estimate the number of tuna caged for operations 4, 5, 8, 9, 10 and 12 due to poor video quality.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	ES23901427-CG01		383	59418.514
1	FR23900842-CG01		867	134331.486
2	ES23901427-CG02		383	59418.514
2	FR23900842-CG02		867	134331.486
3	ES23901443		391	58907.025
3	FR23900872-CG01		889	133092.974
4	ES23901423-CG01		258	43482.472
4	FR23900836-CG01		583	98436.278
5	ES23901436		250	36753.72

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
5	FR23900869		550	83246.28
6	ES23901405-CG01		207	31892.552
6	FR23900815-CG01		469	72235.854
7	ES23901461-CG01		369	62015.835
7	FR23900893-CG01		831	140717.165
8	ES23901461-CG02		442	74109.442
8	FR23900893-CG02		992	168157.753
9	ES23901423-CG02		355	59924.119
9	FR23900836-CG02		804	135657.13
10	ES23901462		417	83471.68
10	FR23900894-CG01		943	188628.32
11	ES23901405-CG02		294	45291.198
11	FR23900815-CG02		666	102583.461
12	ES23901405-CG03		398	61331.831
12	FR23900815-CG03		902	138915.103

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.
There were no group eBCDs issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	No	N/A
2		Yes	4	Yes	No	N/A
3		Yes	4	Yes	No	N/A
4		Yes	2	No	No	N/A
5		Yes	2	No	No	N/A
6		Yes	5	Yes	No	N/A
7		Yes	4	Yes	No	N/A
8		Yes	1	No	No	N/A
9		Yes	2	No	No	N/A
10		Yes	2	No	No	N/A
11		Yes	3	Yes	No	N/A
12		Yes	2	No	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	12/04/2023	ESP-052	ESP-046	EFD/rhb/2
2	18/04/2023	ESP-046	ESP-044	EFD/bas/l
3	26/04/2023	ESP-053	ESP-045	EFD/bas/cm
4	08/05/2023	ESP-042	ESP-041	EFD/bas/cm

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	39	8628	FR22900822-LT01-CG03-MC01-MC01-MC01, FR22900822-LT01-CG02-MC01, FR22900819-CG02-MC02-MC01, FR22900822-LT01-CG03-MC01-MC01-MC01, IT22900986-MC01, IT22901046-MC01, ES22901539-MC01, FR22900814-LT01-CG01-MC01, ES22901531-CG02-MC01, FR22900805-CG02-MC01, FR229	Yes	56
2	390	99533.675	FR22900822-LT01-CG03-MC01-MC01-MC01, FR22900822-LT01-CG02-MC01, FR22900819-CG02-MC02-MC01, FR22900822-LT01-CG03-MC01-MC01-MC01, IT22900986-MC01, IT22901046-MC01, ES22901539-MC01, FR22900814-LT01-CG01-MC01, ES22901531-CG02-MC01, FR22900805-CG02-MC01, FR229	Yes	414
3	629	76785.398	FR22900822-LT01-CG03-MC01-MC01-MC01, FR22900822-LT01-CG02-MC01, FR22900819-CG02-MC02-MC01, FR22900822-LT01-CG03-MC01-MC01-MC01, IT22900986-MC01, IT22901046-MC01, ES22901539-MC01, FR22900814-LT01-CG01-MC01, ES22901531-CG02-MC01, FR22900805-CG02-MC01, FR229	Yes	649

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
4	1112	302606.256	FR22900822-LT01-CG03-MC01-MC01-MC01, FR22900822-LT01-CG02-MC01, FR22900819-CG02-MC02-MC01, FR22900822-LT01-CG03-MC01-MC01-MC01, IT22900986-MC01, IT22901046-MC01, ES22901539-MC01, FR22900814-LT01-CG01-MC01, ES22901531-CG02-MC01, FR22900805-CG02-MC01, FR229	Yes	1157

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	10/04/2023	Fresh Export	ESP-042	Yes	Yes		
2	13/04/2023	Fresh Export	ESP-042	Yes	Yes		
3	17/04/2023	Fresh Export	ESP-042	Yes	Yes		
4	20/04/2023	Fresh Export	ESP-042	Yes	Yes		
5	24/04/2023	Fresh Export	ESP-044	Yes	Yes		
6	26/04/2023	Fresh Export	ESP-042	Yes	Yes		
7	27/04/2023	Fresh Export	ESP-044	Yes	Yes		
8	28/04/2023	Fresh Export	ESP-044	Yes	Yes		
9	02/05/2023	Fresh Export	ESP-042	Yes	Yes		
10	05/05/2023	Fresh Export	ESP-042	Yes	Yes		
11	09/05/2023	Fresh Export	ESP-045	Yes	Yes		
12	12/05/2023	Fresh Export	ESP-041	Yes	Yes		
13	15/05/2023	Fresh Export	ESP-041	Yes	Yes		
14	17/05/2023	Fresh Export	ESP-045	Yes	Yes		
15	18/05/2023	Fresh Export	ESP-041	Yes	Yes		
16	18/05/2023	Fresh Export	ESP-045	Yes	Yes		
17	22/05/2023	Fresh Export	ESP-041	Yes	Yes		
18	22/05/2023	Fresh Export	ESP-045	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
19	25/05/2023	Fresh Export	ESP-041	Yes	Yes		
20	26/05/2023	Fresh Export	ESP-041	Yes	Yes		
21	26/05/2023	Fresh Export	ESP-045	Yes	Yes		
22	29/05/2023	Fresh Export	ESP-041	Yes	Yes		
23	29/05/2023	Fresh Export	ESP-045	Yes	Yes		
24	01/06/2023	Fresh Export	ESP-041	Yes	Yes		
25	01/06/2023	Fresh Export	ESP-045	Yes	Yes		
26	05/06/2023	Fresh Export	ESP-041	Yes	Yes		
27	05/06/2023	Fresh Export	ESP-045	Yes	Yes		
28	08/06/2023	Fresh Export	ESP-041	Yes	Yes		
29	08/06/2023	Fresh Export	ESP-045	Yes	Yes		
30	12/06/2023	Fresh Export	ESP-041	Yes	Yes		
31	12/06/2023	Fresh Export	ESP-045	Yes	Yes		
32	13/06/2023	Fresh Export	ESP-045	Yes	Yes		
33	15/06/2023	Fresh Export	ESP-041	Yes	Yes		
34	15/06/2023	Fresh Export	ESP-045	Yes	Yes		
35	19/06/2023	Fresh Export	ESP-041	Yes	Yes		
36	19/06/2023	Fresh Export	ESP-045	Yes	Yes		
37	22/06/2023	Fresh Export	ESP-041	Yes	Yes		
38	22/06/2023	Fresh Export	ESP-045	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
39	26/06/2023	Fresh Export	ESP-041	Yes	Yes		
40	26/06/2023	Fresh Export	ESP-045	Yes	Yes		
41	27/06/2023	Fresh Export	ESP-041	Yes	Yes		
42	29/06/2023	Fresh Export	ESP-041	Yes	Yes		
43	29/06/2023	Fresh Export	ESP-045	Yes	Yes		
44	30/06/2023	Fresh Export	ESP-045	Yes	Yes		
45	03/07/2023	Fresh Export	ESP-041	Yes	Yes		
46	03/07/2023	Fresh Export	ESP-045	Yes	Yes		
47	04/07/2023	Fresh Export	ESP-041	Yes	Yes		
48	05/07/2023	Fresh Export	ESP-041	Yes	Yes		
49	06/07/2023	Fresh Export	ESP-041	Yes	Yes		
50	06/07/2023	Fresh Export	ESP-045	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	55	13933	55	13933

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
2	39	10712	39	10712
3	46	11681	46	11681
4	19	5167	19	5167
5	51	14014	51	14014
6	1	306	1	306
7	26	7617	26	7617
8	6	1383	6	1383
9	48	14161	48	14161
10	25	7469	25	7469
11	7	1787	7	1787
12	23	6522	23	6522
13	54	14814	54	14814
14	12	1415	12	1415
15	34	8920	34	8920
16	8	639	8	639
17	41	12559	41	12559
18	23	1809	23	1809
19	1	217	1	217
20	32	7957	32	7957

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
21	11	879	11	879
22	52	13764	52	13764
23	20	1438	20	1451
24	31	8473	31	8473
25	11	1129	11	1129
26	42	12061	42	12061
27	22	2105	22	2105
28	32	9427	32	9427
29	7	721	7	721
30	47	13021	47	13021
31	16	1331	16	1331
32	4	892	4	892
33	21	6722	21	6722
34	11	1511	11	1511
35	43	13291	43	13291
36	25	2862	25	2862
37	37	11304	37	11304
38	13	1136	13	1136
39	59	17650	59	17650

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
40	25	2168	25	2168
41	13	3536	13	3536
42	50	15746	50	15746
43	14	1017	14	1017
44	6	1207	6	1207
45	77	30349	77	30349
46	37	3985	37	3985
47	19	6813	19	6813
48	5	1564	5	1564
49	56	20240	56	20240
50	11	1123	11	1123

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/151/DSDT	FR22900814-LT01-CG01-HA05	55	13933	Yes	Yes	Yes
2	EU-ESP-2022/152/DSDT	FR22900814-LT01-CG01-HA06	39	10172	Yes	Yes	Yes
3	EU-ESP-2022/153/DSDT	FR22900814-LT01-CG01-HA07	46	11681	Yes	Yes	No
4	EU-ESP-2022/154/DSDT	ES22901539-HA07	19	5167	Yes	Yes	Yes
5	EU-ESP-2022/155/DSDT	ES22901531-CG02-HA03	51	14014	Yes	Yes	Yes
6	EU-ESP-2022/156/DSDT	ES22901539-HA08	1	306	Yes	Yes	Yes
7	EU-ESP-2022/157/DSDT	FR22900822-LT01-CG03-MC01-MC01-MC01-HA01	26	7617	Yes	Yes	Yes
8	EU-ESP-2022/158/DSDT	FR22900822-LT01-CG03-MC01-MC01-MC01-HA02	6	1383	Yes	Yes	Yes
9	EU-ESP-2022/159/DSDT	FR22900814-LT01-CG01-HA08	48	14161	Yes	Yes	Yes
10	EU-ESP-2022/160/DSDT	ES22901539-HA09	25	7469	Yes	Yes	Yes
11	EU-ESP-2022/161/DSDT	IT22900986-MC01-HA01	7	1787	Yes	Yes	Yes
12	EU-ESP-2022/162/DSDT	FR22900805-CG02-MC01-HA01	23	6522	Yes	Yes	Yes
13	EU-ESP-2022/163/DSDT	FR22900814-LT01-CG01-MC01-HA01	54	14814	Yes	Yes	Yes
14	EU-ESP-2022/164/DSDT	IT22900986-MC01-HA02	12	1415	Yes	Yes	Yes
15	EU-ESP-2022/165/DSDT	FR22900819-CG02-MC02-MC01-HA01	34	8920	Yes	Yes	Yes
16	EU-ESP-2022/166/DSDT	IT22900986-MC01-HA03	8	639	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
17	EU-ESP-2022/167/DSDT	FR22900819-CG02-MC02-MC01-HA02	41	12559	Yes	Yes	Yes
18	EU-ESP-2022/168/DSDT	IT22900986-MC01-HA04	23	1809	Yes	Yes	Yes
19	EU-ESP-2022/169/DSDT	FR22900819-CG02-MC02-MC01-HA03	1	217	Yes	Yes	Yes
20	EU-ESP-2022/170/DSDT	FR22900819-CG02-MC02-MC01-HA04	32	7957	Yes	Yes	Yes
21	EU-ESP-2022/171/DSDT	IT22900986-MC01-HA05	11	879	Yes	Yes	Yes
22	EU-ESP-2022/172/DSDT	FR22900819-CG02-MC02-MC01-HA05	52	13764	Yes	Yes	Yes
23	EU-ESP-2022/173/DSDT	IT22900986-MC01-HA06	20	1451	Yes	Yes	Yes
24	EU-ESP-2022/174/DSDT	FR22900819-CG02-MC02-MC01-HA06	31	8473	Yes	Yes	Yes
25	EU-ESP-2022/175/DSDT	IT22900986-MC01-HA07	11	1129	Yes	Yes	Yes
26	EU-ESP-2022/176/DSDT	FR22900814-LT01-CG01-MC01-HA02	42	12061	Yes	Yes	Yes
27	EU-ESP-2022/177/DSDT	IT22900986-MC01-HA08	22	2105	Yes	Yes	Yes
28	EU-ESP-2022/178/DSDT	FR22900814-LT01-CG01-MC01-HA03	32	9427	Yes	Yes	Yes
29	EU-ESP-2022/179/DSDT	IT22900986-MC01-HA09	7	721	Yes	Yes	Yes
30	EU-ESP-2022/180/DSDT	FR22900822-LT01-CG02-MC01-HA01	47	13021	Yes	Yes	Yes
31	EU-ESP-2022/181/DSDT	IT22900986-MC01-HA010	16	1331	Yes	Yes	Yes
32	EU-ESP-2022/182/DSDT	IT22900986-MC01-HA011	4	892	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
33	EU-ESP-2022/183/DSDT	IT22900986-MC01-HA012	21	6722	Yes	Yes	Yes
34	EU-ESP-2022/184/DSDT	IT22900986-MC01-HA012	11	1511	Yes	Yes	Yes
35	EU-ESP-2022/185/DSDT	FR22900814-LT01-CG01-MC01-HA05	43	13291	Yes	Yes	Yes
36	EU-ESP-2022/186/DSDT	IT22900986-MC01-HA013	25	2862	Yes	Yes	Yes
37	EU-ESP-2022/187/DSDT	FR22900814-LT01-CG01-MC01-HA06	37	11304	Yes	Yes	Yes
38	EU-ESP-2022/188/DSDT	IT22901046-MC01-HA01	13	1136	Yes	Yes	Yes
39	EU-ESP-2022/189/DSDT	FR22900814-LT01-CG01-MC01-HA07	59	17650	Yes	Yes	Yes
40	EU-ESP-2022/190/DSDT	IT22901046-MC01-HA02	25	2168	Yes	Yes	Yes
41	EU-ESP-2022/191/DSDT	ES22901539-MC01-HA01	5	1232	Yes	Yes	Yes
41	EU-ESP-2022/191/DSDT	FR22900819-CG02-MC02-MC01-HA07	3	926	Yes	Yes	Yes
41	EU-ESP-2022/191/DSDT	FR22900822-LT01-CG03-MC01-MC01-MC01-MC01-HA01	5	1378	Yes	Yes	Yes
42	EU-ESP-2022/192/DSDT	FR22900814-LT01-CG01-MC01-HA08	50	15746	Yes	Yes	Yes
43	EU-ESP-2022/193/DSDT	IT22901046-MC01-HA03	14	1017	Yes	Yes	Yes
44	EU-ESP-2022/194/DSDT	IT22901046-MC01-HA04	6	1207	Yes	Yes	Yes
45	EU-ESP-2022/195/DSDT	FR22900805-CG02-MC01-HA02	77	30349	Yes	Yes	Yes
46	EU-ESP-2022/196/DSDT	IT22901046-MC01-HA05	37	3985	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
47	EU-ESP-2022/197/DSDT	FR22900814-LT01-CG01-MC01-HA09	19	6913	Yes	Yes	Yes
48	EU-ESP-2022/198/DSDT	FR22900814-LT01-CG01-MC01-HA010	5	1564	Yes	Yes	Yes
49	EU-ESP-2022/199/DSDT	FR22900805-CG02-MC01-HA03	56	20240	Yes	Yes	Yes
50	EU-ESP-2022/200/DSDT	IT22901046-MC01-HA06	11	1123	Yes	Yes	Yes

* Harvest operation as per Table 18.

The eBCD for operation 3 was accidentally unsigned by the observer. This was signed on behalf of the observer by the ICCAT Secretariat.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *							
	COP1	COP4	COP5	COP6	COP8	COP9	COP10	COP12
Observer estimate of number of tuna caged not consistent with farm's estimate	X			X				
Independent observer estimate of amount caged was not possible due to video quality		X	X		X	X	X	X
Observer observations of caging operation do not agree with those in the eBCD (cage numbers).						X		

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

COP1 Observer estimate of tuna caged not within 10% of the farm's estimate. The observer's estimate is 73.8 % more than farm estimated. This is in potential non-compliance with Rec. 21-08; Annex 6 and Annex 12 - CODP.

COP4 Independent observer estimate of amount caged was not possible due to video quality. This is in potential non-compliance with Rec. 21-08; Para 162; Annex 8 Para 1 e) – CCNP.

COP5 Independent observer estimate of amount caged was not possible due to video quality This is in potential non-compliance with Rec. 21-08; Para 162; Annex 8 Para 1 e) – CCNP.

COP6 Observer estimate of tuna caged not within 10% of the farm's estimate. The observer's estimate is 73.8 % more than farm estimated. This is in potential non-compliance with Rec. 21-08; Annex 6 and Annex 12 – CODP.

COP8 Independent observer estimate of amount caged was not possible due to video quality. This is in potential non-compliance with Rec. 22-08; Para 162; Annex 8 Para 1 e) – CCNP.

COP9 Independent observer estimate of amount caged was not possible due to video quality. This is in potential non-compliance with Rec. 22-08; Para 162; Annex 8 Para 1 e) – CCNP.

The observer observations of caging operation do not agree with those in the eBCD (cage numbers). For the eBCD ES23901423-CG02, the recipient cage was ESP-057 not ESP-058 as recorded in the eBCD. This is in potential non-compliance with Rec. 22-08; Annex 6 – CBDX.

COP10 Independent observer estimate of amount caged was not possible due to video quality. This is in potential non-compliance with Rec. 22-08; Para 162; Annex 8 Para 1 e) – CCNP.

COP12 Independent observer estimate of amount caged was not possible due to video quality. This is in potential non-compliance with Rec. 22-08; Para 162; Annex 8 Para 1 e) – CCNP.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	55	55	0	0
2	39	39	0	0
3	46	46	0	0
4	19	19	0	0
5	51	51	0	0
6	1	1	0	0
7	26	26	0	0
8	6	6	0	0
9	48	48	0	0
10	25	25	0	0
11	7	7	0	0
12	23	23	0	0
13	54	54	0	0
14	12	12	0	0
15	34	34	0	0
16	8	8	0	0
17	41	41	0	0
18	23	23	0	0
19	1	1	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	32	32	0	0
21	11	11	0	0
22	52	52	0	0
23	20	20	0	0
24	31	31	0	0
25	11	11	0	0
26	42	42	0	0
27	22	22	0	0
28	32	32	0	0
29	7	7	0	0
30	47	47	0	0
31	16	16	0	0
32	4	4	0	0
33	21	21	0	0
34	11	11	0	0
35	43	43	0	0
36	25	25	0	0
37	37	37	0	0
38	13	13	0	0
39	59	59	0	0
40	25	25	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	13	13	0	0
42	50	50	0	0
43	14	14	0	0
44	6	6	0	0
45	77	77	0	0
46	37	37	0	0
47	19	19	0	0
48	5	5	0	0
49	56	56	0	1
50	11	11	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
49	Single spaghetti tag	BYP032635	286	CFL	436	Whole	No	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	The farm used this vessel for watch the farm
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Support	No	The steer of the towing vessel Abuelo Antonio is broken, and for this reason, the towing vessel was support by auxiliary vessel Hernández Aguado.
		EU.España		Towing	No	

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0756</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Croatia
Farm Operating Company	
Observer Name	Rebeca Ocon Rodriguez
Observer ICCAT ID No	096
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	24/05/2023		Split, Croatia
Date of mobilisation	23/05/2023		
Arrival to port / farm	27/05/2023		Supetar, Croatia
Request dates	28/05/2023	27/06/2023	
Deployment period	28/05/2023	27/06/2023	
Departure from port / farm	27/06/2023		Supetar, Croatia
Return home	29/06/2023		
Debriefing	28/06/2023		Split, Croatia

The deployment was ended earlier than the original request, following completion of operations by the farm. The original request was to 16/07/2023.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV006001	5246	153000	HR22900203-G HR22900246-G
HRV006003	5243	153000	HR22900276-G HR22900304-G
HRV006004	5608	163000	HR22900296-G-MC02 HR22900302-G-MC02 HR22900322- G-MC02 HR22900330-CG01-MC02 HR22900294-G-LT01-MC02
HRV006005	5129	149000	HR22900296-G-MC01 HR22900302-G-MC01 HR22900322-G-MC01 HR22900330-CG01-MC01 HR22900294-LT01-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2023AUT2003	3750	33250
2	HRV2023AUT2005	4054	36490
3	HRV2023AUT2008	4595	41350
4	HRV2023AUT2012	4429	39860
5	HRV2023AUT2017	3851	39380

* Caging operation number: Unique identification field linked to the deployment data set
 Ni initial estimates were provided with the caging authorisation.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Trap Name	Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	07/06/2023	11:24			EU.HRV.004	HRV006002	Standard	Caging	Yes	Yes
2	11/06/2023	11:10			EU.HRV.002	HRV006007	Standard	Caging	Yes	Yes
3	14/06/2023	11:37			EU.HRV.001	HRV006006	Standard	Caging	Yes	Yes
4	23/06/2023	10:49			EU.HRV.003	HRV006007	Standard	Caging	Yes	Yes
5	26/06/2023	10:29			EU.HRV.002	HRV006007	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

No control cagings were performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	3895	33146.45	3713	
1		Dead	0	0	0	0
2		Alive	3864	32452.8	4060	
2		Dead	0	0	0	0
3		Alive	4454	37858.37	4486	
3		Dead	0	0	0	0
4		Alive	4083	37134.55	4167	
4		Dead	0	0	0	0
5		Alive	3602	43762	3544	
5		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR23900266-G-CG01	HRV2023ICD2003-1	3895	33146.45
2	HR23900299-G-CG01	HRV2023ICD2005-1	3864	32452.8
3	HR23900310-G-CG01	HRV2023ICD2008-1	4454	37858.37
4	HR23900353-G-CG-01	HRV2023ICD2012-1	4083	37134.55
5	HR23900358-G	HRV2023ICD2017-1	3602	43762

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	HR23900266-G-CG01	HR23900221	7650
1	HR23900266-G-CG01	HR23900229	11250
1	HR23900266-G-CG01	HR23900238	5850
1	HR23900266-G-CG01	HR23900240	8500
2	HR23900299-G-CG01	HR23900248	9090
2	HR23900299-G-CG01	HR23900263	12690
2	HR23900299-G-CG01	HR23900267	5760
2	HR23900299-G-CG01	HR23900271	4545
2	HR23900299-G-CG01	HR23900274	4401
3	HR23900310-G-CG01	HR23900251	15470
3	HR23900310-G-CG01	HR23900277	2700
3	HR23900310-G-CG01	HR23900285	6120
3	HR23900310-G-CG01	HR23900293	12065

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
3	HR23900310-G-CG01	HR23900294	4995
4	HR23900353-G-CG-01	HR23900295	3600
4	HR23900353-G-CG-01	HR23900314	12330
4	HR23900353-G-CG-01	HR23900318	11511
4	HR23900353-G-CG-01	HR23900321	3870
4	HR23900353-G-CG-01	HR23900322	5490
4	HR23900353-G-CG-01	HR23900331	3060
5	HR23900358-G	HR23900324	11500
5	HR23900358-G	HR23900337	16200
5	HR23900358-G	HR23900344	5933
5	HR23900358-G	HR23900348	5745

* Caging operation as per Table 2.
No group eBCDs were issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	MP005096, MP005097, MP005098, MP005099 , MP005100
2		Yes	4	Yes	Yes	MP005091, MP005092, MP005093, MP005094, MP005095
3		Yes	4	Yes	Yes	MP005041, MP005042, MP005043, MP005044, MP005045

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
4		Yes	4	Yes	Yes	MP005040 , MP005039 , MP005038 , MP005037 , MP005036
5		Yes	5	Yes	Yes	MP005005 MP005004 MP005003 MP005002 MP005001

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

National inspectors provided the seals used to seal the farm cages following caging.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 No inter-farm transfers were performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No prior to release segregation operations were performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

No release operations were performed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
 No within farm transfers were performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

No harvest operations were performed during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No PNCs observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

No sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

No tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Towing	No	Nothing to report
		EU.Croatia		Towing	No	Nothing to report
		EU.Croatia		Towing	No	Nothing to report

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0757	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Croatia
Farm Operating Company	
Observer Name	FRANCESCO PULEO
Observer ICCAT ID No	708
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	04/05/2023		ERCOLANO(NA)
Date of mobilisation	30/05/2023		
Arrival to port / farm	31/05/2023		xxx
Request dates	01/06/2023	26/07/2023	
Deployment period	01/06/2023	26/07/2023	
Departure from port / farm	27/07/2023		xxx
Return home	28/07/2023		PALERMO, Sicily
Debriefing	29/07/2023	29/07/2023	REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2023AUT2001	3784	55140
2	HRV2023AUT2004	1720	15050
3	HRV2023AUT2007	4779	43750
4	HRV2023AUT2011	3473	31260
5	HRV2023AUT2016	4617	44680
6	HRV2023AUT2015	2138	19650
7	HRV2023AUT2020	3977	36390

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	05/06/2023	08:00			EUHRV012	HRV011011	Standard	Caging	Yes	Yes
2	07/06/2023	08:00			EUHRV010	HRV011001	Standard	Caging	Yes	Yes
3	14/06/2023	08:00			EUHRV016	HRV011014	Standard	Caging	Yes	Yes
4	19/06/2023	08:00			EUHRV012	HRV011012	Standard	Caging	Yes	Yes
5	25/06/2023	08:00			EUHRV016	HRV011002	Standard	Caging	Yes	Yes
6	26/06/2023	08:00			EUHRV010	HRV011012	Standard	Caging	Yes	Yes
7	20/07/2023	08:00			EUHRV010	HRV011001	Inter-Farm Transfer	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	6007	54063	6049	N/A
2	0	Alive	1870	16364,5	1803	N/A
3	0	Alive	4608	42183	4473	N/A
4	0	Alive	3570	32130	3227	N/A
5	0	Alive	4970	48161	4936	N/A
6	0	Alive	2202	19818	2274	N/A
7	0	Alive	3977	36386,3	3977	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR23900243-G-CG01	HRV2023AUT2001-1	6007	54063
2	HR23900282-G	HRV2023ICD2004-1	1870	16364,5
3	HR23900312-G-CG01	HRV2023ICD2007-1	4608	42183
4	HR23900343-G	HRV2023ICD2011-1	3570	32130
5	HR23900356-G	HRV2023ICD2016-1	4970	48161
6	HR23900359-G	HRV2023ICD2015-1	2202	19818
7	HRV239002476-G	HRV2023ICD2020-1	3977	36386,3

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	HR23900243-G-CG01	HR23900220	4845
1	HR23900243-G-CG01	HR23900222	5922
1	HR23900243-G-CG01	HR23900230	9738
1	HR23900243-G-CG01	HR23900232	13806
2	HR23900282-G	HR23900237	7276
2	HR23900282-G	HR23900239	7776
3	HR23900312-G-CG01	HR23900250	3570
3	HR23900312-G-CG01	HR23900254	5409
3	HR23900312-G-CG01	HR23900257	7210
3	HR23900312-G-CG01	HR23900259	4815
3	HR23900312-G-CG01	HR23900261	6480
3	HR23900312-G-CG01	HR23900268	4770
3	HR23900312-G-CG01	HR23900273	2014
3	HR23900312-G-CG01	HR23900276	4320
3	HR23900312-G-CG01	HR23900284	2790
3	HR23900312-G-CG01	HR23900290	2375
4	HR23900343-G	HR23900249	13050
4	HR23900343-G	HR23900256	2700
4	HR23900343-G	HR23900269	4140
4	HR23900343-G	HR23900275	2205

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
4	HR23900343-G	HR23900278	4050
4	HR23900343-G	HR23900308	5112
5	HR23900356-G	HR23900316	14630
5	HR23900356-G	HR23900319	14780
5	HR23900356-G	HR23900323	3619
5	HR23900356-G	HR23900338	7470
5	HR23900356-G	HR23900340	4185
6	HR23900359-G	HR23900334	4320
6	HR23900359-G	HR23900339	3492
6	HR23900359-G	HR23900341	5580
6	HR23900359-G	HR23900345	6345
7	HR23900246-G	HR23900220	4666,09
7	HR23900246-G	HR23900222	6386,13
7	HR23900246-G	HR23900230	10567,31
7	HR23900246-G	HR23900232	14766,77

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	Yes	Yes
2	0	Yes	2	Yes	Yes	Yes
3	0	Yes	2	Yes	Yes	Yes
4	0	Yes	2	Yes	Yes	Yes
5	0	Yes	3	Yes	Yes	Yes
6	0	Yes	3	Yes	Yes	Yes
7	0	Yes	1	Yes	Yes	Yes

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred.

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
PIPI	ATEU0HRV00288	EU.Croatia	9AA3841	Carrier	No	N/A
JADRAN I	ATEU0HRV00030	EU.Croatia	9A3062	Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0757	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Croatia
Farm Operating Company	
Observer Name	FRANCESCO PULEO
Observer ICCAT ID No	708
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	04/05/2023		ERCOLANO (NA)
Date of mobilisation	30/05/2023		
Arrival to port / farm	31/05/2023		XXX
Request dates	01/06/2023	26/07/2023	
Deployment period	01/06/2023	26/07/2023	
Departure from port / farm	27/07/2023		XXX
Return home	28/07/2023		
Debriefing	29/07/2023	29/07/2023	REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2023AUT2002	3784	34031
2	HRV2023AUT2006	5524	54850
3	HRV2023AUT2009	5640	55500
4	HRV2023AUT2010	6114	58430
5	HRV2023AUT2013	7016	67770
6	HRV2023AUT2014	5504	49540

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	06/06/2023	08:00			EUHRV011	HRV008011	Standard	Caging	Yes	Yes
2	13/06/2023	08:00			EUHRV009	HRV008005	Standard	Caging	Yes	Yes
3	17/06/2023	08:00			EUHRV011	HRV008003	Standard	Caging	Yes	Yes
4	18/06/2023	08:00			EUHRV010	HRV008004	Standard	Caging	Yes	Yes
5	23/06/2023	08:00			EUHRV009	HRV008006	Standard	Caging	Yes	Yes
6	24/06/2023	08:00			EUHRV011	HR008007	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	3977	36048	3999	N/A
2	0	Alive	5927	58932	6033	N/A
3	0	Alive	6071	59721	6207	N/A
4	0	Alive	6305	60153	6327	N/A
5	0	Alive	7127	68882	7033	N/A
6	0	Alive	5570	50130	5632	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR23900246-G	HRV2023ICD2002-1	3977	36048
2	HR23900309-G	HRV2023ICD2006-1	5927	58932
3	HR23900329-G	HRV2023ICD2009-1	6071	59721
4	HR23900330-G	HRV2023ICD2010-1	6305	60153
5	HR23900354-G	HRV2023ICD2013-1	7127	68882
6	HR23900355-G	HRV2023ICD2014-1	5570	50130

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	HR23900246-G	HR23900220	4845
1	HR23900246-G	HR23900222	5922
1	HR23900246-G	HR23900230	9738
1	HR23900246-G	HR23900232	13806
2	HR23900309-G	HR23900252	3510
2	HR23900309-G	HR23900253	12800
2	HR23900309-G	HR23900264	7500
2	HR23900309-G	HR23900265	4320
2	HR23900309-G	HR23900279	2780
2	HR23900309-G	HR23900287	10070
2	HR23900309-G	HR23900288	4570
2	HR23900309-G	HR23900292	9300
3	HR23900329-G	HR23900270	4000
3	HR23900329-G	HR23900272	4410
3	HR23900329-G	HR23900280	6300
3	HR23900329-G	HR23900281	3609
3	HR23900329-G	HR23900286	3015
3	HR23900329-G	HR23900289	6144
3	HR23900329-G	HR23900303	28020
4	HR23900330-G	HR23900291	5310

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
4	HR23900330-G	HR23900296	4450
4	HR23900330-G	HR23900300	1500
4	HR23900330-G	HR23900304	3249
4	HR23900330-G	HR23900306	7695
4	HR23900330-G	HR23900307	8100
4	HR23900330-G	HR23900311	28130
5	HR23900354-G	HR23900313	5700
5	HR23900354-G	HR23900315	26000
5	HR23900354-G	HR23900320	14580
5	HR23900354-G	HR23900327	4752
5	HR23900354-G	HR23900328	4725
5	HR23900354-G	HR23900333	8568
5	HR23900354-G	HR23900336	3447
6	HR23900355-G	HR23900326	36315
6	HR23900355-G	HR23900335	13221

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	2	Yes	No	N/A
2	0	Yes	2	Yes	No	N/A
3	0	Yes	3	Yes	No	N/A
4	0	Yes	3	Yes	No	N/A
5	0	Yes	2	Yes	No	N/A
6	0	Yes	3	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	3977	36386,3	e-copy Control Documents	HRV2023AUT5001	e-copy Control Documents
2	5602	50683,49	e-copy Control Documents	HRV2023AUT5002	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
1	19/07/2023	08:00	HRV008011					EUHRV010	Yes
2	21/07/2023	08:00	HRV008007					EUHRV002	Yes

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
1	0	Alive	3.977	36.386,30	3.990	N/A
1	0	Dead	0	0	0	N/A
2	0	Alive	5.602	50.683,49	5.620	N/A
2	0	Dead	0	0	0	N/A

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
1	0	Alive	HRV-2023-553-ITD	HR23900246-G	3.977	36.386,30
2	0	Alive	HRV-2023-062-ITD	HR23900355-G	5.602	50.683,49

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred.

