

INTER-AMERICAN TROPICAL TUNA COMMISSION

SCIENTIFIC ADVISORY COMMITTEE

EIGHTH MEETING

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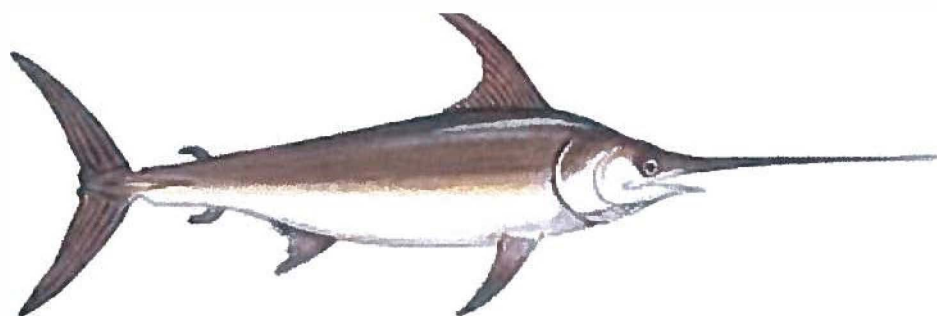
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Relatório Final de Viagem

BALUEIRO CUIB8

Observador Silvestre Ramos Natário - 8 de Fevereiro de 2017



Empresas intervenientes :



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Introdução

O presente relatório, é um documento elaborado pelo observador Silvestre Natário colaborador da empresa Promarinha que relata a missão a sua missão no navio BALUEIRO CUIB 8. O embarque iniciou-se no dia 29 de Novembro 2016 no porto de Paita -Peru e terminou a 19 de Janeiro 2017 no meio do Pacífico. O observador fez transbordo para o navio Puntal de Agüete com registo em Vigo, para regressar a terra tendo chegado ao porto de Callau, Lima-Peru no dia 2 de Fevereiro 2017.

O observador assistiu diariamente a todos os lances realizados no Navio Balueiro, tendo registado os dados biométricos das capturas que vinham a bordo. As capturas encontram-se reportadas nas folhas de registo em anexo.

Áreas de pesca

A pesca ao Espadarte foi efectuada em águas internacionais, mais propriamente na zona FAO 87 que é denominada Pacífico Sudoeste.

Arte

A arte de pesca usado pelo navio Balueiro foi o palangre de superfície dirigida ao espadarte SWO (*Xiphias gladius*). Esta arte, tem como metodologia o uso de vários anzóis, anzóis estes com a forma J, auxiliado de bóias e lâmpadas. As bóias usadas a bordo foram de dois tipos, uma com um diâmetro de 60 cm que era acompanhado de rádio baliza/GPS e outras com diâmetro de 30 cm.

Todos os anzóis utilizados, eram iscados com isco morto mais propriamente com cavala e sardinha. Cada anzol também era acompanhado de uma lâmpada fluorescente de cor verde.

Processamento

O peixe pescado e retido a bordo era processado da seguinte forma: primeiramente era medido, depois descabeçado, eviscerado e por fim lavado. Depois de lavado era devidamente condicionado no túnel de congelação a uma temperatura de -50°C durante 12 horas. Uma vez que o peixe atingi-se o ponto de congelação exigido, era retirado do túnel de congelação para ser estivado no porão.

A espécie SWO (*Xiphias gladius*) antes de ser estivada no porão a uma temperatura de -35 °C, era colocado numa manga plástica e numa manga de tecido elástico onde era devidamente etiquetado. A etiqueta era composta pelo nome científico da espécie, número de lote, número de registo sanitário, método de produção e zona de captura.

No caso dos tubarões *Isurus oxyrinchus* (SMA) e do tubarão *Prionace glauca* (BSH), as suas barbatanas eram semi-cortadas do tronco e fixas ao corpo com uma fita-cola apropriada, esta técnica de processamento cumpria com as exigências REG.(EU) N°605/2013 do parlamento Europeu e do conselho de 12 de Junho de 2013.

Capturas e estimativas

Os pesos das capturas foram estimadas através das tabelas de relação tamanho/peso para cada espécie. Tabeas estas, do Instituto Espanhol de Oceanografia-Centro Costero de A Coruña.

FAO	Nome Cientifico	Peso processado
ALB	Thunnus alalunga	33
BUM	Makaira nigricans	745
LEC	Lepidocybium flavobrunneum	723
WAH	Acanthocybium solandri	723
Total		34762

Diário de Pesca

Durante a minha estadia não houve nenhuma ocorrência que impedisse o envio do diário de pescas a DGRM Portugal, como também o Monicap sempre funcionou sem qualquer problema.

Inspeções

Durante a minha estadia não houve nenhuma inspeção.

Resumo das capturas totais retidas a bordo

Resumo das capturas totais durante o pedido de 6/12/2016 até 14/02/2017.

FAO	Nome Cientifico	Peso processado
SWO	Xiphias gladius	23026
SMA	Isurus oxyrinus	585
BSH	Prionace glauca	8656
BET	Thunnus obesus	233
YFT	Thunnus albacares	28

Outras Informações

O observador Silvestre Natário aproveita esta secção do relatório para dizer que foi excelentemente tratado durante toda a sua missão. O observador afirma que o sucesso da sua missão deve-se em grande parte a toda a tripulação, onde esta colaborou sem qualquer hesitação. A colaboração do Capitão Arturo Vidal ,como a do 1º Oficial Jesus, foram excepcionais dispondo qualquer material ou informação que fosse necessário para completar a missão com sucesso.

O observador também aproveita este mesmo espaço para tecer elogios aos cozinheiros, onde foi incrivelmente bem recebido e bem tratado.

Para a finalizar este documento, o observador também quer agradecer ao Capitão do Navio Puntal de Agnete Ramon Juncal pela disponibilidade e excelente recepção na viagem de retorno a terra .

Anexos

Os seguintes documentos são as folhas de registo diário da missão. Estas foram passadas a limpo, visto que as originais estão degradadas e contaminadas de sangue. É de salientar que apenas foi registado um evento relacionado com tartarugas. O único evento da tartaruga, correu de maneira simples, esta não veio a bordo porque a mesma soltou-se prontamente quando o cabo foi puxado. Relativamente as aves, não ocorreu nenhuma ocorrência muito devido a área que estávamos a pescar, e também porque a maioria dos lançamentos de aparelho terem sido realizados depois do por do sol.

LONGLINE GEAR FORM

F2

VESSEL: Balueiro - CUIB8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

Registration	OLHAO 0-2178-N	Length	39,2 m	Fuel capacity	66034 gal	Number of crew	17
Company name	Torres & Gago	Width	8,4 