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A
2	0	Yes	2	Yes	No	N/A

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Carrier	No	N/A
		EU.Croatia		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0757	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Croatia
Farm Operating Company	
Observer Name	FRANCESCO PULEO
Observer ICCAT ID No	708
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	04/05/2023		ERCOLANO
Date of mobilisation	30/05/2023	31/05/2023	
Arrival to port / farm	22/07/2023		SUPETAR
Request dates	01/06/2023	26/07/2023	
Deployment period	22/07/2023	26/07/2023	
Departure from port / farm	27/07/2023		
Return home	28/07/2023		
Debriefing	29/07/2023	29/07/2023	REMOTE

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
HRV006002	4007	N/A	HRV23900266-G
HRV006007	3876	N/A	HRV23900299-G
HRV006007	4073	N/A	HRV23900353-G
HRV006007	3606	N/A	HRV23900358-G
HRV006006	4435	N/A	HRV23900310-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	HRV2023AUT2023	3276	29640
2	HRV2023AUT2022	2326	21040

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	24/07/2023	08:00			EUHRV-004	HRV006002	Inter-farm Transfer	Caging	Yes	Yes
2	25/07/2023	08:00			EUHRV-002	HRV006006	Inter-farm Transfer	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Donor Farm JADRAN Tuna. The two caging operations originate from one transfer operation only from the JADRAN TUNA farm cage HRV008007 to the transport cage EU.HRV002. The content of the transport cage EU.HRV002 was split between cage EU.HRV002 and cage EU.HRV004 from which the two caging operations have then been implemented.

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	3235	29268,31	3370	N/A
2	0	Alive	2367	21415,18	2329	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	HR23900355-G-TR01-CG01	HRV2023ICD2023-01	3235	29268,31
2	HR23900355-G-CG01	HRV2023ICD2022-01	2367	21415,18

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	HR23900355-G-TR01-CG01	HR23900326	3679574
1	HR23900355-G-TR01-CG01	HR23900335	1388775
2	HR23900355-G-CG01	HR23900326	36795,74
2	HR23900355-G-CG01	HR23900335	13887,75

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	5	Yes	No	N/A
2	0	Yes	4	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Croatia		Carrier	No	N/A
		EU.Croatia		Carrier	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	235	50000	Hardcopy	MAR.2023/AUT/036	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	01/06/2023	14:17			MAR-004	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	235	50000	213	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	235	50000	213	N/A	MA23900036	MAR.2023/014/ITD
	Dead Fish	0	0	0	0		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type &Number *	
		N/A
N/A	N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Support	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	720	142000	Hardcopy	MAR.2023/AUT/018	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	10/05/2023	16:02			MAR-003	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	720	142000	743	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	720	142000	743	N/A	MA23900006	MAR.2023/006/ITD
	Dead Fish	0	0	0	0		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type &Number *
N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Support	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	720	142000	Hardcopy	MAR.2023/AUT/027	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	20/05/2023	14:54			MAR-003	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	720	142000	698	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	720	142000	698	N/A	MA23900011	MAR.2023/013/ITD
	Dead Fish	0	0	0	0		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
	NA	NA
N/A	N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	716	142000	Hardcopy	MAR/2023/AUT/029	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	21/05/2023	18:32			MAR-001	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	716	142000	745	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	716	142000	745	N/A	MA23900012	MAR.2023/011/ITD
	Dead Fish	0	0	0	0		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
	N/A	N/A
N/A	N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0759	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Maroc
Farm Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Date of mobilisation	29/04/2023		
Arrival to port / farm	29/04/2023		LARACHE
Request dates	30/04/2023	10/07/2023	
Deployment period	30/04/2023	10/07/2023	
Departure from port / farm	12/07/2023		LARACHE
Return home	12/07/2023		CMN-TUN-ALG
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-021	758	149814,52	MA23900729
MAR-022	610	118032,92	MA23900486
MAR-023	720	141711,79	MA23900012
MAR-024	716	141883,99	MA23900006
MAR-026	211	33955,42	MA23900036
MAR-027	723	140468,66	MA23900011
MAR-028	712	141841,77	MA23900004

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MAR-2023/AUT/011	710	142000
2	MAR-2023/AUT/021	720	142000
3	MAR-2023/AUT/030	720	142000
4	MAR-2023/AUT/033	716	142000
5	MAR-2023/AUT/040	235	50000
6	MAR-2023/AUT/047	615	116004
7	MAR-2023/AUT/055	752	150000

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	04/05/2023	18:51			MAR-001	MAR-028	Standard	Caging	Yes	Yes
2	16/05/2023	13:05			MAR-003	MAR-024	Standard	Caging	Yes	Yes
3	22/05/2023	13:10			MAR-003	MAR-027	Standard	Caging	Yes	Yes
4	24/05/2023	12:16			MAR-001	MAR-023	Standard	Caging	Yes	Yes
5	05/06/2023	11:58			MAR-004	MAR-026	Standard	Caging	Yes	Yes
6	16/06/2023	11:52			MAR-004	MAR-022	Standard	Caging	Yes	Yes
7	08/07/2023	12:37			MAR-003	MAR-021	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
4	1	After	31/05/2023	15:17	MAR-023	MAR-022	Yes	Yes

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	710	142000	715	N/A
2	0	Alive	720	142000	731	N/A
3	0	Alive	720	142000	703	N/A
4	0	Alive	716	142000	743	N/A
5	0	Alive	235	50000	212	N/A
6	0	Alive	610	118032,92	652	N/A
7	0	Alive	758	149814,52	756	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MA23900004	MAR-2023/004/ICD	710	142000
2	MA23900006	MAR-2023/006/ICD	720	142000
3	MA23900011	MAR-2023/009/ICD	720	142000
4	MA23900012	MAR-2023/012/ICD	716	142000
5	MA23900036	MAR-2023/015/ICD	235	50000
6	MA23900486	MAR-2023/017/ICD	610	118032,92
7	MA23900729	MAR-2023/021/ICD	758	149814,52

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	MA23900004	MA23900004	142000
2	MA23900006	MA23900006	142000
3	MA23900011	MA23900011	142000
4	MA23900012	MA23900012	142000
5	MA23900036	MA23900036	33955,42
6	MA23900486	MA23900486	118032,92
7	MA23900729	MA23900729	149814,52

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002101/MAR002102/MAR002103/MAR002104/MAR002105 MAR002106/MAR002107/MAR002108/MAR002109/MAR002110
2	0	Yes	3	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002065/MAR002066/MAR002067/MAR002068/MAR002069/MAR002070 MAR002071/MAR002072/MAR002073/MAR002074/MAR002075
3	0	Yes	4	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002076/MAR002077/MAR002078/MAR002079/MAR00208 MAR002081/MAR002082/MAR002083/MAR002084/MAR002085
4	0	Yes	3	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002086/MAR002087/MAR002088/MAR002089/MAR002090 MAR002091/MAR002092/MAR002093/MAR002094/MAR002095
4	1	Yes	4	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002096/MAR002097/MAR002098/MAR002099/MAR002100 MAR002111/MAR002112/MAR002113/MAR002114/MAR002115
5	0	Yes	4	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc MAR002121/MAR002122/MAR002123/MAR002124/MAR002125 MAR002116/MAR002117/MAR002118/MAR002119/MAR002120
6	0	Yes	4	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc MAR002131/MAR002132/MAR002133/MAR002134/MAR002135 MAR002136/MAR002137/MAR002138/MAR002139/MAR002140
7	0	Yes	3	Yes	Yes	ADMINISTRATIVE Seals numbers used by the cpc : MAR002146/MAR002147/MAR002148/MAR002149/MAR002150 MAR002141/MAR002142/MAR002143/MAR002144/MAR002145

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	10/06/2023	MAR-022	MAR-023	MAR-2023/AUT/043

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	716	142000	MA23900012	Yes	743

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	/

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Support	No	N/A
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	710	142000	Hardcopy	MAR.2023/AUT/007	Hardcopy
2	710	150000	Hardcopy	MAR.2023/AUT/054	Hardcopy

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	03/05/2023	18:06			MAR-001	Yes	Yes
2	06/07/2023	14:57			MAR-003	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A
2	0	Yes	3	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	710	142000	729	
2	0	752	150000	768	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	710	142000	729	N/A	MA23900004	MAR.2023/002/ITD
	Dead Fish	0	0	0	0		
2	Live Fish	752	150000	768	N/A	MA23900729	MAR.2023/022/ITD
	Dead Fish	0	0	0	0		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
		N/A
N/A	N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0759	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		Alger
Mobilisation	29/04/2023		
Arrival	29/04/2023		Larache
Request dates	30/04/2023	10/07/2023	
Monitoring	30/04/2023	10/07/2023	
Departure	12/07/2023		LARACHE
Return Home	12/07/2023		
Debriefing	13/07/2023	13/07/2023	HOTEL IBIS ALGER

Transfer of the entire quota allocated to the TAHADART trap, to the PRINCIPE trap (decision de transfert de quota).

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
N/A	N/A	N/A	N/A	N/A	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
N/A	Live Fish	N/A	N/A	N/A	N/A	N/A	N/A
	Dead Fish	N/A	N/A	N/A	N/A		

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
	N/A	N/A
N/A	N/A	N/A

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HAFRAOUI Lyazid
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/07/2023		
Debriefing	06/07/2023	06/07/2023	TUNIS

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/004	e-copy Control Documents
2	600	116004	e-copy Control Documents	MAR-2023/AUT/045	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	01/05/2023	13:33			MAR-002	Yes	Yes
2	15/06/2023	12:18			MAR-004	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A									

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A
2	0	Yes	2	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	700	142000	743	
2	0	615	116004	639	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	700	142000	743	N/A	MA23900002	MAR-2023/003/ITD
	Dead Fish	0	0	0	0	MA23900002	MAR-2023/003/ITD
2	Live Fish	615	116004	639	N/A	MA23900486	MAR-2023/017/ITD
	Dead Fish	0	0	0	0	MA23900486	MAR-2023/017/ITD

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type &Number *	
N/A		

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A								

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

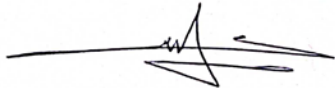
* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	LOS CENIZOSOS
Trap ICCAT Ref. No.	AT002MAR00004
Trap State	Maroc
Operating Company	SOCIÉTÉ ALMADRABAS DEL NORTE
Observer Name	HAFRAOUI Lyazid
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/07/2023		
Debriefing	06/07/2023	06/07/2023	tunis

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/008	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	02/05/2023	16:34	CUMAREX 17	AT000MAR01216	MAR-002	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
NA									

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	705	142000	737	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	705	142000	737	N/A	MA23900003	MAR-2023/005/ITD
	Dead Fish	0	0	0	0	MA23900003	MAR-2023/005/ITD

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
	NA	NA
N/A	NA	NA

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A								

* Transfer operation as per Table 2.

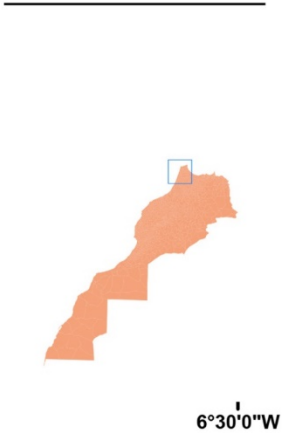
** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

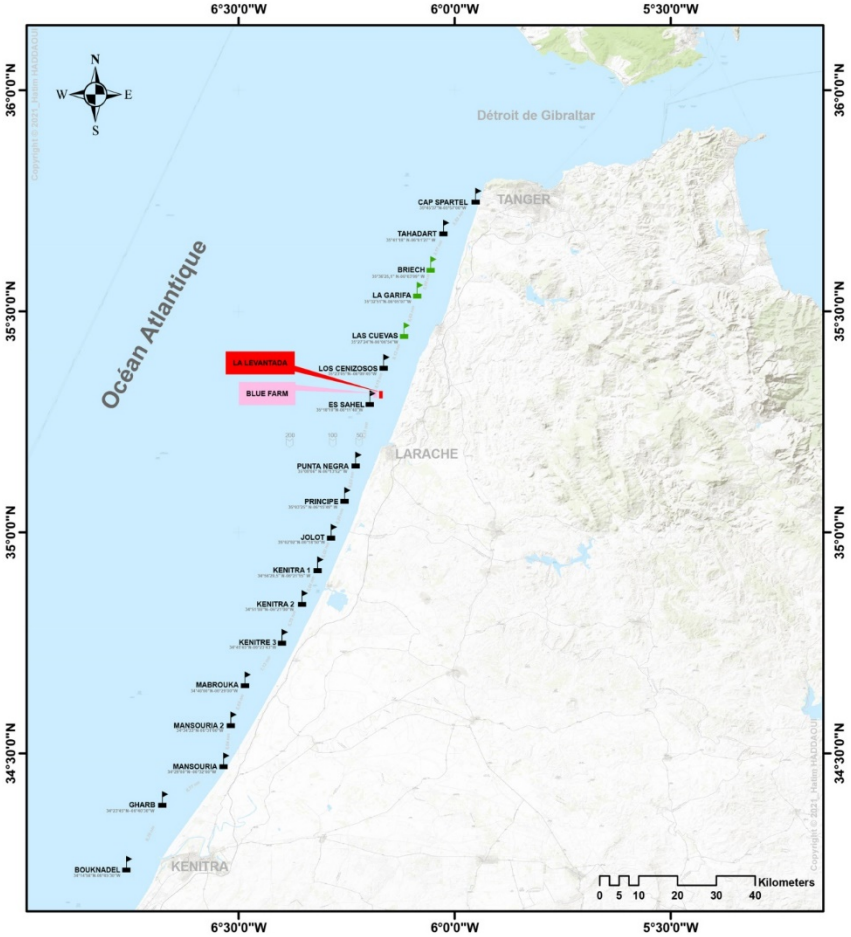
Appendix 1: Trap Plan

Répartition Géographique des Madragues et Fermes Marocaines



Legende

- FERME BLUE FARM
- FERME LA LEVANTADA
- MADRAGUE
- BATHYMETRIE en (m)



Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
CUMAREX 17	AT000MAR01216	Maroc	CNA4819	Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HAFRAOUI Lyazid
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/07/2023		
Debriefing	06/07/2023	06/07/2023	tunis

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/010	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	04/05/2023	10:20			MAR-002	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A									

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	706	142000	718	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	706	142000	718	N/A	MA23900005	MAR-2023/004/ITD
	Dead Fish	0	0	0	0	MA23900005	MAR-2023/004/ITD

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
	NA	NA
NA	NA	NA

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A								

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HAFRAOUI Lyazid
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/06/2023		
Debriefing	06/07/2023	06/07/2023	TUNIS

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/024	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	19/05/2023	14:51			MAR-004	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
N/A									

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	714	142000	693	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	714	142000	693	N/A	MA23900009	MAR-2023/007/ITD
	Dead Fish	0	0	0	0	MA23900009	MAR-2023/007/ITD

* Operation number as per Table 2

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
NA		

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A								

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	HAFRAOUI Lyazid
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/07/2023		
Debriefing	06/06/2023	06/07/2023	tunis

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/001	e-copy Control Documents
2	600	125679	e-copy Control Documents	MAR-2023/AUT/051	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	30/04/2023	12:41	LAS CUEVAS 3	AT000MAR05002	MAR-002	Yes	Yes
2	23/06/2023	16:45	BRIECH-2	AT000MAR04967	MAR-005	Yes	Yes

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
NA									

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	No	N/A
2	0	Yes	3	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	0	708	142000	724	
2	0	650	125679	676	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live Fish	708	142000	724	N/A	MA23900001	MAR-2023/001/ITD
	Dead Fish	0	0	0	0	MA23900001	MAR-2023/001/ITD
2	Live Fish	650	125679	676	N/A	MA23900611-CG01	MAR-2023/021/ITD
	Dead Fish	0	0	0	0	MA23900611-CG01	MAR-2023/021/ITD

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type & Number *	
NA		

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
N/A				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
N/A								

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023



**Observer Deployment Final Report
Deployment on Trap Facilities**

Deployment Request Number: 001MA0760	
Trap Name	
Trap ICCAT Ref. No.	
Trap State	Maroc
Operating Company	
Observer Name	Lyazid HAFRAOUI
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Mobilisation	29/04/2023		
Arrival	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Monitoring	30/04/2023	04/07/2023	
Departure	06/07/2023		LARACHE
Return Home	07/07/2023		
Debriefing	06/07/2023	07/07/2023	TUNIS

1. Summary of Official Documents and Prior-Transfer Estimates

Table 1: Vessel records of Prior-transfer Notification and Transfer Authorisation.

Transfer Op #*	Prior-Transfer Notification			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/017	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

** Verification Types: Hardcopy/e-copy control record or verbal confirmation from vessel master

2. Summary of all Transfer Operations (transfer from the trap to a towing cage)

Table 2: Summary of all Transfer operations

Transfer Op #	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
	Date	Time					
1	10/05/2023	11:31			MAR-002	Yes	No

Table 2a: Summary of all Voluntary and/or Control operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Receiving Vessel Name	Receiving Vessel ICCAT#	Receiving Cage #	Operation monitored by observer (Yes / No)	ITD Signed by Obs. (Yes / No)
			Date	Time					
1	1	Voluntary Transfer	16/05/2023	14:36			MAR-005	Yes	Yes

* Transfer operation as per Table 2.

Table 3: Video records used to estimate the number of fish transferred

Op #*	Voluntary or Control Transfer Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Estimate of amount of BFT based on video (Yes / No)	Cage seals placed on door (Yes / No)	Cage seal identification numbers
1	0	Yes	1	Yes	No	N/A
1	1	Yes	2	Yes	No	N/A

* Transfer operation number as per Table 2.

** Voluntary or control transfer operation number as per Table 2a.

*** Rated from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent)

Table 4: Trap and Observer estimates of transferred tuna

Transfer Op #*	Voluntary or Control Transfer Op #**	Trap Estimate & Control Records		Observer Estimate	
		#	kg	#	kg
1	1	715	142000	753	

* Transfer operation number as per Table 2.

** Control transfer operation number as per Table 2a.

The observer is not able to estimate the weight of transferred tuna.

3. Trap and Observer Estimate for Total Catch of BFT

Table 5: Trap and Observer records for total quantity of bluefin tuna

Transfer Op #*	BFT	Trap Estimate		Observer Estimate		BCD reference #	ITD reference #
		# (n)	Wt (kg)	# (n)	Wt (kg)		
1	Live fish	715	142000	753	N/A	MA23900007	MAR-2023/008/ITD
	Dead fish	0	0	0	0	MA23900007	MAR-2023/008/ITD

* Operation number as per Table 2.

4. Checklist of requirements under ICCAT conservation and management measures

Table 6. Summary of observed traps compliance

Potential Non-compliance Event	Operation Type &Number *	
	TOP1	TOP2
NA	NA	NA

* Transfer operation as per Table 2.

* Voluntary or control transfer operation as per Table 2a.

5. Sampling

Table 7. Summary of sampling performed

Transfer Op #	Number of fish measured for Length	Number of fish measured for Weight	Number of biological samples collected	Number of tagged BFT
NA				

* Transfer operation as per Table 2.

Table 8. Summary of tag recoveries

Transfer op #*	Type of tag	Tag number/s	Length (cm)	Length type**	Weight (kg)	Weight type***	Biological sample collected (Yes / No)	Sample type****
NA								

* Transfer operation as per Table 2.

** SFL – Straight forked length / CFL – Curved fork length

*** Weight measures are round weight: weight of the whole fish (RWT); gutted weight: weight without guts and gonads (GWT); gutted and gilled: weight without guts, gonads and gills (GGWT); gutted gilled and tailed: weight without guts, gonads, gills and tail (GGTWT); and dressed weight: weight of fish gutted, head and tail off (DWT). Other, please describe.

**** Fin clip (genetic), or muscle tissue (genetic) and dorsal fin ray (ageing) if possible

Appendix 1: Trap Plan

Appendix 2: Vessel sightings

Table 9. Details of sightings of vessels of interest, or of vessels which may have been fishing in non-compliance with ICCAT conservation and management measures.

Vessel Name	ICCAT #	Flag	IRCS.	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0760	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Maroc
Farm Operating Company	
Observer Name	Lyazid HAFRAOUI
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	23/04/2023		ALGER
Date of Mobilisation	29/04/2023		
Arrival to Port / Farm	29/04/2023		LARACHE
Request Dates	30/04/2023	04/07/2023	
Deployment Period	30/04/2023	04/07/2023	
Departure from Port / Farm	05/07/2023		
Return Home	07/07/2023		
Debriefing	06/07/2023		TUNIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-012	717	142426,32	MA23900009
MAR-013	713	141912,49	MA23900003
MAR-014	706	141832,12	MA23900002
MAR-016	709	141920,05	MA23900007
MAR-017	711	141887,50	MA23900005
MAR-018	710	141908,65	MA23900001

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MAR-2023/AUT/003	708	142000
2	MAR-2023/AUT/006	700	142000
3	MAR-2023/AUT/009	705	142000
4	MAR-2023/AUT/012	706	142000
5	MAR-2023/AUT/022	715	142000
6	MAR-2023/AUT/028	714	142000

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	01/05/2023	11:08			MAR-002	MAR-018	Standard	Caging	Yes	Yes
2	02/05/2023	13:48			MAR-003	MAR-014	Standard	Caging	Yes	Yes
3	03/05/2023	12:53			MAR-004	MAR-013	Standard	Caging	Yes	Yes
4	05/05/2023	13:21			MAR-002	MAR-017	Standard	Caging	Yes	Yes
5	17/05/2023	12:18			MAR-005	MAR-016	Standard	Caging	Yes	Yes
6	21/05/2023	10:08			MAR-004	MAR-012	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
NA								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	708	142000	720	N/A
2	0	Alive	700	142000	734	N/A
3	0	Alive	705	142000	732	N/A
4	0	Alive	706	142000	723	N/A
5	0	Alive	715	142000	737	N/A
6	0	Alive	714	142000	695	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MA23900001	MAR-2023/001/ICD	708	142000
2	MA23900002	MAR-2023/002/ICD	700	142000
3	MA23900003	MAR-2023/003/ICD	705	142000
4	MA23900005	MAR-2023/005/ICD	706	142000
5	MA23900007	MAR-2023/007/ICD	715	142000
6	MA23900009	MAR-2023/008/ICD	714	142000

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	MA23900001	MA23900001	142000
2	MA23900002	MA23900002	142000
3	MA23900003	MA23900003	142000
4	MA23900005	MA23900005	142000
5	MA23900007	MA23900007	142000
6	MA23900009	MA23900009	142000

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	Yes	N/A
2	0	Yes	3	Yes	Yes	N/A
3	0	Yes	3	Yes	Yes	N/A
4	0	Yes	4	Yes	Yes	N/A
5	0	Yes	2	Yes	Yes	N/A
6	0	Yes	3	Yes	Yes	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
NA					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
NA									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
NA							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
NA								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
NA							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
NA										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
NA				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
NA					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
NA							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
NA				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
NA							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
NA	NA

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
NA				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
NA								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Support	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report



**Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague**

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon :	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	KHELLAF Nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/023	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	18/05/2023	13:10			MAR-006	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	710	142000	729	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	710	142000	729	N/A	MA23900008	MAR-2023/010/ITD
	Poisson mort	0	0	0	0	MA23900008	MAR-2023/010/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
N/A		

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	N/A

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire

Capture

Inspection

Cargo Processeur

Support

Remorqueur

Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons

ICCAT ROP-BFT 2023



Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon :	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	KHELLAF Nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/046	e-copy Control Documents
2	300	60385,1	e-copy Control Documents	MAR-2023/AUT/050	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	16/06/2023	12:56			MAR-006	Yes	Yes
2	22/06/2023	15:56			MAR-002	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A
2	0	Yes	5	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	697	142000	691	
2		307	60385,1	308	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	697	142000	691	N/A	MA23900488	MAR-2023/018/ITD
	Poisson mort	0	0	0	0	MA23900488	MAR-2023/018/ITD
2	Poissons vivants	307	60385,1	308	N/A	MA23900599	MAR-2023/020/ITD
	Poisson mort	0	0	0	0	MA23900599	MAR-2023/020/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
NA	/	/

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	NA
		Maroc		Towing	No	NA

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire

Capture

Inspection

Cargo Processeur

Support

Remorqueur

Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons

ICCAT ROP-BFT 2023



Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon :	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	Khellaf nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	150000	e-copy Control Documents	MAR-2023/AUT/037	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	02/06/2023	09:55	LAS CUEVAS 3	AT000MAR05002	MAR-003	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	750	150000	821	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	750	150000	821	N/A	MA23900117	MAR-2023/015/ITD
	Poisson mort	0	0	0	0	MA23900117	MAR-2023/015/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
N/A		

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	NA

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire Capture Inspection Cargo Processeur Support Remorqueur Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons



**Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague**

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon :	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	KHELLAF Nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/041	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	08/06/2023	10:35			MAR-002	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	337	70000	310	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	337	70000	310	N/A	MA23900425	MAR-2023/016/ITD
	Poisson mort	0	0	0	0	MA23900425	MAR-2023/016/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
NA	/	/

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	N/A

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire

Capture

Inspection

Cargo Processeur

Support

Remorqueur

Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons



**Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague**

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon:	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	KHELLAF Nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	AZZEFOUN

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/035	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	29/05/2023	13:53			MAR-005	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	691	142000	623	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	691	142000	623	N/A	MA23900015	MAR-2023/009/ITD
	Poisson mort	0	0	0	0	MA23900015	MAR-2023/009/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
N/A		

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	N/A

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire

Capture

Inspection

Cargo Processeur

Support

Remorqueur

Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons



**Rapport final sur le déploiement des observateurs
Déploiement sur une Madrague**

N° de requête ICCAT : 001MA0761	
Nom de la Madrague:	
N° ICCAT de la Madrague :	
Pavillon :	Maroc
Compagnie d'exploitation de la Madrague :	
Nom de l'observateur :	KHELLAF Nacir
N° ICCAT de l'Observateur :	524
Signature:	

Détails du déploiement

Activité	Date du (jj/mm/aaaa)	Date au (jj/mm/aaaa)	Commentaire
Briefing	27/04/2023		PARIS
Mobilisation	01/05/2023		
Arrivée au port	01/05/2023		LARACHE
Date début de la requête	02/05/2023	27/06/2023	
Date début d'observation	02/05/2023	27/06/2023	
Départ	28/06/2023		LARACHE
Retour à la maison	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Résumé des documents officiels et des estimations de transfert préalable

Tableau 1 : Registres du navire de la notification de transfert préalable et de l'autorisation de transfert.

Opération de transfert #*	Notification préalable de transfert			Autorisation de transfert	
	BFT #	BFT kg	Vérification**	Numéro d'autorisation #	Vérification**
1	700	142000	e-copy Control Documents	MAR-2023/AUT/026	e-copy Control Documents

* Numéro d'opération de transfert : champ d'identification unique lié aux données de déploiement.

** Types de vérification : copie papier/copie électronique du dossier de contrôle ou confirmation verbale du capitaine du navire

2. Résumé de toutes les opérations de transfert (transfert de la Madrague à une cage de remorquage)

Tableau 2 : Résumé de toutes les opérations de transfert

Opération de transfert #	Début		Nom du remorqueur	N° ICCAT du remorqueur:	N° Cage de remorquage #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
	Date	Time					
1	19/05/2023	14:34			MAR-002	Yes	Yes

Tableau 2a : Résumé de toutes les opérations volontaires et/ou de contrôle

Opération de transfert #*	Opération de transfert Volontaire / contrôle #	Type de transfert Volontaire / contrôle	Début		Nom du navire de réception	N° ICCAT du Navire receveur #	N° Cage receveur #	Opération surveillée par un observateur (Oui / Non)	ITD Signé par l'Obs. (Oui Non)
			Date	Heure					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Opération de transfert selon le tableau 2.

Tableau 3 : Enregistrements vidéo utilisés pour estimer le nombre de poissons transférés

Opération #*	Opération de transfert volontaire ou de contrôle #**	Transfert enregistré par caméra vidéo (Oui / Non)	Qualité vidéo ****	Estimation de la quantité de BFT basée sur la vidéo (Oui / Non)	Scellés de cage placés sur la porte (Oui / Non)	Numéros d'identification des scellés de cage
1	0	Yes	3	Yes	No	N/A

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert volontaire ou de contrôle selon le tableau 2a.

*** Noté de 1 à 5 (1 = très mauvais ; 2 = mauvais, 3 = moyen ; 4= bon 5 = excellent)

Tableau 4 : Estimations de la ferme et des observateurs des thons transférés

Opération de transfert #*	Opération de transfert volontaire ou de contrôle #**	Estimation de la madrague et enregistrements de contrôle		Estimation de l'observateur	
		#	kg	#	kg
1	0	715	142000	724	

* Numéro d'opération de transfert selon le tableau 2.

** Numéro d'opération de transfert de contrôle selon le tableau 2a.

L'observateur n'est pas en mesure d'estimer le poids des thons transférés.

5. Estimation des captures totales de thon rouge par Madrague et par observateur

Tableau 5 : Registres des madragues et des observateurs pour la quantité totale de thon rouge

Opération de transfert #*	BFT	Estimation de la Madrague		Estimation de l'observateur		Référence BCD #	Référence ITD #
		# (n)	Poids (kg)	# (n)	Poids (kg)		
1	Poissons vivants	715	142000	724	N/A	MA23900010	MAR-2023/012/ITD
	Poisson mort	0	0	0	0	MA23900010	MAR-2023/012/ITD

* Numéro d'opération selon le tableau 2.

1. Liste de contrôle des exigences au titre des mesures de conservation et de gestion de l'ICCAT

Tableau 6. Résumé de la conformité observée des pièges

Événement potentiel de non-conformité	Type et numéro d'opération *	
N/A		

* Opération de transfert selon le tableau 2.

* Opération de transfert volontaire ou de contrôle selon le tableau 2a.

1. Échantillonnages

Tableau 7. Résumé des échantillonnages effectués

Opération de transfert #	Nombre de poissons mesurés par longueur	Nombre de poissons mesurés par poids	Nombre d'échantillons biologiques collectés	Nombre de BFT marqués (Tag)
NA	/	/	/	/

* Opération de transfert selon le tableau 2.

Table 8. Summary of tag recoveries

Opération de transfert #*	Type de balise (tag)	Numéro(s) d'étiquette :	Longueur	Type de longueur**	Poids(Kg)	Type de poids***	Échantillon biologique prélevé(oui/non)	Échantillon type
NA	/	/	/	/	/	/	/	/

* Opération de transfert selon le tableau 2.

** SFL – Longueur fourche droite / CFL – Longueur fourche courbée

*** WHO – Entier / GG - Branchies et tripes enlevées, trouvez également. La tête reste/ DR - Etêté, éventré, équeuté / FL - Filet / RD - Rond. Nageoires retirées. Sinon entier / OT - Autres

Annexe 1 : Plan de la Madrague

Annexe 2 : Observations de navires

Tableau 9. Détails des observations de navires d'intérêt ou de navires susceptibles d'avoir pêché en non-respect des mesures de conservation et de gestion de l'ICCAT.

Nom du navire	N° ICCAT du navire	Pavillon	IRCS.	rôle *	PNC observé	Notes
		Maroc		Towing	No	N/A

*Rôle du Navire : entrez l'un des éléments suivants

Auxiliaire

Capture

Inspection

Cargo Processeur

Support

Remorqueur

Autre

Annexe 3 : Détails des échantillonnages effectués sur les poissons

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0761	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Maroc
Farm Operating Company	
Observer Name	KHELLAF Nacir
Observer ICCAT ID No	524
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	27/04/2023		PARIS
Date of mobilisation	01/05/2023		
Arrival to port / farm	01/05/2023		LARACHE
Request dates	02/05/2023	27/06/2023	
Deployment period	02/05/2023	27/06/2023	
Departure from port / farm	28/06/2023		
Return home	28/06/2023		
Debriefing	29/06/2023	29/06/2023	ALGER

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-031	314	60138,57	MA23900599
MAR-032	640	125576,89	MA23900611
MAR-033	690	131497,52	MA23900488
MAR-034	729	117962,27	MA23900010
MAR-035	329	63120,5	MA23900425
MAR-036	775	135291,26	MA23900117
MAR-037	620	123229,51	MA23900015
MAR-038	682	134925,57	MA23900008

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MAR-2023/AUT/031	710	142000
3	MAR-2023/AUT/038	691	142000
4	MAR-2023/AUT/039	750	150000
5	MAR-2023/AUT/042	337	70000
6	MAR-2023/AUT/049	697	121975
7	MAR-2023/AUT/052	650	125679,58
8	MAR-2023/AUT/053	307	60385,13

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	23/05/2023	14:21			MAR-006	MAR-038	Standard	Caging	Yes	Yes
2	24/05/2023	17:18			MAR-002	MAR-034	Standard	Caging	Yes	Yes
3	03/06/2023	12:53			MAR-005	MAR-037	Standard	Caging	Yes	Yes
4	05/06/2023	16:51			MAR-003	MAR-036	Standard	Caging	Yes	Yes
5	10/06/2023	17:34			MAR-002	MAR-035	Standard	Caging	Yes	Yes
6	20/06/2023	13:34			MAR-006	MAR-033	Standard	Caging	Yes	Yes
7	24/06/2023	12:16			MAR-005	MAR-032	Standard	Caging	Yes	Yes
8	26/06/2023	15:41			MAR-003	MAR-031	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
2	1	After	01/06/2023	11:38	MAR-034	MAR-033	No	No

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	710	142000	668	N/A
2	0	Alive	715	142000	692	N/A
3	0	Alive	691	142000	627	N/A
4	0	Alive	750	150000	850	N/A
5	0	Alive	337	70000	325	N/A
6	0	Alive	690	131497,52	687	N/A
7	0	Alive	640	125576,89	661	N/A
8	0	Alive	314	60138,57	303	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MA23900008	MAR-2023/010/ICD	710	142000
3	MA23900015	MAR-2023/013/ICD	691	142000
4	MA23900117	MAR-2023/014/ICD	750	150000
5	MA23900425	MAR-2023/016/ICD	337	70000
6	MA23900488	MAR-2023/018/ICD	690	131497,52
7	MA23900611	MAR-2023/019/ICD	640	125576,89
8	MA23900599	MAR-2023/020/ICD	314	60138,57

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	MA23900008	MA23900008	142000
2	MA23900010	MA23900010	142000
3	MA23900015	MA23900015	142000
4	MA23900117	MA23900117	150000
5	MA23900425	MA23900425	70000
6	MA23900488	MA23900488	131497,52
7	MA23900611	MA23900611	125576,89
8	MA23900599	MA23900599	60138,57

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	4	Yes	No	N/A
2	0	Yes	3	Yes	No	N/A
3	0	Yes	3	Yes	No	N/A
4	0	Yes	4	Yes	No	N/A
5	0	Yes	2	Yes	No	N/A
6	0	Yes	3	Yes	No	N/A
7	0	Yes	3	Yes	No	N/A
8	0	Yes	3	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
NA	/	/	/	/	/

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
NA	/	/	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
NA	/	/	/	/	/	/	/

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
NA	/	/	/	/	/	/

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
NA	/	/	/	/	/	/

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
NA	/	/	/	/	/	/

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
NA	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
NA	/	/	/	/	//	/	/

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
NA	/	/	/	/	/	/	/	/	/	/

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	14/06/2023	MAR-033	MAR-034	MAR/AUT/044

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	729	117962,268	MAR23900010	Yes	690

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
NA	/	/	/	/	/	/	/

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
NA	/	/	/	/

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
NA	/	/	/	/	/	/	

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
NA	/

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
NA	/	/	/	/

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
NA	/	/	/	/	/	/	/	/

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Towing	No	N/A
		Maroc		Support	No	N/A
		Maroc		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0762</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Rogério Ferreira
Observer ICCAT ID No	559
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	21/05/2023		Valencia, Spain
Date of mobilisation	09/06/2023		
Arrival to port / farm	09/06/2023		l'Ametlla de Mar, Spain
Request dates	10/06/2023	08/09/2023	
Deployment period	10/06/2023	08/09/2023	
Departure from port / farm	09/09/2023		l'Ametlla de Mar, Spain
Return home	09/09/2023		
Debriefing	13/09/2023		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-03	931		ES23901451
ESP-03	443		FR23900889
ESP-03	184		IT23900820
ESP-11	227		ES22901468-CG02
ESP-11	4		ES22901513
ESP-16	3		ES22901468-CG02
ESP-16	223		ES22901469
ESP-16	7		ES22901475
ESP-16	436		ES22901496-CG01
ESP-16	17		ES22901496-CG02
ESP-16	6		ES22901513
ESP-16	23		ES22901516
ESP-16	11		ES22901529
ESP-16	195		ES22901530
ESP-16	117		ES22901550-CG02
ESP-16	163		FR22900755-CG02
ESP-16	261		FR22900756
ESP-16	3		FR22900765
ESP-16	145		FR22900776-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-16	25		FR22900776-CG02
ESP-16	35		FR22900788
ESP-16	14		FR22900794
ESP-16	114		FR22900803
ESP-16	21		FR22900820-CG02
ESP-16	32		IT22900965-CG02
ESP-16	40		IT22900966
ESP-16	1		IT22900967
ESP-16	4		IT22900977-CG01
ESP-16	19		IT22900977-CG02
ESP-16	1		IT22901000
ESP-16	51		IT22901002
ESP-16	11		IT22901015-CG02
ESP-18	147		ES22901499
ESP-18	48		ES22901528
ESP-18	1		ES22901548
ESP-18	45		ES22901550-CG01
ESP-18	141		FR22900755-CG01
ESP-18	231		FR22900778
ESP-18	7		FR22900818
ESP-18	227		FR22900828-CG01

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-18	7		IT22900999
ESP-18	3		IT22901014
ESP-21	944		ES23901404
ESP-21	450		FR23900811
ESP-21	186		IT23900710
ESP-22	954		ES23901407
ESP-22	454		FR23900818
ESP-22	190		IT23900715
ESP-25	861		ES23901413
ESP-25	412		FR23900828
ESP-25	170		IT23900721
ESP-26	720		ES23901430-CG01
ESP-26	343		FR23900845-CG01
ESP-26	143		IT23900731-CG01
ESP-29	764		ES23901430-CG02
ESP-29	364		FR23900845-CG02
ESP-29	150		IT23900731-CG02

Information on the farm contents was provided by the farm manager. Estimate on weight of tuna contained was not provided.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	AUT005R	2290	304570
2	AUT007R	1348	134121
3	AUT006R	699	66405
4	AUT010R	976	152928
5	AUT002R	1753	273468
6	AUT011R	1955	303025
7	AUT012R	745	115475
8	AUT001R	1477	159516
9	AUT009R	1329	116598

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	12/06/2023	16:00			ESP-05R	ESP-005	Standard	Caging	Yes	Yes
2	14/06/2023	11:50			ESP-07R	ESP-030	Standard	Caging	No	No
3	14/06/2023	15:05			ESP-06R	ESP-007	Standard	Caging	Yes	Yes
4	15/06/2023	09:50			ESP-10R	ESP-002	Standard	Caging	Yes	Yes

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
5	15/06/2023	15:35			ESP-02R	ESP-024	Standard	Caging	Yes	Yes
6	16/06/2023	12:25			ESP-11R	ESP-004	Standard	Caging	No	No
7	16/06/2023	15:30			ESP-12R	ESP-006	Standard	Caging	No	No
8	07/07/2023	10:05			ESP-01R	ESP-014	Standard	Caging	Yes	Yes
9	07/07/2023	13:20			ESP-09R	ESP-012	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

The observer did not sign the ICD nor eBCD for operation 2 as his estimate of the number of tuna caged was more than 10% to the number recorded by the farm.

The observer did not sign the ICD nor eBCD for operations 6 and 7 as the video was not of sufficient quality to allow an independent estimate of the number of tuna caged.

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control cagings performed during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	2286	304040.74	2343	
2		Alive	1348	134121	1528	
3		Alive	699	66405	766	
4		Alive	975	152770	1001	
5		Alive	1753	273468	1752	
6		Alive	1954	302870.001		
7		Alive	745	115629.85		
8		Alive	1477	159516	1525	
9		Alive	1327	116598	1344	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

The observer was not able to estimate the number of tuna caged for operations 6 and 7.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	ES23901406	LA GARRUCHA / 2023	1363	181372.433
1	FR23900816	LA GARRUCHA / 2023	653	86667.83
1	IT23900714	LA GARRUCHA / 2023	270	36000.479
2	ES23901468	KATAMBO / 2023	806	80102.561
2	FR23900897	KATAMBO / 2023	382	38165.203

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
2	IT23900886		160	15853.236
3	ES23901445		417	39659.789
3	FR23900873		200	18896.074
3	IT23900792		82	7849.138
4	ES23901420		486	76843.088
4	ES23901438		95	14333.784
4	FR23900834		233	36687.494
4	FR23900870		47	6829.392
4	IT23900728		96	15239.419
4	IT23900764		18	2836.824
5	ES23901409		1046	163326.302
5	FR23900822		499	77817.507
5	IT23900719		208	32324.191
6	ES23901408-CG01		1169	180823.94
6	FR23900820-CG01		553	86228.942
6	IT23900716-CG01		232	35817.119
7	ES23901408-CG02		445	69396
7	FR23900820-CG02		212	32529.478
7	IT23900716-CG02		88	13704.372
8	ES23901442 – CG01		882	95269
8	FR23900871 – CG01		420	45392

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
8	IT23900779 – CG01		175	18855
9	ES23901442 – CG02		792	69758.951
9	FR23900871 – CG02		378	32960.647
9	IT23900779 – CG02		157	13878.403

The eBCD FR23900870 initially contained an error with the date recorded as 16/06/2023 when the date of the operation was 15/06/2023. This was subsequently amended by the ICCAT Secretariat.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.
No group eBCDs were issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	30 seals, 5 doors: ESP0005401 to ESP0005405, ESP0005976 to ESP0005985, ESP0005436 to ESP0005445, and ESP0005381 to ESP0005385. The 6 seals used on the caging/transfer door were: 5440, 5439, 5438, 5977, 5381 and 5978
2		Yes	4	Yes	Yes	24 seals (ESP000xxxx), 4 doors: 5406 to 5429. Seals from door used for transfer were: 5407, 5416, 5422, 5411, 5412, 5415
3		Yes	5	Yes	Yes	24 seals (ESP000xxxx), 4 doors: 5771 to 5785, 5430 to 5435, 2824, 5975 and 5590
4		Yes	4	Yes	Yes	24 seals (ESP000xxxx), 4 doors: 5591 to 5596 and 5786 to 5800
5		Yes	3	Yes	Yes	24 seals (ESP000xxxx), 4 doors: 5741 to 5749, 5371 to 5380, and 5941 to 5945
6		Yes	1	No	Yes	30 seals (ESP000xxxx), 5 doors: 5466 to 5480 and 5501 to 5515

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
7		Yes	1	No	Yes	24 seals (ESP000xxxx), 4 doors: 5529 to 5545, 5750, 5600, and 5946 to 5950
8		Yes	5	Yes	Yes	30 seals (ESP000xxxx), 5 doors: 5516 to 5520, 5141 to 5160, and 5171 to 5175
9		Yes	5	Yes	Yes	24 seals (ESP000xxxx), 4 doors: 5176 to 5195 and 5197 to 5200.

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

All cage seals used were provided by the national authorities. No ICCAT cage seals were requested nor provided by the ICCAT observer.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	EFD/rpg (28/06/2023)	14/07/2023	11:00	ESP-021	ESP-09R	NUEVO TOMAS Y CARMEN	ATEU0ESP03349

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	2	Yes	7	1066.951		7

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The released tuna had no associated eBCD.

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
1	Caging	15/07/2023	08:44			ESP-09R	Yes	Yes	EFD/rpg	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	22/06/2023	ESP-006	ESP-JC7	AUT012R
2	22/06/2023	ESP-JC7	ESP-006	AUT012R
3	24/06/2023	ESP-004	ESP-JC6	AUT011R
4	24/06/2023	ESP-JC6	ESP-004	AUT011R
5	28/06/2023	ESP-026	ESP-JC4	AUT003R
6	28/06/2023	ESP-JC4	ESP-026	AUT003R
7	01/07/2023	ESP-005	ESP-JC3	AUT005R
8	01/07/2023	ESP-JC3	ESP-005	AUT005R
9	11/07/2023	ESP-003	ESP-JC3	AUT014R
10	11/07/2023	ESP-JC3	ESP-003	AUT014R
11	19/07/2023	ESP-022	ESP-JC8	AUT015R
12	19/07/2023	ESP-JC8	ESP-022	AUT015R
13	09/08/2023	ESP-007	ESP-JC10	AUT006R
14	09/08/2023	ESP-JC10	ESP-007	AUT006R

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
1	745	115629.85	IT23900716-CG02, FR23900820-CG02, ES23901408-CG02	No		
2	745	115629.85	IT23900716-CG02, FR23900820-CG02, ES23901408-CG02	No		
3	1954	302870.001	IT23900716-CG01, FR23900820-CG01, ES23901408-CG01	No		
4	1954	302870.001	IT23900716-CG01, FR23900820-CG01, ES23901408-CG01	No		
5	1206	134179		No		
6	1206	134179		No		
7	2286	304040.742	IT23900714, ES23901406, FR23900816	No		
8	2286	304040.742	IT23900714, ES23901406, FR23900816	No		
9	1558	193192		No		
10	1558	193192		No		
11	1597	263835		No		
12	1597	263835		No		
13	699	66405.001	IT23900792, FR23900873, ES23901445	Yes	766	
14	699	66405.001	IT23900792, FR23900873, ES23901445	Yes	766	

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	12/06/2023	Fresh Export	ESP-018	Yes	Yes		
2	13/06/2023	Fresh Export	ESP-018	Yes	Yes		
3	15/06/2023	Fresh Export	ESP-018	Yes	Yes		
4	16/06/2023	Fresh Export	ESP-018	Yes	Yes		
5	19/06/2023	Fresh Export	ESP-016	Yes	Yes		
6	20/06/2023	Fresh Export	ESP-018	Yes	Yes		
7	22/06/2023	Fresh Export	ESP-016	Yes	Yes		
8	23/06/2023	Fresh Export	ESP-016	Yes	Yes		
9	26/06/2023	Fresh Export	ESP-016	Yes	Yes		
10	27/06/2023	Fresh Export	ESP-016	Yes	Yes		
11	28/06/2023	Fresh Export	ESP-016	Yes	Yes		
12	30/06/2023	Fresh Export	ESP-016	Yes	Yes		
13	03/07/2023	Fresh Export	ESP-016	Yes	Yes		
14	04/07/2023	Fresh Export	ESP-016	Yes	Yes		
15	05/07/2023	Fresh Export	ESP-016	Yes	Yes		
16	06/07/2023	Fresh Export	ESP-016	Yes	Yes		
17	07/07/2023	Fresh Export	ESP-016	Yes	Yes		
18	10/07/2023	Fresh Export	ESP-011	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
19	11/07/2023	Fresh Export	ESP-002	Yes	Yes		
20	13/07/2023	Fresh Export	ESP-002	Yes	Yes		
21	14/07/2023	Fresh Export	ESP-002	Yes	Yes		
22	17/07/2023	Fresh Export	ESP-002	Yes	Yes		
23	18/07/2023	Fresh Export	ESP-002	Yes	Yes		
24	19/07/2023	Fresh Export	ESP-002	Yes	Yes		
25	20/07/2023	Fresh Export	ESP-002	Yes	Yes		
26	21/07/2023	Fresh Export	ESP-002	Yes	Yes		
27	24/07/2023	Fresh Export	ESP-021	Yes	Yes		
28	25/07/2023	Fresh Export	ESP-021	Yes	Yes		
29	27/07/2023	Fresh Export	ESP-021	Yes	Yes		
30	28/07/2023	Fresh Export	ESP-021	Yes	Yes		
31	31/07/2023	Fresh Export	ESP-021	Yes	Yes		
32	01/08/2023	Fresh Export	ESP-021	Yes	Yes		
33	03/08/2023	Fresh Export	ESP-021	Yes	Yes		
34	07/08/2023	Fresh Export	ESP-024	Yes	Yes		
35	08/08/2023	Fresh Export	ESP-024	Yes	Yes		
36	10/08/2023	Fresh Export	ESP-024	Yes	Yes		
37	11/08/2023	Fresh Export	ESP-024	Yes	Yes		
38	14/08/2023	Fresh Export	ESP-024	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
39	15/08/2023	Fresh Export	ESP-021	Yes	Yes		
40	16/08/2023	Fresh Export	ESP-021	Yes	Yes		
41	17/08/2023	Fresh Export	ESP-021	Yes	Yes		
42	18/08/2023	Fresh Export	ESP-021	Yes	Yes		
43	21/08/2023	Fresh Export	ESP-021	Yes	Yes		
44	22/08/2023	Fresh Export	ESP-021	Yes	Yes		
45	24/08/2023	Fresh Export	ESP-021	Yes	Yes		
46	25/08/2023	Fresh Export	ESP-021	Yes	Yes		
47	26/08/2023	Fresh Export	ESP-024	Yes	Yes		
48	29/08/2023	Fresh Export	ESP-024	Yes	Yes		
49	30/08/2023	Fresh Export	ESP-024	Yes	Yes		
50	31/08/2023	Fresh Export	ESP-024	Yes	Yes		
51	01/09/2023	Fresh Export	ESP-021	Yes	Yes		
52	02/09/2023	Fresh Export	ESP-023	Yes	Yes		
53	07/09/2023	Fresh Export	ESP-023	Yes	Yes		
54	08/09/2023	Fresh Export	ESP-023	Yes	Yes		
55	06/07/2023	Natural Mortality	ESP-016	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	118	37696.1	118	37795.37
2	60	17833	60	17856
3	24	7542	24	7542
4	74	18662.4	74	18662.4
5	151	27326.2	151	27839.1
6	134	24610	134	24610
7	86	10897.2	86	10897.2
8	114	11073.5	114	11076.26
9	221	23571.51	221	24195.09
10	202	18258	202	18258
11	78	6402	78	6510
12	178	15221.5	178	15249.7
13	230	18338.4	230	18338.4
14	206	16323.2	206	16323.2
15	32	2552.4	32	2552.4
16	119	9473	119	9484.26
17	78	6138.4	78	6138.4
18	152	30069.6	152	30069.6

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
19	108	23437.91	108	23437.91
20	34	8724.94	34	8724.94
21	54	11283.29	54	11283.29
22	113	27099.6	113	27087.6
23	70	14750.1	70	14750.1
24	35	7425.6	35	7425.6
25	25	5035	25	4944
26	58	11001.6	58	11001.6
27	101	25992	101	25992
28	67	17708.4	67	17708.4
29	23	6120	23	6120
30	37	9057.6	37	9057.6
31	107	25032	107	25032
32	71	19167.6	71	19167.6
33	49	12699.6	49	12699.6
34	112	27680.3	112	27680.3
35	74	19447.2	74	19447.2
36	22	6645.6	22	6645.6
37	44	10846.8	44	10846.8

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
38	145	31970.4	145	31970.4
39	24	6927.6	24	6927.6
40	12	3190	12	3796.8
41	29	6842.4	29	6842.4
42	48	11658	48	11658
43	120	27321.6	120	27321.6
44	90	19061.5	90	19061.5
45	28	6465.75	28	6465.75
46	38	7850.4	38	7850.4
47	99	21554.8	99	21554.8
48	87	16460.2	87	16460.2
49	41	7908	41	7908
50	46	8599	46	8631
51	72	16938.8	72	16938.8
52	135	35360.1	135	35381.1
53	35	11478.6	35	11478.6
54	45	10065.1	45	10065.1
55	1	71.19	1	71.19

* Harvest operation as per Table 18.

The weight of tuna harvested as declared by the farm was significantly higher than that declared by the observer for operation 40.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2023-0182-DST	ES22901499-MC01-HA01	58	19034.5	Yes	Yes	Yes
1	EU-ESP-2023-0183-DST	FR22900755-CG01-MC01-HA01	57	18219.6	Yes	Yes	Yes
1	EU-ESP-2023-0184-DST	FR22900755-CG01-MC01-HA02	2	289.28	Yes	Yes	Yes
1	EU-ESP-2023-0185-DST	ES22901548-MC01-MC01	1	251.99	Yes	Yes	Yes
2	EU-ESP-2023-0186-DST	ES22901499-MC01-HA02	60	17856	Yes	Yes	Yes
3	EU-ESP-2023-0187-DST	ES22901499-MC01-HA03	24	7542	Yes	Yes	Yes
4	EU-ESP-2023-0188-DST	ES22901499-MC01-HA04	2	505.11	Yes	Yes	Yes
4	EU-ESP-2023-0189-DST	FR22900755-CG01-MC01-HA03	72	18157.28	Yes	Yes	Yes
5	EU-ESP/2023/0190/DST	ES22901469-MC01-HA01	69	14249.57	Yes	Yes	Yes
5	EU-ESP/2023/0191/DST	ES22901469-MC01-HA02	82	13589.51	Yes	Yes	Yes
6	EU-ESP-2023-0192-DST	ES22901528-MC01-MC01-HA01	17	4077	Yes	Yes	Yes
6	EU-ESP-2023-0193-DST	ES22901550-CG01-MC01-MC01-HA01	40	7470.68	Yes	Yes	Yes
6	EU-ESP-2023-0194-DST	FR22900778-MC01-HA01	77	13062.32	Yes	Yes	Yes
7	EU-ESP-2023-0195-DST	ES22901530-MC01-HA01	86	10897.2	Yes	Yes	Yes
8	EU-ESP-2023-0196-DST	ES22901469-MC01-HA03	50	4488.31	Yes	Yes	Yes
8	EU-ESP-2023-0197-DST	ES22901550-CG02-MC01-HA01	64	6587.95	Yes	Yes	Yes
9	EU-ESP-2023-0198-DST	ES22901530-MC01-HA02	102	13155.2	Yes	Yes	Yes
9	EU-ESP-2023-0199-DST	FR22900755-CG02-MC01-HA01	119	11039.89	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
10	EU-ESP-2023-0200-DST	ES22901496-CG01-MC01-MC01-HA01	100	8857.2	Yes	Yes	Yes
10	EU-ESP-2023-0201-DST	FR22900803-HA01	102	9400.8	Yes	Yes	Yes
11	EU-ESP-2023-0202-DST	ES22901496-CG01-MC01-MC01-HA02	78	6510	Yes	Yes	Yes
12	EU-ESP-2023-0203-DST	ES22901496-CG01-MC01-MC01-HA03	100	8505.2	Yes	Yes	Yes
12	EU-ESP-2023-0204-DST	ES22901496-CG01-MC01-MC01-HA04	78	6716.2	Yes	Yes	Yes
13	EU-ESP-2023-0205-DST	FR22900756-HA01	121	9762	Yes	Yes	Yes
13	EU-ESP-2023-0206-DST	ES22901475-MC01-HA01	7	555.6	Yes	Yes	Yes
13	EU-ESP-2023-0207-DST	ES22901469-MC01-HA04	22	1672.8	Yes	Yes	Yes
13	EU-ESP-2023-0208-DST	ES22901496-CG01-MC01-MC01-HA05	80	6348	Yes	Yes	Yes
14	EU-ESP-2023-0209-DST	FR22900756-HA02	100	8001.5	Yes	Yes	Yes
14	EU-ESP-2023-0210-DST	FR22900776-CG01-MC01-HA01	106	8321.7	Yes	Yes	Yes
15	EU-ESP-2023-0211-DST	IT22900965-CG02-MC01	32	2552.4	Yes	Yes	Yes
16	EU-ESP-2023-0212-DST	IT22901002-HA01	51	3927.6	Yes	Yes	Yes
16	EU-ESP-2023-0213-DST	IT22900966-MC01	40	3265.66	Yes	Yes	Yes
16	EU-ESP-2023-0214-DST	FR22900776-CG02-MC01-MC01	25	2007.77	Yes	Yes	Yes
16	EU-ESP-2023-0215-DST	FR22900765-MC01-MC01	3	283.23	Yes	Yes	Yes
17	EU-ESP-2023-0217-DST	FR22900776-CG01-MC01-HA02	39	3183.32	Yes	Yes	Yes
17	EU-ESP-2023-0218-DST	ES22901468-CG02-MC02	3	211.2	Yes	Yes	Yes
17	EU-ESP-2023-0219-DST	FR22900788-MC01	36	2743.84	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
18	EU-ESP-2023-0220-DST	ES22901468-CG02-MC01-MC01-HA01	66	17951.95	Yes	Yes	Yes
18	EU-ESP-2023-0221-DST	ES22901468-CG02-MC01-MC01-HA02	86	12117.6	Yes	Yes	Yes
19	EU-ESP-2023-0222-DST	ES23901438-HA01	82	16314.71	Yes	Yes	Yes
19	EU-ESP-2023-0223-DST	FR23900870-HA01	26	7123.2	Yes	Yes	Yes
20	EU-ESP-2023-0224-DST	ES23901420-HA01	34	8724.94	Yes	Yes	Yes
21	EU-ESP-2023-0225-DST	ES23901420-HA02	54	11283.29	Yes	Yes	Yes
22	EU-ESP-2023-0226-DST	ES23901420-HA03	58	13492.8	Yes	Yes	Yes
22	EU-ESP-2023-0227-DST	IT23900728-HA01	55	13594.8	Yes	Yes	Yes
23	EU-ESP-2023-0228-DST	FR23900834-HA01	70	14750.1	Yes	Yes	Yes
24	EU-ESP-2023-0229-DST	IT23900728-HA02	75	7425.6	Yes	Yes	Yes
25	EU-ESP-2023-0231-DST	FR23900834-HA02	25	4944	Yes	Yes	Yes
26	EU-ESP-2023-0232-DST	FR23900834-HA03	58	11001.6	Yes	Yes	Yes
27	EU-ESP-2023-0233-DST	ES23901404-HA01	51	13448.4	Yes	Yes	Yes
27	EU-ESP-2023-0234-DST	ES23901404-HA02	50	12543.6	Yes	Yes	Yes
28	EU-ESP-2023-0235-DST	ES23901404-HA03	67	17708.4	Yes	Yes	Yes
29	EU-ESP-2023-0236-DST	ES23901404-HA04	17	4353.6	Yes	Yes	Yes
29	EU-ESP-2023-0237-DST	ES23901404-HA05	6	1766.4	Yes	Yes	Yes
30	EU-ESP-2023-0238-DST	ES23901404-HA06	37	9057.6	Yes	Yes	Yes
31	EU-ESP-2023-0240-DST	ES23901404-HA008	70	16192.8	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
31	EU-ESP-2023-0241-DST	ES23901404-HA009	35	8427.6	Yes	Yes	Yes
31	EU-ESP-2023-0242-DST	ES23901404-HA010	2	411.2	Yes	Yes	Yes
32	EU-ESP-2023-0243-DST	ES23901404-HA011	70	18916.8	Yes	Yes	Yes
32	EU-ESP-2023-0244-DST	ES23901404-HA012	1	250.8	Yes	Yes	Yes
33	EU-ESP-2023-0245-DST	ES23901404-HA013	49	12699.6	Yes	Yes	Yes
34	EU-ESP-2023-0246-DST	ES23901409-HA01	60	14342.29	Yes	Yes	Yes
34	EU-ESP-2023-0247-DST	ES23901409-HA02	52	13555.2	Yes	Yes	Yes
35	EU-ESP-2023-0248-DST	ES23901409-HA03	73	19153.2	Yes	Yes	Yes
35	EU-ESP-2023-0249-DST	ES23901409-HA04	1	294	Yes	Yes	Yes
36	EU-ESP-2023-0251-DST	ES23901409-HA05	22	6645.6	Yes	Yes	Yes
37	EU-ESP-2023-0252-DST	ES23901409-HA07	42	10460.4	Yes	Yes	Yes
37	EU-ESP-2023-0253-DST	ES23901409-HA08	2	386.4	Yes	Yes	Yes
38	EU-ESP-2023-0254-DST	FR23900822-HA01	68	15690	Yes	Yes	Yes
38	EU-ESP-2023-0255-DST	IT23900719-HA01	73	15482.4	Yes	Yes	Yes
38	EU-ESP-2023-0256-DST	IT23900719-HA02	4	798	Yes	Yes	Yes
39	EU-ESP-2023-0257-DST	ES23901404-HA015	2	424.8	Yes	Yes	Yes
39	EU-ESP-2023-0258-DST	ES23901404-HA016	22	6502.8	Yes	Yes	Yes
40	EU-ESP-2023-0259-DST	ES23901404-HA017	12	3796.8	Yes	Yes	Yes
41	EU-ESP-2023-0260-DST	IT23900710-HA01	28	6638.4	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
41	EU-ESP-2023-0261-DST	IT23900710-HA02	1	204	Yes	Yes	Yes
42	EU-ESP-2023-0262-DST	IT23900710-HA03	46	11228.4	Yes	Yes	Yes
42	EU-ESP-2023-0263-DST	IT23900710-HA04	2	429.6	Yes	Yes	Yes
43	EU-ESP-2023-0265-DST	ES23901404-HA018	67	15140.4	Yes	Yes	Yes
43	EU-ESP-2023-0266-DST	ES23901404-HA019	53	12181.2	Yes	Yes	Yes
44	EU-ESP-2023-0267-DST	ES23901404-HA020	36	8010.57	Yes	Yes	Yes
44	EU-ESP-2023-0268-DST	ES23901404-HA021	53	10805.88	Yes	Yes	Yes
44	EU-ESP-2023-0269-DST	ES23901404-HA021	1	250	Yes	Yes	Yes
45	EU-ESP-2023-0270-DST	ES23901404-HA022	28	6465.75	Yes	Yes	Yes
46	EU-ESP-2023-0271-DST	ES23901404-HA023	38	7850.4	Yes	Yes	Yes
47	EU-ESP-2023-0272-DST	ES23901409-HA08	35	7573.72	Yes	Yes	Yes
47	EU-ESP-2023-0273-DST	IT23900719-HA03	64	13981.12	Yes	Yes	Yes
48	EU-ESP-2023-0274-DST	FR23900822-HA02	19	12455.78	Yes	Yes	Yes
48	EU-ESP-2023-0275-DST	FR23900822-HA03	68	3644.4	Yes	Yes	Yes
49	EU-ESP-2023-0276-DST	IT23900719-HA04	41	7908	Yes	Yes	Yes
50	EU-ESP-2023-0277-DST	FR23900822-HA04	40	7260.64	Yes	Yes	Yes
50	EU-ESP-2023-0278-DST	FR23900822-HA05	2	390	Yes	Yes	Yes
50	EU-ESP-2023-0279-DST	FR23900822-HA06	4	980.34	Yes	Yes	Yes
51	EU-ESP-2023-02780-DST	FR23900811-HA01	3	582	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
51	EU-ESP-2023-02781-DST	FR23900811-HA02	69	16356.8	Yes	Yes	Yes
52	EU-ESP-2023-02782-DST	ES23901409-MC01-HA01	68	18448.8	Yes	Yes	Yes
52	EU-ESP-2023-02783-DST	ES23901409-MC01-HA02	67	16932.3	Yes	Yes	Yes
53	EU-ESP-2023-02785-DST	ES23901409-MC01-HA03	34	11239.75	Yes	Yes	Yes
53	EU-ESP-2023-02786-DST	ES23901409-MC01-HA04	1	238.8	Yes	Yes	Yes
54	EU-ESP-2023-02787-DST	ES23901409-MC01-HA05	43	9636.72	Yes	Yes	Yes
54	EU-ESP-2023-02788-DST	ES23901409-MC01-HA06	2	428.4	Yes	Yes	Yes
55	EU-ESP-2023-0216-DST	IT22901000-MC01-MC01	1	71.19	Yes	Yes	No

* Harvest operation as per Table 18.

The eBCDs ES22901530-MC01-HA02 and FR22900755-CG02-MC01-HA01 (HOP9) originally contained an error with the weight of tuna harvests. These listed 12538.47kg and 9157.2kg respectively. The correct amounts were 13155.2kg and 11039.8kg respectively. The eBCDs were subsequently amended with the correct figures.

The eBCD IT22901000-MC01-MC01 related to a natural mortality recovered from the farm. This was signed by the national authorities.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event ⁷	Caging operation *			Harvest Operation
	2	6	7	40
CBDX - Observer observations of caging operation do not agree with those in the eBCD (number of tuna).	X			
CCNP - Independent observer estimate of amount caged was not possible due to video quality		X	X	
HMSH - Observer observations of harvest do not agree with eBCD and ICD records (weight of harvested tuna)				X

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

COP2 – CBDX: The observer's estimate of the number of tuna caged was more than 10% different to amount recorded in the eBCD and ICD. The observer estimated 1528 pieces, and the total amount recorded in the eBCDs E23901468, FR23900897 and IT23900886 was 1349. This is a possible non-compliance with Annex 6 and 12 of Recommendation 21-08. The observer did not sign the eBCDs nor ICD and put the code CBDX in the comments.

COP6 – CCNP: The observer was unable to estimate the weight of tuna caged due to the poor quality of the video, specifically murky water. This is a possible non-compliance with Para 124 and Annex 8 of Recommendation 21-08. The observer did not sign the eBCDs nor ICD and put the code CCNP in the comments.

COP7 – CCNP: The observer was unable to estimate the weight of tuna caged due to the poor quality of the video, specifically murky water on some occasions. This is a possible non-compliance with Para 124 and Annex 8 of Recommendation 21-08. The observer did not sign the eBCDs nor ICD and put the code CCNP in the comments.

HOP40 – HMSH: After a harvest operation on 16/08/2023, the weight of tuna declared in the eBCD (ES23901404-HA017) and the harvest declaration was not correct. Both documents declare a weight of 3796.80kg (12 pieces). The real weight was 3186.75kg. This is a possible non-compliance with Rec. 22-08; Annex 6 y 15 124 y Rec. 18-13 Annex 1. The observer signed both documents as at the moment he did not note the discrepancy.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	118	32	0	0
2	60	12	0	0
3	24	12	0	0
4	74	48	0	0
5	151	64	0	0
6	134	56	0	0
7	86	24	0	0
8	114	32	0	0
9	221	22	0	0
10	202	7	0	0
11	78	4	0	0
12	178	19	0	0
13	230	11	1	1
14	206	17	0	0
15	32	4	0	0
16	119	12	0	0
17	78	12	0	0
18	152	61	0	0
19	108	22	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
20	34	14	0	0
21	54	10	0	0
22	113	17	0	0
23	70	20	0	0
24	35	11	0	0
25	25	25	0	0
26	58	26	0	0
27	101	11	0	0
28	67	5	0	0
29	23	23	0	0
30	38	14	0	0
31	107	17	1	1
32	71	33	0	0
33	49	7	0	0
34	112	26	0	0
35	74	4	0	0
36	22	22	0	0
37	44	2	1	1
38	145	9	1	1
39	24	20	0	0
40	12	12	0	0

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
41	29	5	0	0
42	48	14	0	0
43	120	14	0	0
44	90	36	0	0
45	28	28	0	0
46	38	12	1	1
47	99	45	0	0
48	87	29	0	0
49	41	9	0	0
50	46	46	0	0
51	72	16	0	0
52	135	21	0	0
53	35	11	0	0
54	45	15	0	0
55	1	1	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
13	Double spaghetti tag	Not visible	162	SFL	70	DWT	Yes	Fin Clip

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
31	Single spaghetti tag	085394	219	SFL	186	DWT	Yes	Fin Clip
37	Single spaghetti tag	AAB 002569	238	SFL	Null	N/A	Yes	Fin Clip
38	Acoustic tag	BYP 083831	248	SFL	303	DWT	Yes	Fin Clip
46	Single spaghetti tag	BYP 082348	225	SFL	209	DWT	Yes	Fin Clip

* Harvest operation as per Table 18.

DWT was dressed with tail on.

The samples were shipped to AZTI MARINE RESEACH DIVISION, HERRERA KAIA POZTUALDEA Z-G, 20110 PASAIA.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.Italy		Farm	No	
		EU.España		Towing	No	
		EU.España		Farm	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0763</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Dália Cristina Gonçalves Neves
Observer ICCAT ID No	572
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	08/05/2023		Lisbon, Portugal
Date of mobilisation	09/05/2023		
Arrival to port / farm	10/05/2023		San Pedro del Pinatar, Spain
Request dates	11/05/2023	22/05/2023	
Deployment period	11/05/2023	22/05/2023	
Departure from port / farm	23/05/2023		San Pedro del Pinatar, Spain
Return home	24/05/2023		
Debriefing	30/05/2023		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
CONTROL	0	0	
ESP001	0	0	
ESP002	0	0	
ESP003	0	0	
ESP004	0	0	
ESP005	0	0	
ESP006	0	0	
ESP021	0	0	
ESP022	0	0	
ESP023	0	0	
ESP024	0	0	
ESP025	0	0	
ESP026	15	1253	ES22901504-MC01
ESP026	12	1338	FR22900777-CG04-MC01
ESP027	0	0	
ESP028	0	0	
ESP029	0	0	
ESP036R	0	0	
ESP040R	0	0	

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP041R	0	0	
ESP047R	0	0	
ESP051R	0	0	
ESP-053R	0	0	
ESP058R	0	0	

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set
There were no caging operations during the deployment period.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.
** Standard / Inter-farm Transfer / Trap
*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.
** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
B/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	N/A	EFD/bgg						

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Although a Release operation was performed, no prior to release segregation operation was performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

Although a Release operation was performed, no prior to release segregation operation was performed during the deployment period.

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report	Release report validated by observer (Yes / No)
		Date	Time							
1	Harvest	19/05/2023	08:45			ESP026	Yes	Yes	004	No

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

The release operation was performed without a pre-segregation of the individuals to an empty cage. It was made directly from the farm cage. The release report was not signed.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
1	11/05/2023	Fresh Export	ESP026	Yes	Yes		

** Bulk or for Fresh Export or Incidental/Natural Mortality

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	27	2591	27	2591

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/257/DSDT	ES22901504-MC01-HA03	15	1253	Yes	Yes	Yes
1	EU-ESP-2022/257/DSDT	FR22900777-CG04-MC01-HA011	12	1338	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	Release operation 1
Release not conducted at a minimum distance of 10 miles from the farm, or in the case of less than 5 tonnes of tuna, a minimum of 5 miles.	X
No prior segregation of tuna to be released, into an empty transport cage occurred	X

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

For the release operation performed from ESP-026, carried out on 19/05/2023, following release order EFD/bgg, no prior to release segregation operation was performed. This is a potential non-compliance with Annex 10, paragraph 3 of Rec. 21-08 which states: Prior to the release from a farm cage, the farm CPC competent authority shall ensure that the fish to be released is segregated and moved to an empty transport cage, and the transfer of the fish to the transport cage is monitored by control camera in the water, in accordance with the minimum standards set out in Annex 8; and paragraph 4 which states that The prior segregation of the fish shall be conducted in the presence of an ICCAT regional observer.

Furthermore, the tuna were released directly from the farm cage instead of being towed the required distance from the farm. This is a potential non-compliance with Annex 10, paragraphs 9 of Rec. 21-08 which states that release operations from farms must be executed....at a minimum distance of 10 miles from the farm. For releases of less than 5 tonnes of bluefin tuna, the farm CPC competent authority may set a shorter distance, of minimum 5 miles, for the release.

A total of 7 fish were released. The farm produced the release report 004 which was not signed by the observer, who instead input her name, ROP-BFT number, date and the declaration "no conforme".

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	27	27	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags were recovered.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		EU.Portugal		Support	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0764</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Cláudio Brandão
Observer ICCAT ID No	889
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	16/05/2023		Lisbon, Portugal
Date of mobilisation	16/05/2023		
Arrival to port / farm	16/05/2023		Barbate, Spain
Request dates	17/05/2023	15/07/2023	
Deployment period	17/05/2023	15/07/2023	
Departure from port / farm	15/07/2023		Barbate, Spain
Return home	16/07/2023		
Debriefing	18/07/2023		Valencia, Spain

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
1	0	0	NA
2	0	0	NA
3	0	0	NA
4	0	0	NA
5	0	0	NA

Information on the farm contents was provided by the farm manager.

Refer to Cage Plan, Annex 1

Initially the cage numbers were identified with a simple number. These were later changed to the format required by Rec 21-08 / 22-08.

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	EU-ESP/2023/AUT/001	800	96000
2	EU-ESP/2023/AUT/002	800	96000
3	EU-ESP/2023/AUT/003	800	96000
4	EU-ESP/2023/AUT/004	500	60000

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Trap Name	Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	23/05/2023	11:10			N/A	ESP-003	Trap	Caging	No	No
2	28/05/2023	08:50			N/A	ESP-003	Trap	Caging	Yes	Yes
3	19/06/2023	08:50			N/A	ESP-002	Trap	Caging	Yes	Yes
4	06/07/2023	11:35			N/A	ESP-002	Trap	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
1	1	After	25/05/2023	10:52	ESP-003	ESP-005	Yes	Yes

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	1	Alive	1007	95665	1104	
2		Alive	975	102375	1054	
3		Alive	825	107250	866	
4		Alive	555	68542.5	588	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	eBCD #	ICD document #	#	kg
1	ES23901562	EU-ESP/2023/AUT/001	1007	95665
2	ES23901563	EU-ESP/2023/AUT/002	975	102375
3	ES23901564	EU-ESP/2023/AUT/003	825	107250
4	ES23901659	EU-ESP/2023/AUT/004	555	68542.5

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.
No group eBCDs were issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	Yes	ESP0005271 – ESP0005275
1	1	Yes	4	Yes	Yes	ESP0006101 – ESP0006105
2		Yes	4	Yes	Yes	ESP0006011 - ESP0006015
3		Yes	5	Yes	Yes	ESP0006156 – ESP0006160
4		Yes	5	Yes	Yes	ESP0006146 – ESP0006151

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).
The cage seals were provided by the national authorities. No ICCAT cage seals were used.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	27/06/2023	ESP 002	ESP 004	EU-ESP/2023/AUT/003

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	825	107250	ES23901564	Yes	866

* Intra farm transfer operations as per Table 16.

The following ICCAT cage seals were used at the end of the transfer operation: AT07126 – AT07135, on request by the national authorities.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *		
	OTH	COP1	COP2
Farm cage without a unique identifiable number – CNAC	X		
ICCAT Caging Declaration incomplete or not produced within 1 week after the actual caging operation - CICE		X	X

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

OTH – CNAC: The cage numbers did not include the CPC code followed by at least 3 numbers. Instead the cage numbers were only identified by a single number. This is in potential non-compliance with Rec. 21-08, Para 148. This was rectified the following day prior to any caging operations."

COP1 – CICE: The caging operation was on the 23rd of May and the control caging operation was on the 25th of May. The ICD was not issued until the 7th of June. This is in potential non-compliance with Para 168 of Rec. 21-08 which requires the ICD to be produced within one week of the completion of the operation.

COP2 – CICE: The caging operation was on the 28th of May. The ICD was not issued until the 7th of June. This is in potential non-compliance with Para 168 of Rec. 21-08 which requires the ICD to be produced within one week of the completion of the operation.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tag recoveries during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España	224383750á	Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España	EA3744	Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España		Support	No	
		EU.España	EA4679	Support	No	
		EU.España		Support	No	
		EU.España	EA5345	Support	No	
		EU.España	EA4431	Support	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0765</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Portugal
Farm Operating Company	
Observer Name	Rebeca Vaquerizo Velasco
Observer ICCAT ID No	487
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	20/05/2023		Valencia, Spain
Date of mobilisation	28/05/2023		
Arrival to port / farm	28/05/2023		Olhao, Portugal
Request dates	29/05/2023	14/06/2023	
Deployment period	29/05/2023	14/06/2023	
Departure from port / farm	15/06/2023		Olhao, Portugal
Return home	16/06/2023		
Debriefing	15/06/2023		Olhao, Portugal

The deployment was ended earlier than the original request, following completion of operations by the farm. The original request was to 30/06/2023.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
PRT-902	0	0	Null

Information on the farm contents was provided by the farm manager.

The farm was empty upon arrival.

Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	EUR-2023-AUT/001/CGD/FAR.PRT11		

* Caging operation number: Unique identification field linked to the deployment data set

Ni initial estimates were provided with the caging authorisation.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Trap Name	Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	01/06/2023	09:02	TUNIPEX	ATEU2PRT00001	N/A	PRT902	Trap	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

No control cagings were performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1194	164091.42	1191	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	PT23900553	EUR-2023-AUT/001/CGD/FAR.PRT11	1194	164091.42

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

No group eBCDs were issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 No inter-farm transfers were performed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No prior to release segregation operations were performed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

No release operations were performed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
 No within farm transfers were performed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

No harvest operations were performed during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

No PNCs observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
No sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
No tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Portugal		Farm	No	
		EU.Portugal		Farm	No	
		EU.Portugal		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0766</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Dália Neves
Observer ICCAT ID No	572
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	30/05/2023		Lisbon, Portugal
Date of mobilisation	03/06/2023		
Arrival to port / farm	04/06/2023		San Pedro del Pinatar, Spain
Request dates	05/06/2023	07/07/2023	
Deployment period	05/06/2023	07/07/2023	
Departure from port / farm	08/07/2023		San Pedro del Pinatar, Spain
Return home	10/07/2023		
Debriefing	14/07/2023		Lisbon, Portugal

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP001			ES23901447, IT23900804, CY23900031.
ESP002			ES23901448, IT23900807, CY23900032.
ESP003			ES23901463, IT23900858, CY23900034.
ESP004			ES23901467, IT23900878, CY23900036.
ESP005	0	0	Null
ESP006			ES23901463, IT23900858, CY23900034.
ESP007			ES23901463, IT23900858, CY23900034.
ESP008			ES23901448, IT23900807, CY23900032.
ESP009	0	0	Null
ESP010	0	0	Null
ESP021			ES23901403, FR23900802.
ESP022			ES23901403, FR23900802.
ESP023			ES23901412, FR23900827.
ESP024			ES23901412, FR23900827.
ESP025			ES23901412, FR23900827.
ESP026			ES23901412, FR23900827.
ESP027			ES23901411, FR23900826.
ESP028			ES23901411, FR23900826.
ESP029	0	0	Null

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP030	0	0	Null
ESP035	0	0	Null

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	AUT051R EFD/bas	1000	150000
2	AUT032R EFD/rhb	950	123500
3	AUT038R EFD/rhb	800	104000
4	AUT062R EFD/rhb	969	145350
5	AUT031R EFD/rhb	831	124650
6	AUT055R EFD/rhb	877	131550
7	AUT045R EFD/bas	680	86858.9
8	AUT052R EFD/bas	1250	175000
9	AUT053R EFD/bas	773	115950
10	AUT064R EFD/rhb	1000	150000
11	AUT036R EFD/rhb	1200	180000
12	AUT046R EFD/bas	1400	196000
13	AUT044R EFD/bas	1450	203000
14	AUT037R EFD/rhb	574	131305
15	AUT058R EFD/rhb	838	191695

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	06/06/2023	14:39			ESP051R	ESP001	Standard	Caging	Yes	Yes
2	07/06/2023	11:44			ESP032R	ESP021	Standard	Caging	Yes	Yes
3	08/06/2023	08:50			ESP038R	ESP022	Standard	Caging	Yes	Yes
4	09/06/2023	09:50			ESP062R	ESP023	Standard	Caging	Yes	Yes
5	12/06/2023	08:59			ESP031R	ESP024	Standard	Caging	Yes	Yes
6	12/06/2023	12:20			ESP055R	ESP002	Standard	Caging	Yes	Yes
7	15/06/2023	10:46			ESP045R	ESP004	Standard	Caging	Yes	Yes
8	15/06/2023	12:35			ESP052R	ESP003	Standard	Caging	No	No
9	20/06/2023	09:50			ESP053R	ESP008	Standard	Caging	Yes	Yes
10	20/06/2023	09:53			ESP064R	ESP025	Standard	Caging	No	No
11	21/06/2023	09:07			ESP036R	ESP026	Standard	Caging	No	No
12	21/06/2023	12:31			ESP046R	ESP007	Standard	Caging	No	No
13	22/06/2023	09:15			ESP044R	ESP006	Standard	Caging	No	No
14	22/06/2023	10:50			ESP037R	ESP027	Standard	Caging	No	No
15	23/06/2023	08:49			ESP058R	ESP028	Standard	Caging	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
13	1	After	01/07/2023	08:45	ESP006	ESP010	Yes	No

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

For Caging operation 13 the eBCD and the ICD were not signed by the observer due to the low quality of the video which did not allow an estimation. A control caging operation was performed on 01/07. The observer signed the ICD following the control operation but not the eBCD as this had been issued prior to the control operation.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1000	150000	1004	
1		Dead	0	0	0	
2		Alive	950	123500	874	
2		Dead	0	0	0	
3		Alive	800	104000	797	
3		Dead	0	0	0	
4		Alive	969	145350	940	
4		Dead	0	0	0	
5		Alive	831	124650	801	
5		Dead	0	0	0	
6		Alive	877	131550	891	
6		Dead	0	0	0	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
7		Alive	680	86858.9	665	
7		Dead	0	0	0	0
8		Alive	1250	175000	1410	
8		Dead	0	0	0	0
9		Alive	773	115950	845	
9		Dead	0	0	0	0
10		Alive	1000	149970		
10		Dead	0	0	0	0
11		Alive	1200	180000	1413	
11		Dead	0	0	0	0
12		Alive	1401	195999.6		
12		Dead	0	0	0	0
13		Alive	1449	202999.6	1330	
13		Dead	0	0	0	0
14		Alive	574	131304.5		
14		Dead	0	0	0	0
15		Alive	838	191695.5		
15		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	CY23900031		70	10595.25
1	ES23901447		217	32008.95
1	IT23900804		713	107395.8
2	ES23901403-CG01		290	36817.948
2	FR23900802-CG01		660	86682.052
3	ES23901403-CG02		244	31004.588
3	FR23900802-CG02		556	72995.412
4	ES23901412-CG01		297	44517.943
4	FR23900827-CG01		672	100832.057
5	ES23901412-CG02		254	38177.927
5	FR23900827-CG02		577	86472.073
6	CY23900032-CG01		62	9301.42
6	ES23901448-CG01		189	27967.189
6	IT23900807-CG01		627	94281.254
7	CY23900036		48	6135.285
7	ES23901467		148	18535.103
7	IT23900878		484	62188.611
8	CY23900034-CG01		88	12371.677
8	ES23901463-CG01		267	37375.654
8	IT23900858-LT01-CG01		895	125252.669

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
9	CY23900032-CG02		54	8198.401
9	ES23901448-CG02		166	24650.79
9	IT23900807-CG02		552	83100.809
10	ES23901412-CG03		306	45912.15
10	FR23900827-CG03		694	104057.85
11	ES23901412-CG04		367	55130.58
11	FR23900827-CG04		833	124869.42
12	CY23900034-CG02		99	13856.278
12	ES23901463-CG02		299	41860.299
12	IT23900858-LT01-CG02		1003	140282.989
13	CY23900034-CG03		102	14351.145
13	ES23901463-CG03		309	43355.309
13	IT23900858-LT01-CG03		1038	145293.096
14	ES23901411-CG01		176	40216.084
14	FR23900826-CG01		398	91088.449
15	ES23901411-CG02		256	58712.679
15	FR23900826-CG02		582	132982.788

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.
There were no group eBCDs issued during the deployment period.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	20 seals seen being placed. 4 of them not able to see the number in the video. 9766, 9768, 9769, from 9772 to 9779 and 9881 to 9885.
2		Yes	3	Yes	Yes	9795, 9796, 9797, 9798, 9799, 9786, 9787, 9788, 9789, 9790, 9800, 9785, 9784, 9781, 9783, 9782, 9791, 9792, 9793, 9794.
3		Yes	3	Yes	Yes	9825, 9826, 9821, 9822, 9824, 9827, 9828, 9830, 9829, 9816, 9811, 9812, 9820, 9819, 9817, 9814, 9813, 9818, 9815.
4		Yes	4	Yes	Yes	9831 to 9850.
5		Yes	4	Yes	Yes	3200 to 3220.
6		Yes	3	Yes	Yes	3221 to 3240.
7		Yes	3	Yes	Yes	3241 to 3260.
8		Yes	5	Yes	Yes	3261 to 3280.
9		Yes	3	Yes	Yes	3006 to 3025.
10		Yes	1	No	Yes	3026 to 3030, 3056 to 3060 and 3136 to 3145.

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
11		Yes	3	Yes	Yes	3106 to 3125.
12		Yes	1	No	Yes	3346 to 3365 (only 19 seen being exposed. 1 fall out)
13		Yes	1	No	Yes	3161 to 3180.
13	1	Yes	3	Yes	No	
14		Yes	1	No	Yes	3301 to 3320.
15		Yes	2	No	Yes	3321 to 3340.

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The cage seals were provided by the national authorities. No ICCAT cage seals were requested nor provided.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	01/07/2023	ESP010	ESP006	AUT044R EFD/bas

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	1449	202999.55	CY23900034-CG03, ES23901463-CG03, IT23900858-LT01-CG03	Yes	1311

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	20/06/2023	Incidental / Natural Mortality	ESP064R	No	Yes		
2	22/06/2023	Incidental / Natural Mortality	ESP044R	No	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	2	302		
2	2	413		

* Harvest operation as per Table 18.

The farm did not provide an official estimate.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1			2	202	No	No	No
2			2	413	No	No	No

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation number						
	COP8	COP10	COP11	COP12	COP13	COP14	COP15
Observer estimate of number of tuna caged not consistent with farm's estimate – CODP	X		X				
Independent observer estimate of amount caged was not possible due to video quality - CCNP		X		X	X	X	X

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

COP8 CODP - Observer estimate of number of tuna caged not consistent with farm's estimate. The observer's estimate was 1410 tuna. The amount recorded in the eBCDs IT23900858, ES23901463 y CY23900034, and ICD was 1250. This is a difference of more than 10%. This is a possible non-compliance with Annex 6 and 12 of Rec. 21-08.

COP10 CCNP - Independent observer estimate of amount caged was not possible due to video quality. In particular there was a lot of light and it was difficult to distinguish individual tuna. This is a potential non-compliance with Para 162 and Annex 8 of Rec. 21-08.

COP11 CODP - Observer estimate of number of tuna caged not consistent with farm's estimate. The observer's estimate was 1413 tuna. The amount recorded in the eBCDs ES23901412 and FR23900827, and ICD was 1200. This is a difference of more than 10%. This is a possible non-compliance with Annex 6 and 12 of Rec. 21-08.

COP12 CCNP - Independent observer estimate of amount caged was not possible due to video quality. In particular there was very little visibility and it was difficult to distinguish individual tuna. This is a potential non-compliance with Para 162 and Annex 8 of Rec. 21-08.

COP13 CCNP - Independent observer estimate of amount caged was not possible due to video quality. In particular there was very little visibility and it was difficult to distinguish individual tuna. This is a potential non-compliance with Para 162 and Annex 8 of Rec. 21-08.

A later control operation was carried out whereby the observer was able to estimate the amount of tuna caged. The observer subsequently signed the ICD, but had not signed the eBCD as this had been produced prior to the control operation.

COP14 CCNP - Independent observer estimate of amount caged was not possible due to video quality. In particular there was very little visibility and it was difficult to distinguish individual tuna. This is a potential non-compliance with Para 162 and Annex 8 of Rec. 21-08.

COP15 CCNP - Independent observer estimate of amount caged was not possible due to video quality. In particular there was very little visibility with a lot of tuna passing at the same time, and it was difficult to distinguish individual tuna. This is a potential non-compliance with Para 162 and Annex 8 of Rec. 22-08.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	2	2	0	0
2	2	2	0	0

* Harvest operation as per Table 18.

The fish sampled on HOP 1 were sampled from fish that died prior to COP10.

The fish sampled on HOP 2 were sampled from fish that died prior to COP13.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Portugal		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Farm	No	

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0767	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Italy
Farm Operating Company	
Observer Name	Daniel Miret
Observer ICCAT ID No	132
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	08/06/2023		Torre del Greco, Italy
Date of mobilisation	08/06/2023		
Arrival to port / farm	08/06/2023		Ercolano, Italy
Request dates	09/06/2023	18/06/2023	
Deployment period	09/06/2023	14/06/2023	
Departure from port / farm	14/06/2023		
Return home	16/06/2023		
Debriefing	15/06/2023		Torre del Greco, Italy

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

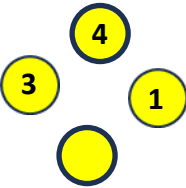
Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
N/A						

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.



Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001EU0768	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Nadime MEROUEH
Observer ICCAT ID No	509
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	07/06/2023		Online Briefing
Date of mobilisation	08/06/2023		
Arrival to port / farm	08/06/2023		Marsaxlokk
Request dates	09/06/2023	07/09/2023	
Deployment period	09/06/2023	07/09/2023	
Departure from port / farm	09/09/2023		
Return home	11/09/2023		
Debriefing	10/09/2023		PARIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
003xxx	1480	199547	MT23900415-G-CG01
004xxx	2500	180000	DZ23900011-LT01-TR01
005xxx	1786	205000	MT23900422-G
006xxx	1501	185000	MA23900129-CG02 / TN23900010-TR01-CG02
008xxx	2766	249000	MA23900129-CG01 / TN23900010-TR01-CG01
010xxx	1811	138000	DZ23900010-LT01-CG01
012xxx	2900	250000	DZ23900015-LT01
014xxx	1280	140000	MA23900378-CG01 / TN23900012-TR01-CG01
017xxx	1750	201000	DZ23900016-LT01-CG02
018xxx	1976	168000	MA23900016-CG01 / TN23900005-TR01-CG01
019xxx	1501	177336	DZ23900006-TR01-CG02
020xxx	2500	228750	MA23900016-CG02 / TN23900005-TR01-CG02
021xxx	1503	212375	MA23900016-CG03 / TN23900005-TR01-CG03
022xxx	2800	115000	DZ23900006-TR01-CG01
023xxx	1430	183000	MA23900378-CG02 / MT23900411-G-CG01 / TN23900012-TR01-CG02
024xxx	1121	169000	MT23900420-G
025xxx	1255	189500	DZ23900010-LT01-CG02
026xxx	2750	178000	DZ23900014-LT01-CG01 / DZ23900016-LT01-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MLT-2023-AUT-CG-016	2167	115438
2	MLT-2023-AUT-CG-017	1910	153690
3	MLT-2023-AUT-CG-034	1590	197620
4	MLT-2023-AUT-CG-043	1131	107522,288
5	MLT-2023-AUT-CG-039	2698	184125
6	MLT-2023-AUT-CG-040	1260	85964
7	MLT-2023-AUT-CG-069	1607	90650
8	MLT-2023-AUT-CG-070	1400	150000
9	MLT-2023-AUT-CG-078	1534	199,547
10	MLT-2023-AUT-CG-044	1588	162606,692
11	MLT-2023-AUT-CG-079	2655	159000
12	MLT-2023-AUT-CG-083	1718	102350
13	MLT-2023-AUT-CG-084	1250	117500
14	MLT-2023-AUT-CG-081	2000	140000
15	MLT-2023-AUT-CG-080	1395	115003,8
16	MLT-2023-AUT-CG-092	1078	99504,999
17	MLT-2023-AUT-CG-082	2113	149957,156
18	MLT-2023-AUT-CG-091	1698	123106,864

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	17/06/2023	13:41			TUN-011xxx	EU.MLT.018xxx	Standard	Caging	Yes	Yes
2	18/06/2023	10:35			TUN-001xxx	EU.MLT.020xxx	Standard	Caging	Yes	Yes
3	23/06/2023	13:05			EU.MLT.014xxx	EU.MLT.021xxx	Standard	Caging	Yes	Yes
4	28/06/2023	13:50			EU.MLT.008xxx	EU.MLT.014xxx	Standard	Caging	Yes	Yes
5	30/06/2023	10:56			EU.MLT.006xxx	EU.MLT.008xxx	Standard	Caging	Yes	Yes
6	01/07/2023	11:15			TUN-012xxx	EU.MLT.006xxx	Standard	Caging	Yes	Yes
7	07/06/2023	15:15			EU.MLT.003xxx	EU.MLT.022xxx	Standard	Caging	Yes	Yes
8	07/07/2023	16:09			EU.MLT.012xxx	EU.MLT.019xxx	Standard	Caging	Yes	Yes
9	07/11/2023	11:30			EU.ITA-001-xxx	EU.MLT.003xxx	Standard	Caging	Yes	Yes
10	13/07/2023	12:00			TUN-008xxx	EU.MLT-023xxx	Standard	Caging	Yes	Yes
11	14/07/2023	16:00			EU.MLT-010xxx	EU.MLT-012xxx	Standard	Caging	Yes	Yes
12	15/07/2023	11:18			TUN-013xxx	EU.MLT-010xxx	Standard	Caging	Yes	Yes
13	16/07/2023	11:00			EU.MLT-007xxx	EU.MLT-025xxx	Standard	Caging	Yes	Yes
14	18/07/2023	12:25			EU.MLT-017xxx	EU.MLT-026xxx	Standard	Caging	Yes	Yes
15	20/07/2023	11:35			EU.MLT-004xxx	EU.MLT-017xxx	Standard	Caging	Yes	Yes
16	21/07/2023	11:40			EU.ITA-002-FAV-F	EU.MLT-024xxx	Standard	Caging	Yes	Yes
17	22/07/2023	12:00			EU.MLT-005xxx	EU.MLT-004xxx	Standard	Caging	Yes	Yes
18	29/07/2023	12:37			TUN-003xxx	EU.MLT-005xxx	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
NA								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	296	25170	2173	N/A
1	0	Alive	1680	142830	2173	N/A
2	0	Alive	376	34261	2748	N/A
2	0	Alive	2124	193739	2748	N/A
3	0	Alive	225	31834	1510	N/A
3	0	Alive	1278	180541	1510	N/A
4	0	Alive	192	20957	1380	N/A
4	0	Alive	1088	119043	1380	N/A
5	0	Alive	415	37375	2721	N/A
5	0	Alive	2351	211625	2721	N/A
6	0	Alive	225	27716	1602	N/A
6	0	Alive	1276	157284	1602	N/A
7	0	Alive	2800	115000	2899	N/A

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
8	0	Alive	1501	177336	1589	N/A
9	0	Alive	1480	199547	1522	N/A
10	0	Alive	118	15081	1479	N/A
10	0	Alive	646	82718	1479	N/A
10	0	Alive	666	85201	1479	N/A
11	0	Alive	2900	250000	2941	N/A
12	0	Alive	1811	138000	1794	N/A
13	0	Alive	1255	189500	1261	N/A
14	0	Alive	1179	76286	2894	N/A
14	0	Alive	1571	101714	2894	N/A
15	0	Alive	1750	201000	1919	N/A
16	0	Alive	1121	169000	1225	N/A
17	0	Alive	2500	180000	2723	N/A
18	0	Alive	1786	205000	1854	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MA23900016-CG01	MLT-2023-AUT-CG-016	296	25170
	TN23900005-TR01-CG01	MLT-2023-AUT-CG-016	1680	142830
2	MA23900016-CG02	MLT-2023-AUT-CG-017	376	34261
	TN23900005-TR01-CG02	MLT-2023-AUT-CG-017	2124	193739
3	MA23900016-CG03	MLT-2023-AUT-CG-034	225	31834
	TN23900005-TR01-CG03	MLT-2023-AUT-CG-034	1278	180541
4	MA23900378-CG01	MLT-2023-AUT-CG-043	192	20957
	TN23900012-TR01-CG01	MLT-2023-AUT-CG-043	1088	119043
5	MA23900129-CG01	MLT-2023-AUT-CG-039	415	37375
	TN23900010-TR01-CG01	MLT-2023-AUT-CG-039	2351	211625
6	MA23900129-CG02	MLT-2023-AUT-CG-040	225	27716
	TN23900010-TR01-CG02	MLT-2023-AUT-CG-040	1276	157284
7	DZ23900006-TR01-CG01	MLT-2023-AUT-CG-069	2800	115000
8	DZ23900006-TR01-CG02	MLT-2023-AUT-CG-070	1501	177336
9	MT23900415-G-CG01	MLT-2023-AUT-CG-078	1480	199547
10	MA23900378-CG02	MLT-2023-AUT-CG-044	118	15081
	MT23900411-G-CG01	MLT-2023-AUT-CG-044	646	82718
	TN23900012-TR01-CG02	MLT-2023-AUT-CG-044	666	85201
11	DZ23900015-LT01	MLT-2023-AUT-CG-079	2900	250000
12	DZ23900010-LT01-CG01	MLT-2023-AUT-CG-083	1811	138000
13	DZ23900010-LT01-CG02	MLT-2023-AUT-CG-084	1255	189500
14	DZ23900014-LT01-CG01	MLT-2023-AUT-CG-081	1179	76286
	DZ23900016-LT01-CG01	MLT-2023-AUT-CG-081	1571	101714
15	DZ23900016-LT01-CG02	MLT-2023-AUT-CG-080	1750	201000

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
16	MT23900420-G	MLT-2023-AUT-CG-092	1121	169000
17	DZ23900011-LT01-TR01	MLT-2023-AUT-CG-082	2500	180000
18	MT23900422-G	MLT-2023-AUT-CG-091	1786	205000

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
10	MA23900073	MT23900411-G-CG01	11020,002
	TN23900007	MT23900411-G-CG01	6248,001
16	MA23900420-G	ES23901485	169000
		IT23901045	
		CY23900040	
18	MT23900422-G	TN23900021	104630,837
		MA23900500	18476,027

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers****
1	0	Yes	4	Yes	Yes	0526962 – 0526963 – 0526964 – 0526965 – 0526966 - 0526967

2	0	Yes	4	Yes	Yes	0526896 - 0526897 - 0526898 - 0526899 - 0526883 - 0526900
3	0	Yes	5	Yes	Yes	0526701 - 0526702 - 0526703 - 0526704 - 0526705 - 0526706
4	0	Yes	4	Yes	Yes	0526951 - 0526952 - 0526953 - 0526954 - 0526955 - 0526956
5	0	Yes	4	Yes	Yes	0526638 - 0526639 - 0526640 - 0526642 - 0526643 - 0526644
6	0	Yes	4	Yes	Yes	0526601 - 0526621 - 0526622 - 0526623 - 0526624 - 0526625
7	0	Yes	3	Yes	Yes	0526816 - 0526817 - 0526818 - 0526819 - 0526844 - 0526845
8	0	Yes	4	Yes	Yes	0526806 - 0526807 - 0526808 - 0526809 - 0526810 - 0526836
9	0	Yes	3	Yes	Yes	0526972 - 0526786 - 0526787 - 0526788 - 0526789 - 0526790
10	0	Yes	5	Yes	Yes	0526555 - 0526556 - 0526557 - 0526558 - 0526559 - 0526560
11	0	Yes	5	Yes	Yes	0526564 - 0526565 - 0526567 - 0526568 - 0526569 - 0526570
12	0	Yes	5	Yes	Yes	0526586 - 0526587 - 0526588 - 0526598 - 0526599 - 0526600
13	0	Yes	5	Yes	Yes	0526725 - 0526726 - 0526727 - 0526728 - 0526729 - 0526730
14	0	Yes	5	Yes	Yes	0526775 - 0526771 - 0526772 - 0526778 - 0526779 - 0526780
15	0	Yes	5	Yes	Yes	0526751 - 0526994 - 0526785 - 0526740 - 0526754 - 0526739

16	0	Yes	5	Yes	Yes	0526987 – 0526957 – 0526970 – 0526995 – 0526710 - 0526582
17	0	Yes	5	Yes	Yes	0527355 – 0527356 – 0527357 – 0527358 – 0527359- 0527360
18	0	Yes	5	Yes	Yes	0527416 – 0527417 – 0527418 – 0527419 – 0527420 - 0527431

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

**** Administrative seals codes.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	MLT-23-2023-REL-008	18/08/2023	08:53	EU.MLT-004xxx	EU.MLT-027xxx		
2	2	MLT-23-2023-REL-009	22/08/2023	09:25	EU.MLT-022xxx	EU.MLT-027xxx		
3	3	MLT-23-2023-REL-009	24/08/2023	09:07	EU.MLT-026xxx	EU.MLT-027xxx		
4	4	MLT-23-2023-REL-010	26/08/2023	09:42	EU.MLT-003xxx	EU.MLT-027xxx		
5	5	MLT-23-2023-REL-009	02/09/2023	09:06	EU.MLT-012xxx	EU.MLT-027xxx		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	4	Yes	1856	127390,272	DZ23900011-LT01-TR01	2003
2	Yes	5	Yes	1800	77589	DZ23900006-TR01-CG01	1913
3	Yes	3	Yes	1300	93392	DZ23900014-LT01-CG01/DZ23900016-LT01-CG01	1384
4	Yes	4	Yes	483	62259,183	MT23900415-G-CG01	501
5	Yes	4	Yes	1024	81831,936	DZ23900015-LT01	1088

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1	caging	19/08/2023	08:06			EU.MLT-027xxx	Yes	Yes	Yes	Yes
2	caging	23/08/2023	09:24			EU.MLT-027xxx	Yes	Yes	Yes	Yes
3	caging	25/08/2023	00:00			EU.MLT-027xxx	Yes	Yes	Yes	Yes
4	caging	27/08/2023	08:18			EU.MLT-027xxx	Yes	Yes	Yes	Yes
5	caging	03/09/2023	08:18			EU.MLT-027xxx	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	21/06/2023	EU.MLT.021xxx	EU.MLT.018xxx	MLT-2023-AUT-CG-016 (RE-CAGING)

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	1976	168000	MA23900016-CG01, TN2390005-TR01-CG01	Yes	2173

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

SITE 1

SITE 2

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
NA						

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0769</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Portugal
Farm Operating Company	
Observer Name	Casandra Viñuela
Observer ICCAT ID No	794
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	17/06/2023		Ohlão, Portugal
Date of mobilisation	16/06/2023		
Arrival to port / farm	17/06/2023		Tavira, Portugal
Request dates	18/06/2023	07/07/2023	
Deployment period	18/06/2023	07/07/2023	
Departure from port / farm	07/07/2023		Tavira, Portugal
Return home	09/07/2023		
Debriefing	08/07/2023		Tavira, Portugal

The deployment was ended earlier than the request date of 12/07 following communications from the farm that they had completed operations.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
PRT905	0	0	N/A
PRT906	0	0	N/A

Information on the farm contents was provided by the farm manager.

The cages were empty on arrival.

No cage plan was provided.

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	EUR-2023-AUT/002/CGD/FAR.PRT11		

* Caging operation number: Unique identification field linked to the deployment data set
The caging authorisation did not include any estimate on number and weight.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Trap Name	Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	22/06/2023	10:47			N/A	PRT905	Trap	Caging	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

A control operation was carried out as the stereoscopic footage was not of sufficient. The standard video footage was of adequate quality and permitted an estimate of the amount of tuna caged.

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
1	1	After	30/06/2023	10:03	PRT905	PRT906	Yes	Yes

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	1	Alive	980	96127.22	988	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	PT23900556	EUR-2023- AUT_002_CGD_FAR.PRT11	980	96127.22

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A
1	1	Yes	4	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Following the initial caging operation, a sealing operation was performed on 28/06. The seals were provided by national authorities, and were: ANP03600G, ANP03599G, ANP03598G, ANP03597G, ANP03596G, 0007710

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter-farm transfers observed during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations observed during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations observed during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations observed during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no PNCs observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

No farm plan was provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Portugal		Farm	No	
		EU.Portugal		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2022-2023



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0770</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	GIOVANNI ELLUL
Observer Name	
Observer ICCAT ID No	735
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	12/06/2023		Split, Croatia
Date of mobilisation	11/06/2023		
Arrival to port / farm	12/06/2023		Marsaxlokk, Malta
Request dates	13/06/2023	11/09/2023	
Deployment period	13/06/2023	11/09/2023	
Departure from port / farm	12/09/2023		Marsaxlokk, Malta
Return home	13/09/2023		
Debriefing	13/09/2023		Split, Croatia

The observer was also deployed on the farm XXX ATEU1MLT00004 during the deployment period, monitoring operations on both farms. These are considered as neighbouring farms operating jointly as authorized by the farm CPC in line with Para 104 of the Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.007.XXX	0	0	0
EU.MLT.008.XXX	0	0	0
EU.MLT.009.XXX	0	0	0
EU.MLT.010.XXX	0	0	0
EU.MLT.011.XXX	0	0	0

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1:

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MLT-2023-AUT-CG-001	1661	165000
2	MLT-2023-AUT-CG-002	922	105600
3	MLT-2023-AUT-CG-004	1230	99290
4	MLT-2023-AUT-CG-003	1362	134400

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	14/06/2023	11:52			EU.MLT.039.XXX	EU.MLT.008.XXX	Standard	Caging	Yes	Yes
2	19/06/2023	10:33			EU.MLT.051.XXX	EU.MLT.010.XXX	Standard	Caging	Yes	Yes
3	20/06/2023	10:23			EU.MLT.032.XXX	EU.MLT.009.XXX	Standard	Caging	Yes	Yes
4	22/06/2023	12:17			EU.MLT.048.XXX	EU.MLT.007.XXX	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1609	173000	1624	
2		Alive	970	105600	965	
3		Alive	1270	99290	1249	
4		Alive	1160	132000	1141	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was unable to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MT23900393-G-CG01	1	1609	173000
2	FR23900903	2	149	12000
2	FR23900921-CG01	2	821	93600

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
3	FR23900936-CG01	3	1270	99290
4	FR23900921-CG02	4	1160	132000

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	MT23900393-G-CG01	FR23900848	68200
1	MT23900393-G-CG01	FR23900895	96800

* Caging operation as per Table 3.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	5	Yes	No	
2		Yes	5	Yes	No	
3		Yes	5	Yes	No	
4		Yes	5	Yes	No	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 9.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage reference	Transport cage reference	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	2023/001	20/07/2023	13:02	EU.MLT.010.XXX	RUN 004	Hispania Uno	ATEU0MLT00156

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	2	Yes	424	56764.527	FR23900895; FR23900848; FR23900903; FR23900921-CG01; FR23900921-CG02; FR23900936	436

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Cage reference	Operation monitored by observer (Yes / No)	Release recorded by Video camera (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
1	Caging	21/07/2023	11:28	Hispania Uno	ATEU0MLT00156	RUN 004	Yes	Yes	MLT-23-2023-REL-004	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for intra-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate		
	# (n)	Wt (kg)	eBCD / (s)	Estimate of amount transferred based on video possible (Yes / No)	# (n)	Wt (kg)
N/A						

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel	
						Name	ICCAT #
N/A							

** Bulk or for Fresh Export or Incidental/Natural Mortality
There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 3, Inter-farm transfer as per table 9, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tag recoveries during the deployment period

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Italy		Towing	No	
		EU.Malta		Farm	No	
		EU.Malta		Towing	No	
		EU.Italy		Towing	No	
		Libya		Farm	No	
		EU.Italy		Towing	No	
		EU.Malta		Towing	No	
		EU.Italy		Towing	No	
		Libya		Towing	No	
		EU.Malta		Towing	No	
		EU.Malta		Towing	No	
		EU.Malta		Towing	No	
		EU.Malta		Towing	No	
		EU.Malta		Farm	No	
		EU.Italy		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0771</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	EREN YESİL
Observer ICCAT ID No	447
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	12/06/2023		Video conference
Date of mobilisation	11/06/2023		
Arrival to port / farm	12/06/2023		Izmir-Urla, Türkiye
Request dates	13/06/2023	06/07/2023	
Deployment period	13/06/2023	06/07/2023	
Departure from port / farm	07/07/2023		Izmir-Urla, Türkiye
Return home	08/07/2023		
Debriefing	11/07/2023		Ankara, Türkiye

The observer was jointly deployed on the farms xxx and xxx in accordance with Para 104 of Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-132	819	134120	TR22900106

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/190	1550	177747
2	TUR-2023/AUT/198	1353	129855
3	TUR-2023/AUT/199	1035	144000

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes/No)
	Date	Time								
1	16/06/2023	10:50			TUR-XXX-2023-005	TUR-AKU-2023-135	Standard	Caging	Yes	Yes
2	21/06/2023	11:20			TUR-XXX-2023-001	TUR-AKU-2023-131	Standard	Caging	Yes	Yes
3	21/06/2023	14:20			TUR-XXX-2023-002	TUR-XXX-2023-132	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1550	177747	1610	
2		Alive	1353	129855	1398	
3		Alive	1035	144000	1075	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900044	TUR-2023/AUT/190	1550	177747
2	TR23900111-G	TUR-2023/AUT/198	1353	129855
3	TR23900114-G	TUR-2023/AUT/199	1035	144000

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
2	TR23900111-G	TR23900009	58000
2	TR23900111-G	TR23900010	7000
2	TR23900111-G	TR23900015	16000
2	TR23900111-G	TR23900029	19960
2	TR23900111-G	TR23900032	28895
3	TR23900114-G	TR23900021	60000
3	TR23900114-G	TR23900028	48000
3	TR23900114-G	TR23900036	32000
3	TR23900114-G	TR23900039	4000

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	AT00TUR00357-AT00TUR00358-AT00TUR00359-AT00TUR00360
2		Yes	1	Yes	Yes	AT00TUR00373-AT00TUR00374-AT00TUR00375-AT00TUR00376
3		Yes	2	Yes	Yes	AT00TUR00377-AT00TUR00388-AT00TUR00379-AT00TUR00380

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The cage seals were provided by the national authorities and placed at the end of the caging video.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest segregation operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan
Farm plan provided by the operator

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0771</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	EREN YESIL
Observer ICCAT ID No	447
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	12/06/2023		Video conference
Date of mobilisation	11/06/2023		
Arrival to port / farm	12/06/2023		Izmir-Urla, Türkiye
Request dates	13/06/2023	06/07/2023	
Deployment period	13/06/2023	06/07/2023	
Departure from port / farm	07/07/2023		Izmir-Urla, Türkiye
Return home	08/07/2023		
Debriefing	11/07/2023		Ankara, Türkiye

The observer was jointly deployed on the farms xxx and xxx in accordance with Para 104 of Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-042	846	67516	TR22900112-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/197	2498	366195

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	20/06/2023	10:30			TUR-XXX-2023-005	TUR-XXX-2023-055	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	2498	366195	2557	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900110-G	TUR-2023/AUT/197	2498	366195

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	TR23900110-G	MA23900013	149465.416
1	TR23900110-G	MA23900014	124362.7
1	TR23900110-G	TR23900030	50534.584
1	TR23900110-G	TR23900034	41832.3

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	2	Yes	Yes	

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest segregation operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0772</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Nuno Alexandre Figueiredo Carrilho
Observer ICCAT ID No	227
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	15/06/2023		Lisbon, Portugal
Date of mobilisation	13/06/2023		
Arrival to port / farm	16/06/2023		St. Paul's Bay, Malta
Request dates	17/06/2023	10/08/2023	
Deployment period	17/06/2023	10/08/2023	
Departure from port / farm	11/08/2023		St. Paul's Bay, Malta
Return home	11/08/2023		
Debriefing	11/08/2023		Valencia, Spain

The observer was also deployed on the farm Malta Mariculture Ltd (ATEU1MLT00002).

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
N/A			

There were no tuna at the farm on arrival.

Information on the farm contents was provided by the farm manager.

Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MLT-2023-AUT-CG-067	1094	101270
2	MLT-2023-AUT-CG-065	1007	148156
3	MLT-2023-AUT-CG-036	1068	133610
4	MLT-2023-AUT-CG-033	931	150000
5	MLT-2023-AUT-CG-035	1129	141170
6	MLT-2023-AUT-CG-037	1182	146920
7	MLT-2023-AUT-CG-066	1004	61446
8	MLT-2023-AUT-CG-064	1038	152781
9	MLT-2023-AUT-CG-041	728	123400
10	MLT-2023-AUT-CG-038	1180	146760
11	MLT-2023-AUT-CG-042	729	123480
12	MLT-2023-AUT-CG-032	930	149920

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	13/07/2023	10:58			EU.MLT.037.XXX	EU.MLT.015.XXX	Standard	Caging	Yes	Yes
2	13/07/2023	12:45			EU.MLT.026.XXX	EU.MLT.013.XXX	Standard	Caging	Yes	Yes
3	18/07/2023	09:57			EU.MLT.028.XXX	EU.MLT.014.XXX	Standard	Caging	Yes	Yes
4	18/07/2023	11:23			EU.MLT.034.XXX	EU.MLT.003.XXX	Standard	Caging	Yes	Yes
5	19/07/2023	09:15			EU.MLT.035.XXX	EU.MLT.001.XXX	Standard	Caging	Yes	Yes
6	20/07/2023	10:23			EU.MLT.032.XXX	EU.MLT.004.XXX	Standard	Caging	Yes	Yes
7	20/07/2023	11:55			EU.MLT.033.XXX	EU.MLT.017.XXX	Standard	Caging	Yes	Yes
8	21/07/2023	10:29			EU.MLT.025.XXX	EU.MLT.005.XXX	Standard	Caging	Yes	Yes
9	21/07/2023	12:12			EU.MLT.030.XXX	EU.MLT.002.XXX	Standard	Caging	Yes	Yes
10	21/07/2023	14:01			EU.MLT.031.XXX	EU.MLT.016.XXX	Standard	Caging	Yes	Yes
11	24/07/2023	11:21			EU.MLT.027.XXX	EU.MLT.006.XXX	Standard	Caging	Yes	Yes
12	24/07/2023	13:05			EU.MLT.036.XXX	EU.MLT.018.XXX	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control cagings during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1080	156600	1070	
1		Dead	0	0	0	0
2		Alive	897	87471.852	841	
2		Dead	0	0	0	0
3		Alive	1073	173826	1069	
3		Dead	0	0	0	0
4		Alive	1143	137160	1136	
4		Dead	0	0	0	0
5		Alive	986	102150	985	
5		Dead	0	0	0	0
6		Alive	1315	88845	1329	
6		Dead	0	0	0	0
7		Alive	1384	96880	1368	
7		Dead	0	0	0	0
8		Alive	1065	152295	1061	
8		Dead	0	0	0	0
9		Alive	993	161859	978	
9		Dead	0	0	0	0
10		Alive	964	132068	979	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
10		Dead	0	0	0	0
11		Alive	882	69378	876	
11		Dead	0	0	0	0
12		Alive	1026	169290	1003	
12		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	FR23900874-CG01	MLT-2023-AUT-CG-067	393	56985
1	FR23900891-CG01	MLT-2023-AUT-CG-067	687	99615
2	FR23900874-CG02	MLT-2023-AUT-CG-065	897	87471.852
3	FR23900799-TR01-CG01	MLT-2023-AUT-CG-036	1073	173826
4	FR23900798-CG01	MLT-2023-AUT-CG-033	1143	137160
5	FR23900799-TR01-CG02	MLT-2023-AUT-CG-035	986	102150
6	FR23900824-CG01	MLT-2023-AUT-CG-037	1315	88845
7	FR23900891-CG02	MLT-2023-AUT-CG-066	1384	96880
8	FR23900874-CG03	MLT-2023-AUT-CG-064	1065	152295
9	FR23900838-CG01	MLT-2023-AUT-CG-041	993	161859
10	FR23900824-CG02	MLT-2023-AUT-CG-038	964	132068

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
11	FR23900838-CG02	MLT-2023-AUT-CG-042	882	69378
12	FR23900798-CG02	MLT-2023-AUT-CG-032	1026	169290

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

There were no group eBCDs produced during the deployment period.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	Yes	Farm state seals
2		Yes	2	Yes	Yes	Farm state seals
3		Yes	4	Yes	Yes	Farm state seals
4		Yes	4	Yes	Yes	Farm state seals
5		Yes	4	Yes	Yes	Farm state seals
6		Yes	3	Yes	Yes	Farm state seals
7		Yes	3	Yes	Yes	Farm state seals
8		Yes	4	Yes	Yes	Farm state seals
9		Yes	3	Yes	Yes	Farm state seals

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
10		Yes	2	Yes	Yes	Farm state seals
11		Yes	2	Yes	Yes	Farm state seals
12		Yes	2	Yes	Yes	Farm state seals

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Cages were sealed following each operation using farm state authority seals. No ICCAT cage seals were requested nor provided during the deployment period.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	N/A
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Italy		Towing	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Malta		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0772</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Nuno Alexandre Figueiredo Carrilho
Observer ICCAT ID No	227
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	15/06/2023		Lisbon, Portugal
Date of mobilisation	13/06/2023		
Arrival to port / farm	16/06/2023		St. Paul's Bay, Malta
Request dates	17/06/2023	10/08/2023	
Deployment period	17/06/2023	10/08/2023	
Departure from port / farm	11/08/2023		St. Paul's Bay, Malta
Return home	11/08/2023		
Debriefing	11/08/2023		Valencia, Spain

The observer was also deployed on the farm AJD Tuna Ltd (ATEU1MLT00001).

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EU.MLT.007.XXX	864	49690.102	IT22900957-LT01-CG01-MC01-HA01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MLT-2023-AUT-CG-014	1297	161305
2	MLT-2023-AUT-CG-005	780	88000
3	MLT-2023-AUT-CG-012	1099	114493
4	MLT-2023-AUT-CG-015	1145	142257
5	MLT-2023-AUT-CG-006	1079	109950
6	MLT-2023-AUT-CG-010	1002	75959
7	MLT-2023-AUT-CG-009	715	54191
8	MLT-2023-AUT-CG-011	1624	169382
9	MLT-2023-AUT-CG-013	854	106098
10	MLT-2023-AUT-CG-008	805	113231
11	MLT-2023-AUT-CG-007	572	76619

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	19/06/2023	09:42			EU.MLT.046.XXX	EU.MLT.010.XXX	Standard	Caging	Yes	Yes
2	19/06/2023	11:22			EU.MLT.043.XXX	EU.MLT.008.XXX	Standard	Caging	Yes	Yes

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
3	20/06/2023	09:57			EU.MLT.039.XXX	EU.MLT.023.XXX	Standard	Caging	Yes	Yes
4	20/06/2023	11:29			EU.MLT.044.XXX	EU.MLT.012.XXX	Standard	Caging	Yes	Yes
5	21/06/2023	08:36			EU.MLT.042.XXX	EU.MLT.011.XXX	Standard	Caging	Yes	Yes
6	22/06/2023	08:39			EU.MLT.048.XXX	EU.MLT.024.XXX	Standard	Caging	Yes	Yes
7	22/06/2023	10:40			EU.MLT.047.XXX	EU.MLT.022.XXX	Standard	Caging	Yes	Yes
8	23/06/2023	09:25			EU.MLT.038.XXX	EU.MLT.009.XXX	Standard	Caging	Yes	Yes
9	23/06/2023	11:17			EU.MLT.041.XXX	EU.MLT.021.XXX	Standard	Caging	Yes	Yes
10	26/06/2023	09:52			EU.MLT.045.XXX	EU.MLT.019.XXX	Standard	Caging	Yes	Yes
11	26/06/2023	11:10			EU.MLT.049.XXX	EU.MLT.020.XXX	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control cagings during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1245	184260	1211	
1		Dead	0	0	0	0
2		Alive	757	98410	748	
2		Dead	0	0	0	0
3		Alive	1070	142310	1073	
3		Dead	0	0	0	0
4		Alive	1148	146944	1152	
4		Dead	0	0	0	0
5		Alive	1142	109632	1145	
5		Dead	0	0	0	0
6		Alive	938	123816	955	
6		Dead	0	0	0	0
7		Alive	920	82800	939	
7		Dead	0	0	1	135
8		Alive	1856	163328	1947	
8		Dead	0	0	0	0
9		Alive	1586	168116	1550	
9		Dead	0	0	0	0
10		Alive	811	113540	805	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
10		Dead	0	0	0	0
11		Alive	669	84294	672	
11		Dead	0	0	0	0

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

The dead tuna observed in operation 7 was not recorded by the farm in neither the ICD nor the eBCD. The farm recorded this in section 7 (harvesting information) of the corresponding eBCD (IT23900980-CG03-HA01).

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	IT23900734-LT01-CG03	MLT-2023-AUT-CG-014	1245	184260
2	MT23900388-G-CG01	MLT-2023-AUT-CG-005	757	98410
3	IT23900735-LT01-CG01	MLT-2023-AUT-CG-012	1070	142310
4	IT23900734-LT01-CG04	MLT-2023-AUT-CG-015	1148	146944
5	IT23900929-LT01-CG01	MLT-2023-AUT-CG-006	1142	109632
6	IT23900980-CG04	MLT-2023-AUT-CG-010	938	123816
7	IT23900980-CG03	MLT-2023-AUT-CG-009	920	82800
8	IT23900735-LT01-CG02	MLT-2023-AUT-CG-011	1856	163328
9	IT23900734-LT01-CG05	MLT-2023-AUT-CG-013	1586	168116
10	IT23900882-LT01-CG01	MLT-2023-AUT-CG-008	811	113540
11	IT23900882-LT01-CG02	MLT-2023-AUT-CG-007	669	84294

* Caging operations as per Table 2.

The eBCDs and ICDs for operations 1 to 7 were amended following the observer's signature once the results from the review of the stereoscopic video were available. These amended eBCDs and ICDs were signed again by the observer. In some cases the eBCD number was also changed.

COP1 eBCD was changed from IT23900734-LT01-CG01 to IT23900734-LT01-CG03

COP2 eBCD was changed from MT23900368-G-CG01 to MT23900388-G-CG01

COP4 eBCD was changed from IT23900734-LT01-CG02 to IT23900734-LT01-CG04

COP6 eBCD was changed from IT23900980-CG01 to IT23900980-CG04

COP7 eBCD was changed from IT23900980-CG02 to IT23900980-CG03

The eBCDs for operations 3 and 5 were amended but the number remained the same.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
2	MT23900388-G-CG01	IT23900801	58000
2	MT23900388-G-CG01	IT23900883	30000

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	Yes	Farm state seals
2		Yes	4	Yes	Yes	Farm state seals
3		Yes	4	Yes	Yes	Farm state seals
4		Yes	3	Yes	Yes	Farm state seals
5		Yes	4	Yes	Yes	Farm state seals
6		Yes	4	Yes	Yes	Farm state seals
7		Yes	4	Yes	Yes	Farm state seals

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
8		Yes	3	Yes	Yes	Farm state seals
9		Yes	3	Yes	Yes	Farm state seals
10		Yes	4	Yes	Yes	Farm state seals
11		Yes	4	Yes	Yes	Farm state seals

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Cages were sealed following each operation using farm state authority seals. No ICCAT cage seals were requested nor provided during the deployment period.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
 There were no inter farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	ITA-xxx-2023-002	10/07/2023	07:41	EU.MLT.009.XXX	EU.MLT.045.XXX		
2	2	ITA-xxx-2023-001	11/07/2023	12:17	EU.MLT.021.XXX	EU.MLT.045.XXX		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Each prior to release segregation operation was followed by 2 intra farm transfers whereby excess fish were returned to the corresponding farm cage.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	3	Yes	1211	104392.56	IT23900735-LT01-CG02	1211
2	Yes	3	Yes	690	751951.862	IT23900734-LT01-CG05	684

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The farm and the observer estimate was based on the total amount transferred during the initial prior to release segregation, minus the amount returned to the farm cage following the subsequent intra-farm transfer operations.

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
1	caging	11/07/2023	08:05			EU.MLT.045.XXX	Yes	Yes	MLT-23-2023-REL-002	Yes
2	caging	12/07/2023	08:15			EU.MLT.045.XXX	Yes	Yes	MLT-23-2023-REL-003	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	10/07/2023	EU.MLT.045.XXX	EU.MLT.009.XXX	ITA-xxx-2023-002
2	10/07/2023	EU.MLT.045.XXX	EU.MLT.009.XXX	ITA-xxx-2023-002
3	11/07/2023	EU.MLT.045.XXX	EU.MLT.021.XXX	ITA-xxx-2023-001
4	11/07/2023	EU.MLT.045.XXX	EU.MLT.021.XXX	ITA-xxx-2023-001

* Operation number: Unique identification field linked to the deployment data set.

The operations were following prior to release segregation operations. These were to return excess tuna back to the farm.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1				Yes	729
2				Yes	30
3				Yes	815
4				Yes	70

* Intra farm transfer operations as per Table 16.

The farm provided no official estimate of the amount of tuna transferred, nor the corresponding eBCD numbers.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	23/06/2023	Incidental / Natural Mortality	EU.MLT.022.XXX	No	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

The harvested fish was an incidental mortality which occurred following caging operation 7.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	1	135	1	135

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	Null	IT23900980-CG03-HA01	1	135	No	No	No

* Harvest operation as per Table 18.

The eBCD was signed by national authorities as this was considered a natural mortality.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	COP7
Electronic BFT Catch document (eBCD) incomplete following caging - CBDA	X
Observer records of caging operation do not agree with those in the caging declaration (dead tuna) - CBDD	X

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

Following caging operation 7 performed on 23/06, a mortality occurred. This mortality was not recorded in the eBCD (IT23900980-CG02) nor the ICD (MLT-2023-AUT-CG-009) in accordance with Annex 11 of Rec. 22-08 which requires that fish that die during caging operations shall be reported by the operator on the caging declaration and that the farm CPC competent authority shall ensure that the number and weight of the fish that die is reported in the relevant field of Section 6 of the eBCD.

This is in potential non-compliance with Rec. 22-08; Para 167 and Annex 11 / Annex 12.

As the rest of the operation was compliant, including a compliant video record, and the observer's estimate was within 10% of the farm's, the observer signed both the ICD and eBCD.

The dead tuna was recorded as a natural mortality in the harvest section of the eBCD IT23900980-CG03-HA01

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	1	1	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Malta		Support	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Malta		Towing	No	N/A
		EU.Malta		Towing	No	N/A
		EU.Malta		Support	No	N/A
		EU.Italy		Towing	No	N/A
		EU.Italy		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0773</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	RÜSTEM YESIL
Observer ICCAT ID No	654
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	25/06/2023		Video-conference
Date of mobilisation	25/06/2023		
Arrival to port / farm	26/06/2023		Izmir-Urla, Türkiye
Request dates	27/06/2023	05/07/2023	
Deployment period	27/06/2023	05/07/2023	
Departure from port / farm	05/07/2023		Izmir-Urla, Türkiye
Return home	06/07/2023		
Debriefing	10/07/2023		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-001	1365	132299	TR22900114-G
TUR-XXX-2022-002	2378	220908	TR22900118-G
TUR-XXX-2022-003	2506	230497	TR22900117-G
TUR-XXX-2022-007	1498	135401	TR22900113-G

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/205	1455	138700
2	TUR-2023/AUT/207	1460	117175
3	TUR-2023/AUT/208	1080	98500
4	TUR-2023/AUT/209	1280	100980
5	TUR-2023/AUT/210	1390	109350

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	30/06/2023	11:20			TUR-XXX-2023-003	TUR-XXX-2023-001	Standard	Caging	Yes	Yes
2	01/07/2023	10:10			TUR-XXX-2023-002	TUR-XXX-2023-003	Standard	Caging	Yes	Yes
3	01/07/2023	12:10			TUR-XXX-2023-004	TUR-XXX-2023-003	Standard	Caging	Yes	Yes
4	02/07/2023	10:20			TUR-XXX-2023-005	TUR-XXX-2023-002	Standard	Caging	Yes	Yes
5	02/07/2023	12:40			TUR-XXX-2023-006	TUR-XXX-2023-004	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1455	138700	1365	
2		Alive	1460	117175	1387	
3		Alive	1080	98500	1046	
4		Alive	1280	100980	1358	
5		Alive	1390	109350	1349	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900117-G	TUR-2023/AUT/205	1455	138700
2	TR23900118-G	TUR-2023/AUT/207	1460	117175

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
3	TR23900118-G	TUR-2023/AUT/208	1080	98500
4	TR23900119-G	TUR-2023/AUT/209	1280	100980
5	TR23900120-G	TUR-2023/AUT/210	1390	109350

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	TR23900117-G	TR23900046	43000
1	TR23900117-G	TR23900047	13500
1	TR23900117-G	TR23900052	54000
1	TR23900117-G	TR23900055	19800
1	TR23900117-G	TR23900061	8400
2	TR23900118-G	TR23900041	19200
2	TR23900118-G	TR23900042	11275
2	TR23900118-G	TR23900056	10200
2	TR23900118-G	TR23900058	76500
3	TR23900118-G	TR23900053	37500
3	TR23900118-G	TR23900060	18000
3	TR23900118-G	TR23900063	23000
3	TR23900118-G	TR23900066	20000
4	TR23900119-G	TR23900069	12600

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
4	TR23900119-G	TR23900074	88380
5	TR23900120-G	TR23900071	48000
5	TR23900120-G	TR23900072	33600
5	TR23900120-G	TR23900073	27750

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	Yes	AT00TUR00253- AT00TUR00254- AT00TUR00255- AT00TUR00256
2		Yes	3	Yes	Yes	AT000TUR261- AT000TUR262- AT000TUR263- AT000TUR264
3		Yes	3	Yes	Yes	AT00TUR261- AT00TUR262- AT00TUR263- AT00TUR264
4		Yes	2	Yes	Yes	AT00TUR265- AT00TUR266- AT00TUR267- AT00TUR268
5		Yes	3	Yes	Yes	AT00TUR269- AT00TUR270- AT00TUR271- AT00TUR272

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no PNCs observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001TR0774</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	Saffet AKBULUT
Observer ICCAT ID No	154
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	25/06/2023		Ankara, Türkiye
Date of mobilisation	26/06/2023		
Arrival to port / farm	26/06/2023		Sığacık-Izmir, Türkiye
Request dates	27/06/2023	04/07/2023	
Deployment period	27/06/2023	04/07/2023	
Departure from port / farm	05/07/2023		Sığacık-Izmir, Türkiye
Return home	05/07/2023		
Debriefing	09/07/2023		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2021-022	205	32740.82	TR21900082
TUR-XXX-2022-001	395	33500.21	TR22900036-CG-01
TUR-XXX-2022-001	357	31656.58	TR22900078
TUR-XXX-2022-005	526	46507.39	TR22900016-CG01
TUR-XXX-2022-005	84	8060.15	TR22900050
TUR-XXX-2022-005	444	39227.81	TR22900058
TUR-XXX-2022-022	273	40453.65	TR21900096
TUR-XXX-2022-022	175	24386.52	TR21900106
TUR-XXX-2022-022	147	20803.7	TR21900107

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/203	2636	263708
2	TUR-2023/AUT/204	1554	140970
3	TUR-2023/AUT/206	1527	184270

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel Name	Towing Vessel ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	27/06/2023	15:15			TUR-XXX-2023-002	TUR-XXX-2023-004	Standard	Caging	Yes	Yes
2	29/06/2023	14:30			TUR-XXX-2023-001	TUR-XXX-2023-002	Standard	Caging	Yes	Yes
3	30/06/2023	13:55			TUR-XXX-2023-003	TUR-XXX-2023-001	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	2636	263708	2610	
2		Alive	1554	140970	1601	
3		Alive	1527	184270	1597	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900027	2023-01	232	41760
1	TR23900037	2023-01	330	16499
1	TR23900040	2023-01	135	27000
1	TR23900087	2023-01	304	63840

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TR23900096	2023-01	1635	114609
2	TR23900088	2023-02	344	27520
2	TR23900090	2023-02	390	31200
2	TR23900094	2023-02	450	36000
2	TR23900095	2023-02	370	46250
3	TR23900050	2023-03	252	17520
3	TR23900059	2023-03	105	6300
3	TR23900064	2023-03	120	31200
3	TR23900070	2023-03	160	41600
3	TR23900077	2023-03	195	40950
3	TR23900078	2023-03	445	26700
3	TR23900084	2023-03	250	20000

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.
There were no group eBCDs issued.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	Yes	
2		Yes	3	Yes	Yes	
3		Yes	3	Yes	Yes	

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no intra-farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred xxxed on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	N/A

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

There were no potential non-compliances observed during the deployment period.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	
		Türkiye		Support	No	
		Türkiye		Towing	No	
		Türkiye		Support	No	
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

No sampling performed.

ICCAT ROP-BFT 2023-2024



Observer Deployment Final Report
Deployment on Farming Facilities

Deployment Request Number: <u>001TR0776</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Türkiye
Farm Operating Company	
Observer Name	ESIN YALCIN
Observer ICCAT ID No	275
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	28/06/2023		Ankara, Türkiye
Date of mobilisation	27/06/2023		
Arrival to port / farm	29/06/2023		Izmir-Urla, Türkiye
Request dates	30/06/2023	13/07/2023	
Deployment period	30/06/2023	13/07/2023	
Departure from port / farm	14/07/2023		Izmir-Urla, Türkiye
Return home	16/07/2023		
Debriefing	15/07/2023		Ankara, Türkiye

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUR-XXX-2022-003	765	138856.6	SY22900001
TUR-XXX-2022-004	26	7510.04	TR22900010
TUR-XXX-2022-004	13	3777.28	TR22900019
TUR-XXX-2022-004	22	6151.54	TR22900022
TUR-XXX-2022-004	13	2680.42	TR22900030
TUR-XXX-2022-004	10	2678.01	TR22900033
TUR-XXX-2022-004	16	3777.92	TR22900034
TUR-XXX-2022-004	15	3803.37	TR22900040
TUR-XXX-2022-004	30	8118	TR22900070
TUR-XXX-2022-004	18	4932.13	TR22900071
TUR-XXX-2022-004	25	6865.88	TR22900075
TUR-XXX-2022-004	27	7111.36	TR22900082
TUR-XXX-2022-004	8	1988.99	TR22900083
TUR-XXX-2022-004	28	7879.87	TR22900088
TUR-XXX-2022-004	15	3865.18	TR22900108
TUR-XXX-2022-005	1177	192418.39	DZ22900007
TUR-XXX-2022-005	926	151401.75	DZ22900008

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUR-2023/AUT/211	2082	250000
2	TUR-2023/AUT/212	2193	229576
3	TUR-2023/AUT/213	2420	252239
4	TUR-2023/AUT/214	3938	256000
5	TUR-2023/AUT/215	461	61744
6	TUR-2023/AUT/216	494	88920
7	TUR-2023/AUT/217	1396	188523
8	TUR-2023/AUT/218	1524	267974

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	02/07/2023	12:00			TUR-XXX-2023-021	TUR-XXX-2023-006	Standard	Caging	Yes	Yes
2	02/07/2023	18:15			TUR-XXX-2023-022	TUR-XXX-2023-001	Standard	Caging	Yes	Yes
3	03/07/2023	12:00			TUR-XXX-2023-023	TUR-XXX-2023-002	Standard	Caging	Yes	Yes
4	03/07/2023	17:00			TUR-XXX-2023-024	TUR-XXX-2023-007	Standard	Caging	Yes	Yes

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
5	04/07/2023	15:00			TUR-XXX-2023-026	TUR-XXX-2023-008	Standard	Caging	Yes	Yes
6	04/07/2023	18:00			TUR-XXX-2023-028	TUR-XXX-2023-008	Standard	Caging	Yes	Yes
7	11/07/2023	14:00			TUR-XXX-2023-027	TUR-XXX-2023-010	Standard	Caging	Yes	Yes
8	11/07/2023	16:00			TUR-XXX-2023-025	TUR-XXX-2023-009	Standard	Caging	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
8	1	After	13/07/2023	09:00	TUR-XXX-2023-009	TUR-XXX-2023-015	Yes	Yes

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	2082	250000	2230	
2		Alive	2193	229576	2340	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
3		Alive	2420	252239	2500	
4		Alive	3938	256000	3800	
5		Alive	461	61744	490	
6		Alive	494	88920	535	
7		Alive	1396	188523	1300	
8	1	Alive	1524	267974	1490	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	LY23900012	TUR-2023/AUT/211	582	69998
1	LY23900013	TUR-2023/AUT/211	1500	180002
2	TR23900006	TUR-2023/AUT/212	44	5720
2	TR23900011	TUR-2023/AUT/212	42	5462
2	TR23900014	TUR-2023/AUT/212	12	1562
2	TR23900017	TUR-2023/AUT/212	45	5842
2	TR23900019	TUR-2023/AUT/212	14	1834
2	TR23900023	TUR-2023/AUT/212	24	3094
2	TR23900031	TUR-2023/AUT/212	27	3510

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
2	TR23900033	TUR-2023/AUT/212	60	7742
2	TR23900035	TUR-2023/AUT/212	29	3770
2	TR23900062	TUR-2023/AUT/212	17	3060
2	TR23900065	TUR-2023/AUT/212	180	32400
2	TR23900079	TUR-2023/AUT/212	16	2878
2	TR23900080	TUR-2023/AUT/212	32	2560
2	TR23900082	TUR-2023/AUT/212	100	8000
2	TR23900093	TUR-2023/AUT/212	250	20000
2	TR23900102	TUR-2023/AUT/212	1190	95200
2	TR23900103	TUR-2023/AUT/212	111	26942
3	TR23900104	TUR-2023/AUT/213	1000	80000
3	TR23900105	TUR-2023/AUT/213	553	44239
3	TR23900106	TUR-2023/AUT/213	195	46626
3	TR23900107	TUR-2023/AUT/213	672	81374
4	LY23900009	TUR-2023/AUT/214	3000	195000
4	LY23900011	TUR-2023/AUT/214	938	61000
5	TR23900043	TUR-2023/AUT/215	33	4292
5	TR23900045	TUR-2023/AUT/215	120	15600
5	TR23900048	TUR-2023/AUT/215	83	10852
5	TR23900051	TUR-2023/AUT/215	190	24700
5	TR23900089	TUR-2023/AUT/215	35	6300

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
6	TR23900075	TUR-2023/AUT/216	360	64800
6	TR23900085	TUR-2023/AUT/216	134	24120
7	DZ23900007	TUR-2023/AUT/217	1396	188523
8	TR23900054	TUR-2023/AUT/218	260	29900
8	TR23900057	TUR-2023/AUT/218	250	37500
8	TR23900067	TUR-2023/AUT/218	78	14038
8	TR23900068	TUR-2023/AUT/218	144	25920
8	TR23900076	TUR-2023/AUT/218	83	14942
8	TR23900086	TUR-2023/AUT/218	38	6838
8	TR23900091	TUR-2023/AUT/218	200	36000
8	TR23900092	TUR-2023/AUT/218	170	30588
8	TR23900116	TUR-2023/AUT/218	301	72248

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

There were no group eBCDs issued during the deployment period.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	No	
2		Yes	4	Yes	No	
3		Yes	4	Yes	No	
4		Yes	3	Yes	No	
5		Yes	3	Yes	No	
6		Yes	3	Yes	No	
7		Yes	3	Yes	No	
8		Yes	1	No	No	
8	1	Yes	4	Yes	No	

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

The cage seals were put on the cage door following the caging operation in a separate sealing operation with separate video record. These seals were provided by national authorities.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfer operations during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations during the deployment period.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations during the deployment period.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no within farm transfer operations during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	COP8
Independent observer estimate of amount caged was not possible due to video quality - CCNP	X

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

For caging operation 8 performed on 11/07 (caging authorisation – TUR-2023/AUT/218), the video of the operation was not of sufficient quality to make an independent estimate of the number of tuna caged. This is in potential non-compliance with Para 162 and Annex 8 Para 1e of Rec. 22-08. No eBCD nor ICD was produced following this operation.

The farm later performed a control caging, which produced a compliant video record. After this operation, the following eBCDs, TR23900054; TR23900057; TR23900067; TR23900068; TR23900076; TR23900086; TR23900091; TR23900092 and TR23900116, and the ICD TUR-2023/AUT/218 were issued, and these documents were signed the observer

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan
Farm plan provided by the operator

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	
		Türkiye		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0777	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	arris fateh
Observer ICCAT ID No	916
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	01/07/2023		TIZI OUZOU ALGERIE
Date of mobilisation	01/07/2023		
Arrival to port / farm	03/07/2023		MAHDIA
Request dates	04/07/2023	02/08/2023	
Deployment period	04/07/2023	02/08/2023	
Departure from port / farm	02/08/2023		MAHDIA
Return home	03/08/2023		
Debriefing	04/08/2023		ALGER

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUN-CO22-201xxx	605		TN22900002
TUN-CO22-202xxx	233		TN22900004/MA22900017/MA22900014
TUN-CO22-203xxx	953		TN22900003/MA22900016/TN22900012/MA22900027
TUN-CO22-209xxx	689		DZ22900003/DZ22900009/DZ22900005

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUN-2023/AUT059	1849	166085
2	TUN-2023/AUT060	2089	130709
3	TUN-2023/AUT068	525	28956
4	TUN-2023/AUT069	1881	99499
5	TUN-2023/AUT070	1512	121000
6	TUN-2023/AUT071	2040	158450
7	TUN-2023/AUT072	1847	90375
8	TUN-2023/AUT073	1574	77928
9	TUN-2023/AUT074	1452	110215

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	09/07/2023	12:00			EUMLT013xxx	TUN-201xxx	Standard	Caging	Yes	Yes
2	11/07/2023	11:22			TUN-007xxx	TUN-202xxx	Standard	Caging	Yes	Yes
3	13/07/2023	11:52			TUN-006xxx	TUN-203xxx	Standard	Caging	Yes	Yes
4	15/07/2023	11:38			EUMLT-009xxx	TUN-204xxx	Standard	Caging	Yes	Yes
5	16/07/2023	13:11			TUN-004xxx	TUN-205xxx	Standard	Caging	Yes	Yes
6	17/07/2023	14:19			TUN-010xxx	TUN-206xxx	Standard	Caging	Yes	Yes
7	18/07/2023	12:06			EUMLT-016xxx	TUN-207xxx	Standard	Caging	Yes	Yes
8	19/07/2023	10:47			EUMLT-015xxx	TUN-208xxx	Standard	Caging	Yes	Yes
9	20/07/2023	10:24			EU.MLT-002xxx	TUN-209xxx	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
NA								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	277	24913,481	1843	
		Alive	1572	141171,719		
2		Alive	313	19584,39	2252	
		Alive	1776	111124,21		
3		Alive	79	4357,188	565	
		Alive	446	24598,811		
4		Alive	282	14953,541	1993	
		Alive	1599	84545,168		
5		Alive	227	18166,005	1550	
		Alive	1285	102833,995		
6		Alive	306	23739,989	2198	
		Alive	1734	134710,011		

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
7		Alive	277	13542,422	2025	
		Alive	1570	76832,572		
8		Alive	236	11675,64	1654	
		Alive	1338	66252,368		
9		Alive	218	16547,431	1594	
		Alive	1234	93667,569		

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	MA23900441	TUN-2023/059/ICD	277	24913,481
1	TN23900014-LT01	TUN-2023/059/ICD	1572	141171,719
2	MA23900482	TUN-2023/060/ICD	313	19584,39
2	TN23900019	TUN-2023/060/ICD	1776	111124,21
3	MA23900477	TUN-2023/068/ICD	79	4357,188
3	TN23900015	TUN-2023/068/ICD	446	24598,811
4	MA23900482	TUN-2023/069/ICD	282	14953,541
4	TN23900019	TUN-2023/069/ICD	1599	84545,168
5	MA23900478	TUN-2023/070/ICD	227	18166,005

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
5	TN23900016	TUN-2023/070/ICD	1285	102833,995
6	MA23900478	TUN-071/071/ICD	306	23739,989
6	TN23900016	TUN-071/071/ICD	1734	134710,011
7	MA23900379	TUN-2023/072/ICD	277	13542,422
7	TN23900013	TUN-2023/072/ICD	1570	76832,572
8	MA23900477	TUN-2023/073/ICD	236	11675,64
8	TN23900015	TUN-2023/073/ICD	1338	66252,368
9	MA23900379	TUN-2023/074/ICD	218	16547,431
9	TN23900013	TUN-2023/074/ICD	1234	93667,569

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
NA			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	4	Yes	No	
2		Yes	4	Yes	No	
3		Yes	3	Yes	No	
4		Yes	3	Yes	No	
5		Yes	4	Yes	No	
6		Yes	4	Yes	No	
7		Yes	3	Yes	No	
8		Yes	4	Yes	No	
9		Yes	4	Yes	No	

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
NA					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
NA									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
NA							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
NA								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
NA							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
NA										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
NA				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
NA					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
NA							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
NA				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
NA							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
NA	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
NA				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
NA								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Tunisia		Support	No	
		Tunisia		Support	No	
		Tunisia		Support	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Towing	No	
		Tunisia		Support	No	
		Tunisia		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0779</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	.
Observer Name	Irena GLAVOR
Observer ICCAT ID No	436
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	09/07/2023		Valencia, Spain
Date of mobilisation	08/07/2023		
Arrival to port / farm	09/07/2023		Cartagena, Spain
Request dates	10/07/2023	16/09/2023	
Deployment period	10/07/2023	16/09/2023	
Departure from port / farm	17/09/2023		Cartagena, Spain
Return home	18/09/2023		
Debriefing	18/09/2023		Split, Croatia

The observer was also jointly deployed on the farm Tuna Graso (ATEU1ESP00001) from 11/08/2023 to 18/08/2023 due to force majeure, in accordance with Paragraph 104 of Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP041	96		ES22901531-CG02-MC01
ESP041	41		FR22900805-CG02-MC01
ESP041	94		FR22900814-LT01-CG01-MC01
ESP041	110		FR22900822-LT01-CG02-MC01
ESP041	2		FR22900822-LT01-CG03-MC01-MC01-MC01-MC01
ESP045	12		IT22900986-MC01
ESP045	334		IT22901046-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	AUT001-MB	1870	141250

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	25/07/2023	09:40	GWEL A VO	ATEU0FRA00719	EU.MLT-001-MB	ESP-053	Standard	Caging	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

No control caging operations were performed during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1870	141250		

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

The observer was not able to estimate the number of tuna caged due to poor video quality.

Table 5: Breakdown of caging records

Caging Op #*	eBCD #	ICD document #	#	kg
1	IT23901125		435	42334
1	IT23900973		464	45900
1	IT23900704		971	53016

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

No group eBCDs were issued during the deployment period.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	No	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
1				EFD/bgm	e-copy Control Documents
2				EFD/bgm	e-copy Control Documents
3				EFD/bgm	e-copy Control Documents
4				EFD/bgm	e-copy Control Documents
5				EFD/bgm	e-copy Control Documents
6				EFD/bgm	e-copy Control Documents

* Transfer operation number: Unique identification field linked to the deployment data set.

A total of 6 inter-farm transfers were carried out during the deployment period. These were carried out due to force majeure, specifically damage to the cages and currents requiring the cages to be relocated in Tuna Graso (ATEU1ESP00001). In accordance with Para 217 of Rec. 22-08, the entire farm cages were transported to the recipient farm, and therefore no video record was required.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
2	12/08/2023	09:00	ESP-062					ESP-062	No
3	12/08/2023	09:00	ESP-064					ESP-064	No
4	12/08/2023	10:00	ESP-056					ESP-056	No
5	12/08/2023	11:00	ESP-063					ESP-063	No
6	14/08/2023	12:00	ESP-058					ESP-058	No
1	12/08/2023	09:30	ESP-060					ESP-060	No

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.
No voluntary nor control operations were performed.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
1		Alive	676	104128		
1		Dead	0	0	0	0
2		Alive	841	141919		
2		Dead	0	0	0	0
3		Alive	1250	193750		
3		Dead	0	0	0	0
4		Alive	1360	272100		
4		Dead	0	0	0	0
5		Alive	1280	192000		
5		Dead	0	0	0	0

6		Alive	1434	242267		
6		Dead	0	0	0	0

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

As there was no video record of the transfer, the observer was unable to estimate the number of tuna transferred.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
1		Alive		FR23900815-CG01	469	72235
1		Alive		ES23901405-CG01	207	31892
2		Alive		FR900836-CG01	583	98436
2		Alive		ES23901423-CG01	258	43482
3		Alive		FR23900842-CG02	867	134331
3		Alive		ES23901427-CG02	383	59418
4		Alive		FR23900894-CG01	943	188628
4		Alive		ES23901462	417	83471
5		Alive		FR23900872-CG01	889	133092
5		Alive		ES23901443	391	58907
6		Alive		FR23900893-CG02	992	168157
6		Alive		ES23901461-CG02	442	74109

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

No ITDs were issued by the donor farm.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		No	N/A	N/A	N/A	N/A
2		No	N/A	N/A	N/A	N/A
3		No	N/A	N/A	N/A	N/A
4		No	N/A	N/A	N/A	N/A
5		No	N/A	N/A	N/A	N/A
6		No	N/A	N/A	N/A	N/A

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

No prior to release segregation operations were performed.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor; 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
1	Harvest	02/08/2023	09:08			ESP-045	Yes	No	003	No
2	Harvest	13/08/2023	09:22			ESP-041	Yes	Yes	004	No

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

The cage was not towed to sea for operation 1 but instead tuna were release directly from the farm cage.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
 No transfers within the farm were performed.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	10/07/2023	Fresh Export	ESP041	Yes	Yes		
2	10/07/2023	Fresh Export	ESP041	Yes	Yes		
3	10/07/2023	Fresh Export	ESP045	Yes	Yes		
4	13/07/2023	Fresh Export	ESP045	Yes	Yes		
5	13/07/2023	Fresh Export	ESP041	Yes	Yes		
6	14/07/2023	Fresh Export	ESP041	Yes	Yes		
7	17/07/2023	Fresh Export	ESP041	Yes	Yes		
8	17/07/2023	Fresh Export	ESP041	Yes	Yes		
9	17/07/2023	Fresh Export	ESP045	Yes	Yes		
10	19/07/2023	Fresh Export	ESP045	Yes	Yes		
11	20/07/2023	Fresh Export	ESP041	Yes	Yes		
12	20/07/2023	Fresh Export	ESP045	Yes	Yes		
13	21/07/2023	Fresh Export	ESP045	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	51	17379	51	17379
2	37	11365	37	11365
3	30	2218	30	2218
4	75	8316	75	8316
5	28	8366	28	8366
6	37	9262	37	9262
7	132	27166	132	27166
8	25	3702	25	3702
9	53	3869	53	3869
10	20	1490	20	1490
11	33	4287	33	4287
12	86	6840	86	6840
13	82	5079	82	5079

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	EU-ESP-2022/201/DSDT	FR22900814-LT01-CG01-MC01-HA011	51	17379	Yes	Yes	Yes
2	EU-ESP-2022/202/DSDT	FR22900805-CG02-MC01-HA04	37	11365	Yes	Yes	Yes
3	EU-ESP-2022/203/DSDT	IT22901046-MC01-HA07	30	2218	Yes	Yes	Yes
4	EU-ESP-2022/204/DSDT	IT22901046-MC01-HA08	75	8316	Yes	Yes	Yes
5	EU-ESP-2022/205/DSDT	FR22900814-LT01-CG01-MC01-HA012	28	8366	Yes	Yes	Yes
6	EU-ESP-2022/206/DSDT	ES22901531-CG02-MC01-HA01	37	9262	Yes	Yes	Yes
7	EU-ESP-2022/207/DSDT	ES22901531-CG02-MC01-HA02	27	5073	Yes	Yes	Yes
7	EU-ESP-2022/207/DSDT	FR22900822-LT01-CG02-MC01-HA02	10 5	22093	Yes	Yes	Yes
8	EU-ESP-2022/209/DSDT	ES22901531-CG02-MC01-HA03	25	3702	Yes	Yes	Yes
9	EU-ESP-2022/208/DSDT	IT22901046-MC01-HA09	53	3869	Yes	Yes	Yes
10	EU-ESP-2022/210/DSDT	IT22900986-MC01-HA014	12	800	Yes	Yes	Yes
10	EU-ESP-2022/210/DSDT	IT22901046-MC01-HA010	8	690	Yes	Yes	Yes
11	EU-ESP-2022/212/DSDT	ES22901531-CG02-MC01-HA04	7	1180	Yes	Yes	Yes
11	EU-ESP-2022/212/DSDT	FR22900805-CG02-MC01-HA05	4	464	Yes	Yes	Yes
11	EU-ESP-2022/212/DSDT	FR22900814-LT01-CG01-MC01-HA013	15	1862	Yes	Yes	Yes
11	EU-ESP-2022/212/DSDT	FR22900822-LT01-CG02-MC01-HA03	5	504	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
11	EU-ESP-2022/212/DSDT	FR22900822-LT01-CG03-MC01-MC01-MC01-MC01-HA02	2	277	Yes	Yes	Yes
12	EU-ESP-2022/211/DSDT	IT22901046-MC01-HA011	86	6840	Yes	Yes	Yes
13	EU-ESP-2022/213/DSDT	IT22901046-MC01-HA01	82	5079	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *		
	COP1	REL1	REL2
CCNP - Independent observer estimate of amount caged was not possible due to video quality	X		
RSEG - No prior segregation of tuna to be released, into an empty transport cage occurred		X	X
RDIS - Release not conducted, in the case of less than 5 tonnes of tuna, a minimum of 5 miles from the farm.		X	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

COP1 - CCNP: An independent observer estimate of amount caged was not possible due to video quality. Specifically, a large number of small fish passes by in a short period of time. This is a potential non-compliance with Rec. 22-08 Para 162. The eBCDs IT23900704, IT23900973 and IT23901125 and ICD (GWEL A VO/001/2023) were not signed. Instead, the observer input her name, ROP-BFT N^o, date and PNC code CCNP.

REL1 – RSEG: For the release carried out on 02/08/2023, no prior to release segregation was carried out. This is a potential non-compliance with Para 185 and Annex 10, paragraph 3 of Rec. 22-08 which requires that “the fish to be released is segregated and moved to an empty transport cage, and the transfer of fish to the transport cage is monitored using a control camera in the water, in accordance with the minimum standards established in Annex 8”.

- RDIS: Furthermore, the tuna were released directly from the farm cage instead of being moved the minimum distance from the farm. potential non-compliance with Para 185 and Annex 10, paragraph 9 of Rec. 22-08 which requires that "Release operations from farms must be executed... at a minimum distance of 10 miles from the farm. For releases of less than 5 tons of red fish, the competent authority of the CPC of the farm may set a shorter distance, of minimum 5 miles, for the release”.

According to the release report, the amount of tuna released was 43 pieces weighing 2150kg. These tuna were remaining after the harvest operations and were not covered by an eBCD.

The farm produced release report No. 003, which was not signed by the observer. Instead, the observer input her name, ROP-BFT number, date, and the PNC codes RDIS and RSEG.

REL2 - RSEG: For the release carried out on 13/08/2023, no prior to release segregation was carried out. This is a potential non-compliance with Para 185 and Annex 10, paragraph 3 of Rec. 22-08 which requires that “the fish to be released is segregated and moved to an empty transport cage, and the transfer of fish to the transport cage is monitored using a control camera in the water, in accordance with the minimum standards established in Annex 8”.

These tuna were remaining after the harvest operations and were not covered by an eBCD.

The farm produced release report No. 004, which was not signed by the observer. Instead the observer input her name, ROP-BFT number, date and the PNC code RDIS.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	22	22	0	0
2	26	26	0	0
3	30	30	0	0
4	49	49	0	0
5	17	17	0	0
6	37	37	0	0
7	78	78	0	0
8	24	24	0	0
9	52	52	0	0
10	20	20	0	0
11	33	33	0	0
12	86	86	0	0
13	80	80	0	0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tag recoveries during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.España		Farm	No	
		EU.France		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0779</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.España
Farm Operating Company	
Observer Name	Irena GLAVOR
Observer ICCAT ID No	436
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	09/07/2023		Valencia, Spain
Date of mobilisation	08/07/2023		
Arrival to port / farm	11/08/2023		San Pedro del Pinatar, Spain
Request dates	11/08/2023	18/08/2023	
Deployment period	11/08/2023	18/08/2023	
Departure from port / farm	18/08/2023		San Pedro del Pinatar, Spain
Return home	18/09/2023		
Debriefing	18/09/2023		Split, Croatia

The observer was also jointly deployed on the farm Caladeros del Mediterraneo (ATEU1ESP00003) from 10/07/2023 to 16/09/2023 due to force majeure, in accordance with Paragraph 104 of Rec. 22-08.

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
ESP-001	1000	150000	ES23901447, IT23900804, CY23900031
ESP-002	877	131550	ES23901448-CG01, IT23900807-CG01, CY23900032-CG01
ESP-003	1250	175000	ES23901463-CG01, IT23900858-LT01-CG01, CY23900034-CG01
ESP-004	680	86858.999	ES23901467, IT23900878, CY23900036,
ESP-006	1450	203000	ES23901463-CG03, IT23900858-LT01-CG02, CY23900034-CG03
ESP-007	1400	196000	ES23901463-CG02, IT23900858-LT01-CG03, CY23900034-CG02
ESP-008	733	115950	ES23901448-CG02, IT23900807-CG02, CY23900032-CG02
ESP-021	950	123500	ES23901403-CG01, FR23900802-CG01
ESP-022	800	104000	ES23901403-CG02, FR23900802-CG02
ESP-023	969	145350	ES23901412-CG01, FR23900827-CG01
ESP-024	831	124650	ES23901412-CG02, FR23900827-CG02
ESP-025	1000	150000	ES23901412-CG03, FR23900827-CG03
ESP-026	1200	180000	ES23901412-CG04, FR23900827-CG04
ESP-027	574	131305	ES23901411-CG01, FR23900826-CG01
ESP-028	838	191695	ES23901411-CG02, ES23901411-CG02, FR23900826-CG02

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	EFD/bgm		
2	EFD/bgm		
3	EFD/bgm		
4	EFD/bgm		
5	EFD/bgm		
6	EFD/bgm		

* Caging operation number: Unique identification field linked to the deployment data set

Cages were transferred from the farm Caladeros del Mediterraneo due to force majeure. These were anchored at Tuna Graso for repairs prior to returning to Tuna Graso at a later date. The caging authorisation was the same for all 6 caging operations.

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	12/08/2023	08:00			ESP-060	ESP-060	Inter-farm Transfer	Mooring	No	No
2	12/08/2023	09:00			ESP-062	ESP-062	Inter-farm Transfer	Mooring	No	No
3	12/08/2023	09:00			ESP-064	ESP-064	Inter-farm Transfer	Mooring	No	No
4	12/08/2023	10:00			ESP-056	ESP-056	Inter-farm Transfer	Mooring	No	No
5	12/08/2023	11:00			ESP-063	ESP-063	Inter-farm Transfer	Mooring	No	No

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
6	14/08/2023	12:00			ESP-058	ESP-058	Inter-farm Transfer	Mooring	No	No

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

No ICCAT Caging Declaration nor eBCD was produced.

The cagings were moorings of the farm cage transferred from Tuna Graso. No movement of fish was performed nor was any corresponding video record of the caging produced.

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

No control operations were performed.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	676	104127		
2		Alive	841	141918		
3		Alive	1250	193749		
4		Alive	1360	272099		

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
5		Alive	1280	191999		
6		Alive	1434	242266		

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the number, nor the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	ES23901405-CG01		207	31892
1	FR23900815-CG01		469	72235
2	ES23901423-CG01		258	43482
2	FR900836-CG01		583	98436
3	ES23901427-CG02		383	59418
3	FR23900842-CG02		867	134331
4	ES23901462		417	83471
4	FR23900894-CG01		943	188628
5	ES23901443		391	58907
5	FR23900872-CG01		889	133092
6	ES23901461-CG02		442	74109
6	FR23900893-CG02		992	168157

* Caging operations as per Table 2.

No ICCAT Caging Declaration was produced. The observer was not requested to sign the eBCD, nor were the eBCDs amended to show movement between the farms.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.
No group eBCD was produced.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		No	N/A	N/A	N/A	N/A
2		No	N/A	N/A	N/A	N/A
3		No	N/A	N/A	N/A	N/A
4		No	N/A	N/A	N/A	N/A
5		No	N/A	N/A	N/A	N/A
6		No	N/A	N/A	N/A	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).
The cages were moored, and no corresponding video record of the operation was produced.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

There were no inter-farm transfer operations performed as a donor farm at this farm during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

There were no prior to release segregation operations performed.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

There were no release operations performed.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
1	14/08/2023	ESP-028	ESP-027	EFS/bgm

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
1	838	72010	ES23901411-CG02, FR23900826-CG02	Yes	815

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations performed.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	COP1 - 6
CQSV - Caging not covered by stereoscopic video	X
CNVD - Caging not monitored by video	X
CICE - ICCAT Caging Declaration incomplete or not produced within 1 week after the actual caging operation.	X

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

Due to force majeure, the xxx farm (xxx) had to relocate 6 cages to the xxx farm (xxx).

CQSV / CNVD: The cage was moved directly to the farm, without any type of movement of tuna between cages or associated video recording. This is a potential non-compliance with Para 162 and 218 of Recommendation 22-08, which requires that, for inter-farm transfers, caging of bluefin tuna at the destination farm shall be subject to the requirements for caging operations. This includes a video recording (both standard and stereoscopic) to confirm the number and weight of caged bluefin tuna and verification of the operation by an ICCAT regional observer.

CICE: Furthermore, no ICCAT Caging Declaration was submitted. This is a possible non-compliance with Paragraph 168, Annex 12 of Recommendation 22-08.

The observer understands that the operations have been authorized by the farm state authorities due to force majeure. The cages will return to xxx (xxx) when they are repaired.

The cages, dates of operations and corresponding eBCDs are:

COP1: 12/08 - ESP-056 (ES23901462 and FR23900894-CG01)

COP2: 12/08 - ESP-060 (ES23901405-CG01 and FR23900815-CG01)

COP3: 12/08 - ESP-062 (ES23901423-CG01 and FR23900836-CG01)

COP4: 12/08 - ESP-063 (ES23901443 and FR23900872-CG01)

COP5: 12/08 - ESP-064 (ES23901427-CG02 and FR23900842-CG02)

COP6: 08/14 - ESP-058 (ES23901461-CG02 and FR23900893-CG02)

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.
There was no sampling performed.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.
There were no tags recovered.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	
		EU.España		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: <u>001EU0780</u>	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	EU.Malta
Farm Operating Company	
Observer Name	Vesna Pilić
Observer ICCAT ID No	983
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	04/07/2023		Split, Croatia
Date of mobilisation	04/07/2023		
Arrival to port / farm	05/07/2023		Marsaxlokk, Malta
Request dates	06/07/2023	18/09/2023	
Deployment period	06/07/2023	18/09/2023	
Departure from port / farm	18/09/2023		Marsaxlokk, Malta
Return home	18/09/2023		
Debriefing	19/07/2023		Split, Croatia

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
EUMLT001XXX	0	0	N/A
EUMLT002XXX	0	0	N/A
EUMLT003XXX	0	0	N/A
EUMLT004XXX	0	0	N/A
EUMLT005XXX	0	0	N/A
EUMLT006XXX	0	0	N/A
EUMLT007XXX	0	0	N/A
EUMLT008XXX	0	0	N/A
EUMLT009XXX	0	0	N/A
EUMLT010XXX	0	0	N/A
EUMLT011XXX	0	0	N/A
EUMLT012XXX	0	0	N/A

Information on the farm contents was provided by the farm manager.

All cages were empty on arrival.

Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	MLT-2023-AUT-CG-047	1690	165620
2	MLT-2023-AUT-CG-049	1570	156300
3	MLT-2023-AUT.CG-048	1730	155700
4	MLT-2023-AUT-CG-046	1890	185220
5	MLT-2023-AUT-CG-051	1619	159950
6	MLT-2023-AUT-CG-053	1347	71550
7	MLT-2023-AUT-CG-054	1478	162646
8	MLT-2023-AUT-CG-057	1962	138634
9	MLT-2023-AUT-CG-056	2674	101612
10	MLT-2023-AUT-CG-052	1310	134993
11	MLT-2023-AUT-CG-073	1374	104534
12	MLT-2023-AUT-CG-055	1379	102190
13	MLT-2023-AUT-CG-088	1230	132840
14	MLT-2023-AUT-CG-075	837	63612
15	MLT-2023-AUT-CG-086	1290	140490
16	MLT-2023-AUT-CG-077	970	64990
17	MLT-2023-AUT-CG-087	1720	130720
18	MLT-2023-AUT-CG-074	1847	160721

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
19	MLT-2023-AUT-CG-089	1529	155645
20	MLT-2023-AUT-CG-076	1232	46816
21	MLT-2023-AUT-CG-085	1631	165872
22	MLT-2023-AUT-CG-050	940	99852

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	07/07/2023	10:50			EUMLT032XXX	EUMLT001XXX	Standard	Caging	Yes	Yes
2	08/07/2023	11:12			EUMLT047XXX	EUMLT002XXX	Standard	Caging	Yes	Yes
3	10/07/2023	09:31			EUMLT048XXX	EUMLT003XXX	Standard	Caging	No	No
4	11/07/2023	09:51			EUMLT026XXX	EUMLT004XXX	Standard	Caging	Yes	Yes
5	12/07/2023	09:19			EUMLT029XXX	EUMLT005XXX	Standard	Caging	Yes	Yes
6	13/07/2023	09:38			EUMLT033XXX	EUMLT006XXX	Standard	Caging	Yes	Yes
7	14/07/2023	09:44			EUMLT042XXX	EUMLT007XXX	Standard	Caging	Yes	Yes
8	15/07/2023	09:17			EUMLT027XXX	EUMLT008XXX	Standard	Caging	Yes	Yes
9	15/07/2023	14:03			EUMLT043XXX	EUMLT009XXX	Standard	Caging	Yes	Yes
10	17/07/2023	09:34			EUMLT050XXX	EUMLT010XXX	Standard	Caging	Yes	Yes
11	17/07/2023	14:53			EUMLT038XXX	EUMLT011XXX	Standard	Caging	Yes	Yes

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
12	18/07/2023	10:50			EUMLT040XXX	EUMLT012XXX	Standard	Caging	Yes	Yes
13	19/07/2023	09:13			EUMLT036XXX	EUMLT013XXX	Standard	Caging	Yes	Yes
14	20/07/2023	09:55			EUMLT034XXX	EUMLT014XXX	Standard	Caging	Yes	Yes
15	20/07/2023	14:03			EUMLT049XXX	EUMLT015XXX	Standard	Caging	Yes	Yes
16	21/07/2023	11:00			EUMLT045XXX	EUMLT016XXX	Standard	Caging	Yes	Yes
17	22/07/2023	09:18			EUMLT037XXX	EUMLT017XXX	Standard	Caging	Yes	Yes
18	22/07/2023	14:08			EUMLT041XXX	EUMLT018XXX	Standard	Caging	Yes	Yes
19	24/07/2023	10:45			EUMLT039XXX	EUMLT019XXX	Standard	Caging	Yes	Yes
20	25/07/2023	11:53			EUMLT031XXX	EUMLT020XXX	Standard	Caging	Yes	Yes
21	28/07/2023	09:37			EUMLT035XXX	EUMLT021XXX	Standard	Caging	Yes	Yes
22	28/07/2023	13:13			EUMLT046XXX	EUMLT022XXX	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

There were no control caging operations during the deployment period.

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1		Alive	1659	165620	1764	
1		Dead	0	0	0	0
2		Alive	1559	156300	1548	
2		Dead	0	0	0	0
3		Alive	1706	155700		
3		Dead	0	0	0	0
4		Alive	2061	185220	1923	
4		Dead	0	0	0	0
5		Alive	1692	160000	1525	
5		Dead	0	0	0	0
6		Alive	1373	71550	1240	
6		Dead	0	0	0	0
7		Alive	1456	162646	1446	
7		Dead	0	0	0	
8		Alive	1992	138634	1969	
8		Dead	0	0	0	0
9		Alive	2811	101612	2670	
9		Dead	0	0	0	0
10		Alive	1381	134993	1366	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
10		Dead	0	0	0	0
11		Alive	1307	104534	1306	
11		Dead	0	0	0	0
12		Alive	1361	102190	1315	
12		Dead	0	0	0	0
13		Alive	1135	132840	1120	
13		Dead	0	0	0	0
14		Alive	871	63612	867	
14		Dead	0	0	0	0
15		Alive	1332	140490	1330	
15		Dead	0	0	0	0
16		Alive	908	64990	914	
16		Dead	0	0	0	0
17		Alive	1799	130720	1807	
17		Dead	0	0	0	0
18		Alive	1934	160721	1816	
18		Dead	0	0	0	0
19		Alive	1460	155645	1481	
19		Dead	0	0	0	0
20		Alive	1263	46816	1333	

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
20		Dead	0	0	0	0
21		Alive	1624	165872	1657	
21		Dead	0	0	0	0
22		Alive	1023	99852	1013	

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

The observer was unable to estimate the number of tuna caged for operation 3.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	IT23900956-LT01-CG01	ICD-MLT-2023-AUT-CG-047	1659	165620
2	IT23901078-CG01	ICD-MLT-2023-AUT-CG-049	318	28800
2	MT23900410-G-CG01	ICD-MLT-2023-AUT-CG-049	1241	127499.997
3	IT23901078-CG02	ICD-MLT-2023-AUT-CG-048	1582	144363.766
3	MT23900256-CG01	ICD-MLT-2023-AUT-CG-048	124	11336.234
4	IT23900956-LT01	ICD-MLT-2023-AUT-CG-046	1822	163762.522
4	MT23900225-LT01	ICD-MLT-2023-AUT-CG-046	239	21457.478
5	MT23900412-G	ICD-MLT-2023-AUT-CG-051	1692	160000
6	MT23900413-G	ICD-MLT-2023-AUT-CG-053	1373	71550
7	MT23900414-G-CG01	ICD-MLT-2023-AUT-CG-054	1456	162646

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
8	LY23900010-TR01	ICD-MLT-2023-AUT-CG-057	985	100938
8	LY23900014-TR01-CG01	ICD-MLT-2023-AUT-CG-057	1007	37696
9	LY23900014-TR01-CG02	ICD-MLT-2023-AUT-CG-056	2811	101612
10	MT23900416-G	ICD-MLT-2023-AUT-CG-052	1381	134993
11	TN23900011-CG01	ICD-MLT-2023-AUT-CG-073	460	27104
11	TN23900020-TR01-TR01-CG01	ICD-MLT-2023-AUT-CG-073	847	77430
12	MT23900417-G-CG01	ICD-MLT-2023-AUT-CG-055	1361	102190
13	DZ23900005-TR01-CG01	ICD-MLT-2023-AUT-CG-088	1135	132840
14	TN23900022-TR01	ICD-MLT-2023-AUT-CG-075	871	63612
15	MT23900418-G	ICD-MLT-2023-AUT-CG-086	1332	140490
16	TN23900023-CG01	ICD-MLT-2023-AUT-CG-077	908	64990
17	DZ23900017-TR01	ICD-MLT-2023-AUT-CG-087	1799	130720
18	TN23900020-TR01-TR01-CG02	ICD-MLT-2023-AUT-CG-074	1934	160721
19	MT23900419-G-CG01	ICD-MLT-2023-AUT-CG-089	1460	155645
20	TN23900027-TR01-CG01	ICD-MLT-2023-AUT-CG-076	1263	46816
21	MT23900421-G-CG01	ICD-MLT-2023-AUT-CG-085	1624	165872
22	MT23900424-G	ICD-MLT-2023-AUT-CG-050	1023	99852

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
2	MT23900410-G-CG01	IT23901048-LT01	119659.87
2	MT23900410-G-CG01	MT23900254	7840.127
5	MT23900412-G	IT23900978	150119.12
5	MT23900412-G	MT23900230	9830.88
6	MT23900413-G	IT23901174-LT01	67104.85
6	MT23900413-G	MT23900284	4445.155
7	MT23900414-G-CG01	LY23900003	78010
7	MT23900414-G-CG01	LY23900008	84636
10	MT23900416-G	IT23901077-LT01	126683.877
10	MT23900416-G	MT23900255	8309.121
12	MT23900417-G-CG01	LY23900005	42790
12	MT23900417-G-CG01	LY23900006	59400
15	MT23900418-G	DZ23900012	50290
15	MT23900418-G	DZ23900013	90200
19	MT23900419-G-CG01	DZ23900004	38885
19	MT23900419-G-CG01	DZ23900008	31920
19	MT23900419-G-CG01	DZ23900009	84840
21	MT23900421-G-CG01	DZ23900001	48040
21	MT23900421-G-CG01	DZ23900002	34.216
21	MT23900421-G-CG01	DZ23900003	83616

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
22	MT23900424-G	IT23900888-LT01	93694.736
22	MT23900424-G	MT23900215	6157.264

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1		Yes	3	Yes	No	N/A
2		Yes	2	Yes	No	N/A
3		Yes	1	No	No	N/A
4		Yes	3	Yes	No	N/A
5		Yes	3	Yes	No	N/A
6		Yes	3	Yes	No	N/A
7		Yes	3	Yes	No	N/A
8		Yes	5	Yes	No	N/A
9		Yes	5	Yes	No	N/A
10		Yes	5	Yes	No	N/A
11		Yes	5	Yes	No	N/A
12		Yes	4	Yes	No	N/A
13		Yes	5	Yes	No	N/A
14		Yes	5	Yes	No	N/A

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
15		Yes	3	Yes	No	N/A
16		Yes	4	Yes	No	N/A
17		Yes	4	Yes	No	N/A
18		Yes	4	Yes	No	N/A
19		Yes	4	Yes	No	N/A
20		Yes	3	Yes	No	N/A
21		Yes	4	Yes	No	N/A
22		Yes	4	Yes	No	N/A

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.
There were no inter-farm transfers during the deployment period.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4 = good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
1	1	MLT-23-2023-REL-007	18/08/2023	13:09	EUMLT009XXX	EUMLT026XXX		
2	2	ITA-RIL-2023-004	02/09/2023	11:45	EUMLT006XXX	EUMLT026XXX		
3	3	MLT-23-2023-REL-014	14/09/2023	12:34	EUMLT018XXX	EUMLT026XXX		

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	4	Yes	443	17851.571	LY23900003; LY23900008; LY23900005; LY23900006 LY23900010; LY23900014-CG01; LY23900014-CG02	432
2	Yes	3	Yes	305	20006.959	MT23900225; IT23900956; MT23900256; IT23901078; MT23900254; IT23901048; MT23900215; IT23900888; MT23900230; IT23900978; MT23900255; IT23901077; MT23900284; IT23901174	301
3	Yes	4	Yes	1731	69972.79	TN23900011; TN23900020; TN23900022; TN23900027; TN23900023	1619

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report reference	Release report validated by observer (Yes / No)
		Date	Time							
1	Caging	19/08/2023	13:15			EUMLT026XXX	Yes	Yes	REL-EUMLT-007	Yes
2	Caging	03/09/2023	08:14			EUMLT026XXX	Yes	Yes	REL-EUMLT-007	Yes
3	Caging	15/09/2023	08:40			EUMLT026XXX	Yes	Yes	REL-EUMLT-007	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

The release order reference was the same for all 3 reports. Each was signed by the observer.

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.
There were no transfers within the farm observed during the deployment period.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

There were no harvest operations during the deployment period.

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
	COP3
CCNP - Independent observer estimate of amount caged was not possible due to video quality	X

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

COP3 – CCNP: For caging operation 3, performed on 10/07 (caging authorisation MLT-2023-AUT-CG-048), the video record of the operation was not of sufficient quality to determine the number of bluefin tuna being caged. Specifically, the camera lost focus and it was impossible to distinguish individual tunas. This is in potential non-compliance with Para 162 and Annex 8 Para 1e of Rec. 22-08.

The observer did not sign the ICCAT Caging Declaration (ICD-MLT-2023-AUT-CG-048) nor eBCDs (IT23901078-CG02 and MT23900256-CG01), instead inputting her name, ROP-BFT N^o, date and the reasons for disagreement.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

There was no sampling performed during the deployment period.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

There were no tags recovered during the deployment period.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		EU.Malta		Support	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Towing	No	N/A
		EU.Malta		Support	No	N/A
		EU.Malta		Towing	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

There was no sampling performed during the deployment period.

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0760	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	TUNISIE
Farm Operating Company	
Observer Name	YATAGHANE Radouane
Observer ICCAT ID No	901
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	03/07/2023		Tizi-Ouzou Algeria
Date of Mobilisation	04/07/2023		
Arrival to Port / Farm	04/07/2023		Hergla Sousse Tunisia
Request Dates	05/07/2023	26/07/2023	
Deployment Period	05/07/2023	25/07/2023	
Departure from Port / Farm	26/07/2023		Hergla Sousse Tunisia
Return Home	26/07/2023		
Debriefing	29/07/2023	29/07/2023	Algeria

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
VMT-004	897	98670	TN23900017-CG01
VMT-003	800	88000	TN23900017-CG02
VMT-005	900	99000	TN23900017-CG03

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUN2023-AUT081	897	98670
2	TUN2023-AUT082	800	88000
3	TUN2023-AUT083	900	99000

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	19/07/2023	12:02	ASSAHBI	AT000TUN00590	TUN-101	VMT-004	Standard	Caging	Yes	Yes
2	20/07/2023	12:14	ASSAHBI	AT000TUN00590	TUN-102	VMT-003	Standard	Caging	Yes	Yes
3	22/07/2023	12:21	ZIED	AT000TUN00496	TUN-103	VMT-005	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
1	0	Alive	897	98670	842	N/A
2	0	Alive	800	88000	869	N/A
3	0	Alive	900	99000	972	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
1	TN23900017-CG01	TUN-2023/081/ICD	897	98670
2	TN23900017-CG02	TUN-2023/082/ICD	800	88000
3	TN23900017-CG03	TUN-2023/083/ICD	900	99000

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	TN23900017-CG01	TN23900017-CG01	98670
2	TN23900017-CG02	TN23900017-CG02	88000
3	TN23900017-CG03	TN23900017-CG03	99000

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	Yes***	P1: TUN-SL-139, TUN-SL-140, TUN-SL-138 P2: TUN-SL-142, TUN-SL-143, TUN-SL-141
2	0	Yes	3	Yes	Yes***	P1: TUN-SL-147, TUN-SL-148, TUN-SL-149 P2: TUN-SL-144, TUN-SL-145, TUN-SL-146
3	0	Yes	3	Yes	Yes***	P1: TUN-SL-150, TUN-SL-152, TUN-SL-150 P2: TUN-SL-155, TUN-SL-154, TUN-SL-153

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

***Administrative Seals.

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	Kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Tunisia		Towing	No	N/A
		Tunisia		Towing	No	N/A
		Libya		Support	No	N/A
		Tunisia		Support	No	N/A
		Tunisia		Support	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0760	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	TUNISIE
Farm Operating Company	
Observer Name	YATAGHANE Radouane
Observer ICCAT ID No	901
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	03/07/2023		Tizi-Ouzou Algeria
Date of Mobilisation	04/07/2023		
Arrival to Port / Farm	04/07/2023		Hergla Sousse Tunisia
Request Dates	05/07/2023	25/07/2023	
Deployment Period	05/07/2023	25/07/2023	
Departure from Port / Farm	26/07/2023		Hergla Sousse Tunisia
Return Home	26/07/2023		
Debriefing	29/07/2023	29/07/2023	Algeria

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
XXX-001	804	80450	TN23900008-CG01
XXX-002	413	44246	TN23900018-CG01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
1	TUN-2023/AUT/075	804	80450
2	TUN-2023/AUT/076	413	80450

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
1	15/05/2023	11:50			TUN-401	XXX-001	Standard	Caging	Yes	Yes
2	17/05/2023	11:05			TUN-402	XXX-002	Standard	Caging	Yes	Yes

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	Kg
1	0	Alive	804	80450	804	N/A
2	0	Alive	413	142000	447	N/A

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	Kg
1	TN23900008-CG01	TUN-2023/075/ICD	804	80450
2	TN23900018-CG01	TUN-2023/076/ICD	413	44246

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
1	TN23900008-CG01	TN23900008-CG01	80450
2	TN23900018-CG01	TN23900018-CG01	44246

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
1	0	Yes	3	Yes	Yes***	P1 : TUN-SL-443, TUN-SL-445, TUN-SL-444 P2 : TUN-SL-447, TUN-SL-446, TUN-SL-448
2	0	Yes	4	Yes	Yes***	P1 : TUN-SL-449, TUN-SL-451, TUN-SL-450, P2 : TUN-SL-453, TUN-SL-454, TUN-SL-452

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

***Administrative seals

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	Kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
N/A							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	Kg
N/A				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
N/A							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
N/A	N/A	N/A	N/A	N/A

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Tunisie		Towing	No	N/A
		Libya		Support	No	N/A
		Tunisie		Support	No	N/A
		Tunisie		Support	No	N/A

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0784	
Farm Name	PESBAK FISH
Farm ICCAT Ref. No.	AT001MAR00004
Farm State	Maroc
Farm Operating Company	
Observer Name	HADJ BOUSSAAD KHAYREDDINE
Observer ICCAT ID No	455
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	08/08/2023		ALGER
Date of mobilisation	09/08/2023		
Arrival to port / farm	09/08/2023		LARACHE
Request dates	10/08/2023	19/09/2023	
Deployment period	10/08/2023	19/09/2023	
Departure from port / farm	20/09/2023		
Return home	22/09/2023		
Debriefing	21/09/2023	21/09/2023	TUNIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-031	314	60138,57	MA23900599
MAR-032	640	125576,89	MA23900611
MAR-033	690	131497,52	MA23900488
MAR-034	729	117962,27	MA23900010
MAR-035	329	63120,5	MA23900425
MAR-036	775	135291,26	MA23900117
MAR-037	620	123229,51	MA23900015
MAR-038	682	134925,57	MA23900008

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	11/08/2023	Bulk Harvest	MAR-038	Yes	Yes		
2	12/08/2023	Bulk Harvest	MAR-038	Yes	Yes		
3	13/08/2023	Bulk Harvest	MAR-038	Yes	Yes		
4	14/08/2023	Bulk Harvest	MAR-038	Yes	Yes		
5	15/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
6	16/08/2023	Bulk Harvest	MAR-038	Yes	Yes		
7	16/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
8	17/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
9	18/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
10	19/08/2023	Bulk Harvest	MAR-037	Yes	Yes		
11	20/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
12	21/08/2023	Bulk Harvest	MAR-034	Yes	Yes		
13	21/08/2023	Bulk Harvest	MAR-037	Yes	Yes		
14	22/08/2023	Bulk Harvest	MAR-037	Yes	Yes		
15	23/08/2023	Bulk Harvest	MAR-037	Yes	Yes		
16	24/08/2023	Bulk Harvest	MAR-037	Yes	Yes		
17	24/08/2023	Bulk Harvest	MAR-033	Yes	Yes		
18	26/08/2023	Bulk Harvest	MAR-033	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
19	28/08/2023	Bulk Harvest	MAR-033	Yes	Yes		
20	29/08/2023	Bulk Harvest	MAR-033	Yes	Yes		
21	30/08/2023	Bulk Harvest	MAR-033	Yes	Yes		
22	31/08/2023	Bulk Harvest	MAR-033	Yes	Yes		
23	31/08/2023	Bulk Harvest	MAR-036	Yes	Yes		
24	01/09/2023	Bulk Harvest	MAR-036	Yes	Yes		
25	02/09/2023	Bulk Harvest	MAR-036	Yes	Yes		
26	03/09/2023	Bulk Harvest	MAR-036	Yes	Yes		
27	04/09/2023	Bulk Harvest	MAR-036	Yes	Yes		
28	04/09/2023	Bulk Harvest	MAR-032	Yes	Yes		
29	05/09/2023	Bulk Harvest	MAR-032	Yes	Yes		
30	06/09/2023	Bulk Harvest	MAR-032	Yes	Yes		
31	07/09/2023	Bulk Harvest	MAR-036	Yes	Yes		
32	07/09/2023	Bulk Harvest	MAR-032	Yes	Yes		
33	08/09/2023	Bulk Harvest	MAR-032	Yes	Yes		
34	09/09/2023	Bulk Harvest	MAR-035	Yes	Yes		
35	10/09/2023	Bulk Harvest	MAR-035	Yes	Yes		
36	10/09/2023	Bulk Harvest	MAR-031	Yes	Yes		
37	11/09/2023	Bulk Harvest	MAR-031	Yes	Yes		
38	12/09/2023	Bulk Harvest	MAR-031	Yes	Yes		

- * Harvest operation number: Unique identification field linked to the deployment data set.
- ** Bulk or for Fresh Export or Incidental/Natural Mortality
- *** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	126	45535	126	45535
2	139	48137	139	48137
3	156	48070	156	48070
4	174	48356	174	48356
5	137	49458	137	49458
6	87	30690	87	30690
7	47	16111	47	16111
8	176	48313	176	48313
9	158	48011	158	48011
10	136	49919	136	49919
11	158	44661	158	44661
12	53	16499	53	16499
13	82	28307	82	28307
14	144	47514	144	47514
15	161	46651	161	46651

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
16	97	28947	97	28947
17	60	20087	60	20087
18	148	48435	148	48435
19	161	46952	161	46952
20	154	47880	154	47880
21	152	44093	152	44093
22	15	3864	15	3864
23	121	40075	121	40075
24	134	45250	134	45250
25	97	26084	97	26084
26	183	50421	183	50421
27	148	39364	148	39364
28	33	12696	33	12696
29	154	53442	154	53442
30	174	56794	174	56794
31	92	25243	92	25243
32	90	30055	90	30055
33	188	53034	188	53034
34	183	55319	183	55319

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
35	146	47545	146	47545
36	16	5851	16	5851
37	166	53788	166	53788
38	132	41562	132	41562

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MAR-2023/AUT-MAM/015	MA23900008-HA01	126	45535	Yes	Yes	Yes
2	MAR-2023/AUT-MAM/016	MA23900008-HA02	138	48137	Yes	Yes	Yes
3	MAR-2023/AUT-MAM/021	MA23900008-HA03	156	48070	Yes	Yes	Yes
4	MAR-2023/AUT-MAM/024	MA23900008-HA04	174	45000	Yes	Yes	Yes
5	MAR-2023/AUT-MAM/0027	MA23900010-HA01	137	49458	Yes	Yes	Yes
6	MAR-2023/AUT-MAM/032	MA23900008-HA05	87	30690	Yes	Yes	Yes
7	MAR-2023/AUT-MAM/033	MA23900010-HA02	47	16111	Yes	Yes	Yes
8	MAR-2023/AUT-MAM/036	MA23900010-HA03	176	48313	Yes	Yes	Yes
9	MAR-2023/AUT-MAM/041	MA23900010-HA04	158	48011	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
10	MAR-2023/AUT-MAM/045	MA23900015-HA01	136	49919	Yes	Yes	Yes
11	MAR-2023/AUT-MAM/044	MA23900010-HA05	158	44661	Yes	Yes	Yes
12	MAR-2023/AUT-MAM/054	MA23900010-HA06	53	16499	Yes	Yes	Yes
13	MAR-2023/AUT-MAM/051	MA23900015-HA02	82	28307	Yes	Yes	Yes
14	MAR-2023/AUT-MAM/058	MA23900015-HA03	144	47514	Yes	Yes	Yes
15	MAR-2023/AUT-MAM/061	MA23900015-HA04	161	46651	Yes	Yes	Yes
16	MAR-2023/AUT-MAM/069	MA23900015-HA05	97	28947	Yes	Yes	Yes
17	MAR-2023/AUT-MAM/062	MA23900488-HA01	60	20087	Yes	Yes	Yes
18	MAR-2023/AUT-MAM/071	MA23900488-HA02	148	48435	Yes	Yes	Yes
19	MAR-2023/AUT-MAM/072	MA23900488-HA03	161	46952	Yes	Yes	Yes
20	MAR-2023/AUT-MAM/075	MA23900488-HA04	154	47880	Yes	Yes	Yes
21	MAR-2023/AUT-MAM/077	MA23900488-HA05	152	44093	Yes	Yes	Yes
22	MAR-2023/AUT-MAM/078	MA23900488-HA06	15	3864	Yes	Yes	Yes
23	MAR-2023/AUT-MAM/079	MA23900117-HA01	121	40075	Yes	Yes	Yes
24	MAR-2023/AUT-MAM/081	MA23900117-HA02	134	45250	Yes	Yes	Yes
25	MAR-2023/AUT-MAM/085	MA23900117-HA03	97	26084	Yes	Yes	Yes
26	MAR-2023/AUT-MAM/088	MA23900117-HA04	183	50421	Yes	Yes	Yes
27	MAR-2023/AUT-MAM/090	MA23900117-HA05	148	39364	Yes	Yes	Yes
28	MAR-2023/AUT-MAM/089	MA23900611-HA01	33	12696	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
29	MAR-2023/AUT-MAM/094	MA23900611-HA02	154	53442	Yes	Yes	Yes
30	MAR-2023/AUT-MAM/095	MA23900611-HA03	174	56794	Yes	Yes	Yes
31	MAR-2023/AUT-MAM/098	MA23900117-HA06	92	25243	Yes	Yes	Yes
32	MAR-2023/AUT-MAM/097	MA23900611-HA04	90	30055	Yes	Yes	Yes
33	MAR-2023/AUT-MAM/102	MA23900611-HA05	188	53034	Yes	Yes	Yes
34	MAR-2023/AUT-MAM/105	MA23900425-HA01	183	55319	Yes	Yes	Yes
35	MAR-2023/AUT-MAM/110	MA23900425-HA02	146	47545	Yes	Yes	Yes
36	MAR-2023/AUT-MAM/111	MA23900599-HA01	16	5851	Yes	Yes	Yes
37	MAR-2023/AUT-MAM/112	MA23900599-HA02	166	53788	Yes	Yes	Yes
38	MAR-2023/AUT-MAM/117	MA23900599-HA03	132	41562	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	14	14		0
2	15	15		0
3	15	15		0
4	17	17		0
5	20	20		0
6	15	15		0
7	11	11		0
8	21	21		0
9	17	17		0
10	15	15		0
11	17	17		0
12	9	9		0
13	12	12		0
14	16	16		0
15	19	19		0
16	13	13		0
17	8	8		0
18	20	20		0
19	19	19		0

20	19	19		0
21	18	18		0
22	8	8		0
23	16	16		0
24	17	17		0
25	13	13		0
26	20	20		0
27	16	16		0
28	9	9		0
29	18	18		0
30	19	19		1
31	12	12		0
32	12	12		0
33	21	21		0
34	19	19		0
35	17	17		0
36	11	11		0
37	18	18		0
38	16	16		0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
30	ELECTRONIC	BYP 083875	269	CFL	335	RWT	NO	N/A

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0785	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Maroc
Farm Operating Company	BLUE FARM SARL
Observer Name	YATAGHANE RADOUANE
Observer ICCAT ID No	901
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	03/08/2023	03/08/2023	TIZI-OUZOU ALGERIA
Date of mobilisation	05/08/2023	01/09/2023	
Arrival to port / farm	06/08/2023		LARACHE, MAROC
Request dates	06/08/2023	31/08/2023	
Deployment period	06/08/2023	31/08/2023	
Departure from port / farm	01/09/2023		LARACHE, MAROC
Return home	01/09/2023		
Debriefing	02/09/2023	02/09/2023	Algier Algeria

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-18	710	141908,65	MA23900001
MAR-14	706	141832,12	MA23900002
MAR-13	713	141912,49	MA23900003
MAR-17	711	141887,50	MA23900005
MAR-16	709	141920,05	MA23900007
MAR-12	717	142426,32	MA23900009
MAR-18	710	141908,65	MA23900001

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
N/A				

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	07/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
2	07/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
3	08/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
4	08/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
5	09/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
6	09/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
7	10/08/2023	Bulk Harvest	MAR-018	Yes	Yes		
8	10/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
9	10/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
10	11/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
11	11/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
12	12/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
13	12/08/2023	Bulk Harvest	MAR-014	Yes	Yes		
14	12/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
15	12/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
16	13/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
17	13/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
18	14/08/2023	Bulk Harvest	MAR-017	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
19	14/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
20	15/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
21	15/08/2023	Bulk Harvest	MAR-017	Yes	Yes		
22	15/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
23	15/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
24	16/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
25	16/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
26	17/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
27	17/08/2023	Bulk Harvest	MAR-013	Yes	Yes		
28	17/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
29	17/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
30	18/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
31	18/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
32	19/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
33	19/08/2023	Bulk Harvest	MAR-016	Yes	Yes		
34	19/08/2023	Bulk Harvest	MAR-012	Yes	Yes		
35	20/08/2023	Bulk Harvest	MAR-012	Yes	Yes		
36	20/08/2023	Bulk Harvest	MAR-012	Yes	Yes		
37	21/08/2023	Bulk Harvest	MAR-012	Yes	Yes		
38	21/08/2023	Bulk Harvest	MAR-012	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
39	21/08/2023	Bulk Harvest	MAR-012	Yes	Yes		
40	22/08/2023	Bulk Harvest	MAR-012	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	110	44664	110	44664
2	76	28568	76	28568
3	137	49881	137	49881
4	96	33221	96	33221
5	176	48193	176	48193
6	95	35765	95	35765
7	115	37963	115	37963
8	96	32261	96	32261
9	36	12250	36	12250
10	122	43299	122	43299
11	153	49214	153	49214

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
12	97	31253	97	31253
13	107	34183	107	34183
14	21	7382	21	7382
15	60	20898	60	20898
16	114	42051	114	42051
17	142	51462	142	51462
18	122	41926	122	41926
19	167	56209	167	56209
20	50	13174	50	13174
21	35	9786	35	9786
22	76	28837	76	28837
23	126	48502	126	48502
24	129	40728	129	40728
25	177	57053	177	57053
26	84	24584	84	24584
27	121	36086	121	36086
28	58	18229	58	18229
29	73	21652	73	21652
30	185	56498	185	56498

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
31	97	31336	97	31336
32	132	41660	132	41660
33	164	54099	164	54099
34	14	4689	14	4689
35	125	40970	125	40970
36	154	49191	154	49191
37	120	40444	120	40444
38	154	91094	154	51094
39	1	320	1	320
40	149	47081	149	47081

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MAR-2023/AUT-MAM/001	MA23900001-HA01	110	44664	Yes	Yes	Yes
2	MAR-2023/AUT-MAM/002	MA23900001-HA02	76	28568	Yes	Yes	Yes
3	MAR-2023/AUT-MAM/003	MA23900001-HA03	137	49881	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
4	MAR-2023/AUT-MAM/004	MA23900001-HA04	96	33221	Yes	Yes	Yes
5	MAR-2023/AUT-MAM/005	MA23900001-HA05	176	48193	Yes	Yes	Yes
6	MAR-2023/AUT-MAM/007	MA23900002-HA01	95	35765	Yes	Yes	Yes
7	MAR-2023/AUT-MAM/009	MA23900001-HA06	115	37963	Yes	Yes	Yes
8	MAR-2023/AUT-MAM/012	MA23900002-HA02	96	32261	Yes	Yes	Yes
9	MAR-2023/AUT-MAM/011	MA23900002-HA03	36	12250	Yes	Yes	Yes
10	MAR-2023/AUT-MAM/014	MA23900002-HA04	122	43299	Yes	Yes	Yes
11	MAR-2023/AUT-MAM/013	MA23900002-HA05	153	49214	Yes	Yes	Yes
12	MAR-2023/AUT-MAM/018	MA23900002-HA06	97	31253	Yes	Yes	Yes
13	MAR-2023/AUT-MAM/017	MA23900002-HA07	107	34183	Yes	Yes	Yes
14	MAR-2023/AUT-MAM/020	MA23900005-HA01	21	7382	Yes	Yes	Yes
15	MAR-2023/AUT-MAM/019	MA23900005-HA02	60	20898	Yes	Yes	Yes
16	MAR-2023/AUT-MAM/023	MA23900005-HA03	114	42051	Yes	Yes	Yes
17	MAR-2023/AUT-MAM/022	MA23900005-HA04	142	51462	Yes	Yes	Yes
18	MAR-2023/AUT-MAM/025	MA23900005-HA05	122	41926	Yes	Yes	Yes
19	MAR-2023/AUT-MAM/026	MA23900005-HA06	167	56209	Yes	Yes	Yes
20	MAR-2023/AUT-MAM/029	MA23900005-HA07	50	13174	Yes	Yes	Yes
21	MAR-2023/AUT-MAM/028	MA23900005-HA08	35	9786	Yes	Yes	Yes
22	MAR-2023/AUT-MAM/030	MA23900003-HA01	76	28837	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
23	MAR-2023/AUT-MAM/031	MA23900003-HA02	126	48502	Yes	Yes	Yes
24	MAR-2023/AUT-MAM/034	MA23900003-HA03	128	40728	Yes	Yes	Yes
25	MAR-2023/AUT-MAM/035	MA23900003-HA04	177	57053	Yes	Yes	Yes
26	MAR-2023/AUT-MAM/037	MA23900003-HA05	84	24584	Yes	Yes	Yes
27	MAR-2023/AUT-MAM/038	MA23900003-HA06	121	36086	Yes	Yes	Yes
28	MAR-2023/AUT-MAM/039	MA23900007-HA01	58	18229	Yes	Yes	Yes
29	MAR-2023/AUT-MAM/040	MA23900007-HA02	73	21652	Yes	Yes	Yes
30	MAR-2023/AUT-MAM/043	MA23900007-HA03	185	56498	Yes	Yes	Yes
31	MAR-2023/AUT-MAM/042	MA23900007-HA04	97	31336	Yes	Yes	Yes
32	MAR-2023/AUT-MAM/046	MA23900007-HA05	132	41660	Yes	Yes	Yes
33	MAR-2023/AUT-MAM/047	MA23900007-HA06	164	54099	Yes	Yes	Yes
34	MAR-2023/AUT-MAM/049	MA23900009-HA01	14	4689	Yes	Yes	Yes
35	MAR-2023/AUT-MAM/048	MA23900009-HA02	125	40970	Yes	Yes	Yes
36	MAR-2023/AUT-MAM/053	MA23900009-HA03	154	49191	Yes	Yes	Yes
37	MAR-2023/AUT-MAM/057	MA23900009-HA04	120	40444	Yes	Yes	Yes
38	MAR-2023/AUT-MAM/056	MA23900009-HA05	154	51094	Yes	Yes	Yes
39	MAR-2023/AUT-MAM/056	MA23900009-HA06	1	320	Yes	Yes	Yes
40	MAR-2023/AUT-MAM/060	MA23900009-HA07	149	47081	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	11	11		0
2	17	17		0
3	14	14		0
4	09	09		0
5	17	17		0
6	11	11		0
7	11	11		0
8	10	10		0
9	06	06		0
10	13	13		0
11	16	16		0
12	10	10		0
13	10	10		0
14	04	04		0
15	21	21		0
16	12	12		0
17	13	13		0
18	13	13		0
19	17	17		0

20	06	06		0
21	05	05		0
22	08	08		0
23	13	13		0
24	14	14		0
25	18	18		0
26	11	11		0
27	12	12		0
28	08	08		0
29	09	09		0
30	18	18		0
31	10	10		0
32	13	13		0
33	17	17		0
34	04	04		0
35	13	13		0
36	15	15		0
37	12	12		0
38	15	15		0
39	01	01		0
40	16	16		0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
N/A								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		Maroc		Towing	No	
		Maroc		Towing	No	
		Panama		Carrier	No	
		Maroc		Towing	No	
		Panama		Carrier	No	
		Maroc		Towing	No	
		Maroc		Towing	No	
		Panama		Carrier	No	
		Maroc		Towing	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001MA0786	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Maroc
Farm Operating Company	
Observer Name	Lyazid HAFRAOUI
Observer ICCAT ID No	456
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	15/08/2023		ALGER
Date of mobilisation	16/08/2023		
Arrival to port / farm	16/08/2023		LARACHE
Request dates	17/08/2023	19/09/2023	
Deployment period	17/08/2023	19/09/2023	
Departure from port / farm	20/09/2023		LARACHE
Return home	22/09/2023		
Debriefing	21/09/2023		TUNIS

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
MAR-021	758	149814,52	MA23900729
MAR-022	610	118032,92	MA23900486
MAR-023	720	141711,79	MA23900012
MAR-024	716	141883,99	MA23900006
MAR-026	211	33955,42	MA23900036
MAR-027	723	140468,66	MA23900011
MAR-028	712	141841,77	MA23900004

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
N/A			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
N/A										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
N/A								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
N/A						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
N/A			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
N/A					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
N/A									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
N/A							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
N/A						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
N/A								

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
N/A							

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
N/A										

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
N/A				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
N/A					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
1	19/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
2	20/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
3	21/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
4	22/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
5	23/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
6	23/08/2023	Bulk Harvest	MAR-028	Yes	Yes		
7	23/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
8	23/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
9	24/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
10	24/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
11	25/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
12	28/08/2023	Bulk Harvest	MAR-024	Yes	Yes		
13	29/08/2023	Bulk Harvest	MAR-027	Yes	Yes		
14	30/08/2023	Bulk Harvest	MAR-027	Yes	Yes		
15	31/08/2023	Bulk Harvest	MAR-027	Yes	Yes		
16	01/09/2023	Bulk Harvest	MAR-023	Yes	Yes		
17	02/09/2023	Bulk Harvest	MAR-023	Yes	Yes		
18	03/09/2023	Bulk Harvest	MAR-023	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
19	04/09/2023	Bulk Harvest	MAR-023	Yes	Yes		
20	05/09/2023	Bulk Harvest	MAR-023	Yes	Yes		
21	06/09/2023	Bulk Harvest	MAR-023	Yes	Yes		
22	06/09/2023	Bulk Harvest	MAR-027	Yes	Yes		
23	07/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
24	08/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
25	09/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
26	09/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
27	10/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
28	10/09/2023	Bulk Harvest	MAR-027	Yes	Yes		
29	10/09/2023	Bulk Harvest	MAR-022	Yes	Yes		
30	10/09/2023	Bulk Harvest	MAR-027	Yes	Yes		
31	11/09/2023	Bulk Harvest	MAR-027	Yes	Yes		
32	11/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
33	11/09/2023	Bulk Harvest	MAR-027	Yes	Yes		
34	11/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
35	12/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
36	12/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
37	13/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
38	13/09/2023	Bulk Harvest	MAR-021	Yes	Yes		

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
39	14/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
40	14/09/2023	Bulk Harvest	MAR-026	Yes	Yes		
41	15/09/2023	Bulk Harvest	MAR-021	Yes	Yes		
42	15/09/2023	Bulk Harvest	MAR-026	Yes	Yes		

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
1	127	44780	127	44780
2	143	45120	143	4512
3	155	49910	155	49910
4	147	47060	147	47060
5	75	24195	75	24195
6	65	20936	65	20936
7	65	21725	65	21725
8	82	26665	82	26665
9	123	43891	123	43891

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
10	106	38593	106	38593
11	203	55119	203	55119
12	137	43075	137	43075
13	128	43483	128	43483
14	127	43693	127	43693
15	148	43078	148	43078
16	139	42818	139	42818
17	122	40330	122	40330
18	122	42364	122	42364
19	127	40904	127	40904
20	113	42707	113	42707
21	97	31429	97	31429
22	27	7925	27	7925
23	131	42078	131	42078
24	132	42755	132	42755
25	137	40231	137	40231
26	122	38703	122	38703
27	35	12169	35	12169
28	75	25830	75	25830

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
29	53	17520	53	17520
30	69	22970	69	22970
31	75	21719	75	21719
32	50	17638	50	17638
33	74	21035	74	21035
34	59	20158	59	20158
35	117	40537	117	40537
36	86	28648	86	28648
37	108	35581	108	35581
38	157	52696	157	52696
39	166	49491	166	49491
40	30	8918	30	8918
41	15	6497	15	6497
42	181	55313	181	55313

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
1	MAR-2023/AUT-MAM/050	MA23900004-HA01	127	44780	Yes	Yes	Yes
2	MAR-2023/AUT-MAM/052	MA23900004-HA02	143	45120	Yes	Yes	Yes
3	MAR-2023/AUT-MAM/055	MA23900004-HA03	155	49910	Yes	Yes	Yes
4	MAR-2023/AUT-MAM/059	MA23900004-HA04	147	47060	Yes	Yes	Yes
5	MAR-2023/AUT-MAM/064	MA23900004-HA05	75	24195	Yes	Yes	Yes
6	MAR-2023/AUT-MAM/063	MA23900004-HA06	65	20936	Yes	Yes	Yes
7	MAR-2023/AUT-MAM/066	MA23900006-HA01	65	21725	Yes	Yes	Yes
8	MAR-2023/AUT-MAM/065	MA23900006-HA02	82	26665	Yes	Yes	Yes
9	MAR-2023/AUT-MAM/068	MA23900006-HA03	123	43891	Yes	Yes	Yes
10	MAR-2023/AUT-MAM/067	MA23900006-HA04	106	38593	Yes	Yes	Yes
11	MAR-2023/AUT-MAM/070	MA23900006-HA05	203	55119	Yes	Yes	Yes
12	MAR-2023/AUT-MAM/073	MA23900006-HA06	137	43075	Yes	Yes	Yes
13	MAR-2023/AUT-MAM/074	MA23900011-HA01	128	43483	Yes	Yes	Yes
14	MAR-2023/AUT-MAM/076	MA23900011-HA02	127	43693	Yes	Yes	Yes
15	MAR-2023/AUT-MAM/080	MA23900011-HA03	148	43078	Yes	Yes	Yes
16	MAR-2023/AUT-MAM/083	MA23900012-HA01	139	42818	Yes	Yes	Yes
17	MAR-2023/AUT-MAM/084	MA23900012-HA02	122	40330	Yes	Yes	Yes
18	MAR-2023/AUT-MAM/087	MA23900012-HA03	122	42364	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
19	MAR-2023/AUT-MAM/091	MA23900012-HA04	127	40904	Yes	Yes	Yes
20	MAR-2023/AUT-MAM/092	MA23900012-HA05	113	42707	Yes	Yes	Yes
21	MAR-2023/AUT-MAM/096	MA23900012-HA06	97	31429	Yes	Yes	Yes
22	MAR-2023/AUT-MAM/093	MA23900011-HA04	27	7925	Yes	Yes	Yes
23	MAR-2023/AUT-MAM/100	MA23900486-HA01	131	42078	Yes	Yes	Yes
24	MAR-2023/AUT-MAM/101	MA23900486-HA02	132	42755	Yes	Yes	Yes
25	MAR-2023/AUT-MAM/103	MA23900486-HA03	137	40231	Yes	Yes	Yes
26	MAR-2023/AUT-MAM/104	MA23900486-HA04	122	38703	Yes	Yes	Yes
27	MAR-2023/AUT-MAM/106	MA23900486-HA05	35	12169	Yes	Yes	Yes
28	MAR-2023/AUT-MAM/108	MA23900011-HA05	75	25830	Yes	Yes	Yes
29	MAR-2023/AUT-MAM/107	MA23900486-HA06	53	17520	Yes	Yes	Yes
30	MAR-2023/AUT-MAM/109	MA23900011-HA06	69	22970	Yes	Yes	Yes
31	MAR-2023/AUT-MAM/113	MA23900011-HA07	75	21719	Yes	Yes	Yes
32	MAR-2023/AUT-MAM/115	MA23900729-HA01	50	17638	Yes	Yes	Yes
33	MAR-2023/AUT-MAM/114	MA23900011-HA08	74	21035	Yes	Yes	Yes
34	MAR-2023/AUT-MAM/116	MA23900729-HA02	59	20158	Yes	Yes	Yes
35	MAR-2023/AUT-MAM/118	MA23900729-HA03	117	40537	Yes	Yes	Yes
36	MAR-2023/AUT-MAM/119	MA23900729-HA04	86	28648	Yes	Yes	Yes
37	MAR-2023/AUT-MAM/120	MA23900729-HA05	108	35581	Yes	Yes	Yes

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
38	MAR-2023/AUT-MAM/121	MA23900729-HA06	152	52696	Yes	Yes	Yes
39	MAR-2023/AUT-MAM/122	MA23900729-HA07	166	49491	Yes	Yes	Yes
40	MAR-2023/AUT-MAM/123	MA23900036-HA01	30	8918	Yes	Yes	Yes
41	MAR-2023/AUT-MAM/124	MA23900729-HA08	15	6497	Yes	Yes	Yes
42	MAR-2023/AUT-MAM/125	MA23900036-HA02	181	55313	Yes	Yes	Yes

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
N/A	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
1	16	16		0
2	16	16		0
3	17	17		0
4	18	18		0
5	10	10		0
6	9	9		0
7	9	9		0
8	10	10		0
9	13	13		0
10	15	15		0
11	23	23		0
12	16	16		0
13	17	17		1
14	15	15		1
15	16	16		0
16	17	17		1
17	16	16		0
18	16	16		0
19	15	15		0
20	13	13		0

21	12	12		0
22	5	5		0
23	15	15		0
24	15	15		0
25	15	15		0
26	15	15		0
27	5	5		0
28	10	10		0
29	6	6		0
30	8	8		0
31	10	10		0
32	8	8		1
33	10	10		0
34	7	7		0
35	13	13		0
36	10	10		0
37	14	14		0
38	18	18		0
39	20	20		0
40	5	5		0
41	5	5		0
42	20	20		0

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
13	Single spaghetti tag	AAB004609	274	CFL	376	Round weight	No	n/a
14	Single spaghetti tag	BYP 074430	268	CFL	353	Round weight	No	n/a
16	Single spaghetti tag	BYP053477	246	CFL	233	Round weight	No	n/a
32	Electronic PIT tag	2128 2833	274	CFL	346	Round weight	No	n/a

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	
		Panama		Carrier	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report

ICCAT ROP-BFT 2023-2024



**Observer Deployment Final Report
Deployment on Farming Facilities**

Deployment Request Number: 001TN0789	
Farm Name	
Farm ICCAT Ref. No.	
Farm State	Tunisie
Farm Operating Company	
Observer Name	Lyazid YAKOUBI
Observer ICCAT ID No	463
Signature	

Deployment details

Activity	Date from (dd/mm/yyyy)	Date to (dd/mm/yyyy)	Comment
Briefing	28/08/2023		France
Date of mobilisation	29/08/2023		
Arrival to port / farm	29/08/2023		MAHDIA TUNISIA
Request dates	30/08/2023	03/09/2023	
Deployment period	30/08/2023	03/09/2023	
Departure from port / farm	04/09/2023		MAHDIA TUNISIA
Return home	05/09/2023		
Debriefing	05/09/2023		ALGER

1. Quantity of bluefin tuna on the farm at time of arrival

Table 1: Summary of bluefin tuna per cage

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUN-201-TT	277	0	MA23900441
TUN-201-TT	1572	0	TN23900014-LT01-CG01
TUN-202-TT	313	0	MA23900482
TUN-202-TT	1776	0	TN23900019-CG01
TUN-203-TT	79	0	MA239000477-CG01
TUN-203-TT	446	0	TN23900015-CG01
TUN-204-TT	282	0	MA23900482-CG02
TUN-204-TT	1599	0	TN23900019-CG02
TUN-205-TT	227	0	MA23900478-CG01
TUN-205-TT	1285	0	TN23900016-CG01
TUN-206-TT	306	0	MA23900478-CG02
TUN-206-TT	1734	0	TN23900016-CG02
TUN-206-TT			MA23900478-CG02
TUN-207-TT	277	0	MA23900379-CG01
TUN-207-TT	1570	0	TN23900013-CG01
TUN-208-TT	236	0	MA23900477-CG02
TUN-208-TT	1338	0	TN23900015-CG02
TUN-209-TT	218	0	MA23900379-CG02
TUN-209-TT	1234	0	TN23900013-CG02
TUN-211-TT	0	0	N/A

Cage number	Number of tuna (n)	Amount of fish (kg)	eBCD numbers
TUN-CO22-201-TT	605	0	TN2290000-LT01-CG01-MC01
TUN-CO22-202-TT	80	0	MA22900014-CG01-MC01
TUN-CO22-202-TT	55	0	MA22900017
TUN-CO22-202-TT	98	0	TN22900004-LT01-CG01-MC01
TUN-CO22-203-TT	150	0	MA22900016
TUN-CO22-203-TT	112	0	MA22900027
TUN-CO22-203-TT	573	0	TN22900003-LT01-CG01-MC01
TUN-CO22-203-TT	118	0	TN22900012-LT01-CG01-MC01
TUN-CO22-209-TT	265	0	DZ22900003-MC01
TUN-CO22-209-TT	258	0	DZ22900005-LT01-CG01-MC01
TUN-CO22-209-TT	166	0	DZ22900009-CG01-MC01

Information on the farm contents was provided by the farm manager.
Refer to Cage Plan, Annex 1

2. Summary of all Caging activities

Table 2: Summary of Caging Authorisation Records

Caging Operation #*	Authorisation Records		
	Auth. #	#	kg
NA			

* Caging operation number: Unique identification field linked to the deployment data set

Table 3: Summary of Caging Operations

Caging Op #*	Start		Towing Vessel / Trap Name	Towing Vessel / Trap ICCAT #	Towing Cage #	Farm Cage #	Caging Type**	Method***	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
	Date	Time								
NA										

* Caging Operations as in Table 2.

** Standard / Inter-farm Transfer / Trap

*** Mooring; or a caging from a trap or towing cages to a farm cage

Table 3a: Summary of Control Caging Operations

Caging Op #*	Control Op #**	Before / After caging	Start		Donor Cage #	Receiving Cage #	ICD signed by Obs. (Yes / No)	eBCD signed by Obs. (Yes / No)
			Date	Time				
NA								

* Caging Operations as in Table 2.

** Control caging operation number: Unique identification field linked to the deployment data set

Table 4: Farm and Observer estimates of caged tuna

Caging Op #*	Control Op #**	Alive or dead	Farm estimate		Observer Estimate	
			#	kg	#	kg
NA						

* Caging operations as per Table 3.

** Control caging operations as per Table 3a.

The observer was not able to estimate the weight of tuna caged.

Table 5: Breakdown of caging records

Caging Op #*	Group eBCD # / eBCD #	ICD document #	#	kg
NA				

* Caging operations as per Table 2.

Table 6: Breakdown of group eBCD

Caging Op #*	Group eBCD#	Associated eBCD #s	Kg
NA			

* Caging operation as per Table 2.

Table 7: Video records used to estimate the quantity of fish caged

Caging Op #*	Control Op #*	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # caged (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
NA						

* Caging operations as per Table 2.

** Control caging operations as per Table 3a.*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

3. Inter-farm transfers

Table 8: Summary of Transfer Authorisation Records

Transfer Op #*	Prior-Transfer Notification (PTN)			Transfer Authorisation	
	BFT #	BFT kg	Verification**	Auth. #	Verification**
NA					

* Transfer operation number: Unique identification field linked to the deployment data set.

Table 9: Summary of Inter-farm transfer operations

Transfer Op #*	Start		Donor cage #	Destination farm name	Destination farm ICCAT #	Towing Vessel	Towing Vessel ICCAT #	Towing Cage #	ITD signed by Obs. (Yes / No)
	Date	Time							
NA									

* Transfer operation number as per table 8.

Table 9a: Summary of Voluntary and Control Transfer Operations

Transfer Op #*	Voluntary / Control Transfer Op #	Voluntary or Control	Start		Donor Cage #	Receiving Cage #	ITD signed by Obs. (Yes / No)
			Date	Time			
NA							

* Transfer operation number as per table 8.

Table 10: Farm and Observer estimates of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive or dead	Farm Estimate & Control Records		Observer Estimate	
			#	kg	#	kg
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 11: Farm records of transferred tuna

Transfer Op #*	Voluntary / Control Transfer Op #**	Alive / Dead	Farm Records			
			ITD	eBCD	# (n)	Wt (kg)
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

Table 12: Video records used to estimate the quantity of fish transferred

Transfer Op #*	Voluntary or Control Op #**	Transfer recorded by Video camera (Yes / No)	Video Quality***	Video of sufficient quality to determine # transferred (Yes / No)	Cage seals shown at end of video (Yes / No)	Cage seal identification numbers
NA						

* Transfer operations as per Table 8.

** Control transfer operations as per Table 9a.

*** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

4. Tuna Releases

Table 13: Summary of Prior to Release Segregation Operations

Release Op #*	Prior segregation Operation #**	Release order reference #	Start		Farm Cage #	Transport cage #	Towing vessel name	Towing vessel ICCAT #
			Date	Time				
0	1	TUN-2023/AUT088/REL	01/09/2023	08:16	TUN-205-TT	TUN-211-TT	HASSEN	AT000TUN00008

* Release operation number: Unique identification field linked to the deployment data set.

** Prior segregation operation number: Unique identification field linked to the deployment data set.

Table 14: Video records used to estimate the quantity of fish transferred in prior segregation operations

Prior segregation Operation #*	Transfer recorded by Video camera (Yes / No)	Video Quality**	Estimate of # of BFT possible (Yes / No)	Farm estimate and records			Observer estimate
				#	kg	eBCD	#
1	Yes	3	Yes	227	18166,005	MA23900478-CG01	660
1	Yes	3	Yes	1285	102833,995	TN23900016-CG01	660

* Prior segregation Operation # as per Table 13.

** Rate from 1 to 5 (1 = very poor; 2 = poor, 3 = average; 4= good 5 = excellent).

Table 15: Summary of Tuna Release Operations

Release Op #*	Type of release**	Start		Towing vessel name	Towing vessel ICCAT #	Transport cage #	Release recorded by Video camera (Yes / No)	Release required distance from farm (Yes / No)	Release report produced (Yes / No)	Release report validated by observer (Yes / No)
		Date	Time							
1	caging	01/09/2023	17:58	HASSEN	AT000TUN00008	TUN-211-TT	Yes	Yes	Yes	Yes

* Release operation number: Unique identification field linked to the deployment data set.

** Caging, control operation or harvest

5. Within Your Own Farm Transfer

Table 16: Transfer activities between cages for within-farm transfers (not including prior to release segregation)

Op #*	Date	Cage #		Authorisation #
		From	To	
NA				

* Operation number: Unique identification field linked to the deployment data set.

Table 17: Farm and Observer records for bluefin tuna transferred

Op #*	Farm Estimate and Records			Observer Estimate	
	# (n)	Wt (kg)	eBCD / (s)	Estimate of number transferred based on video possible (Yes / No)	# (n)
NA					

* Intra farm transfer operations as per Table 16.

6. Summary of Harvest Operations

Table 18: Tuna Harvest Operations

Harvest Op #	Date	Type**	Farm Cage #	Harvest / Processing authorisation (Yes / No)	Operation observed (Yes / No)	Processing Vessel***	
						Name	ICCAT #
NA							

* Harvest operation number: Unique identification field linked to the deployment data set.

** Bulk or for Fresh Export or Incidental/Natural Mortality

*** Only required in case of bulk harvests

Table 19: Farm and Observer estimates for total amount of bluefin tuna removed from the farm

Harvest Op #*	Observer Estimate		Farm Estimate	
	Harvested		Harvested	
	#	kg	#	kg
NA				

* Harvest operation as per Table 18.

Table 20: Farm records for bluefin tuna removed from the farm

Harvest Op #*	Farm Estimate				Harvest / Processing Declaration produced (Yes / No)	Harvest / Processing Declaration signed (Yes / No)	eBCD signed by the observer (Yes / No)
	Documents		Estimate				
	Harvest processing declaration #	eBCD #	#	Kg			
NA							

* Harvest operation as per Table 18.

7. Checklist of requirements under ICCAT conservation and management measures

Table 21. Summary of observed farms compliance

Potential Non-compliance Event	Operation Type & Number *
NA	

* Caging operation as per Table 2, Inter-farm transfer as per table 8, Release operation as per table 13, Within farm transfer as per table 16, Harvest Operation as per Table 18.

8. Sampling

Table 22. Summary of sampling performed

Harvest op #*	# fish measured for Length	# fish measured for Weight	# Biological sample Collected	# tags
NA				

* Harvest operation as per Table 18.

Table 23. Summary of tag recoveries

Harvest op #*	Type of tag	Tag number/s	Length (cm)	Length type	Weight (kg)	Weight type	Sample Collected (Yes / No)	Sample type
NA								

* Harvest operation as per Table 18.

Appendix 1: Farm Cage Plan

Farm plan provided by the operator.

Appendix 2: Vessel sightings

Table 24. Summary of vessel sightings

Vessel Name	ICCAT #	Flag	IRCS	Role*	PNC observed (Yes / No)	Notes
		Tunisie		Dive	No	
		Tunisie		Towing	No	
		Tunisie		Farm	No	
		Tunisie		Farm	No	
		Tunisie		Farm	No	

* Carrier, Catching, Dive, Farm, Inspection, Support, Towing, Other.

Appendix 3: Details of sampling performed on fish

Refer the sampling tab in the excel report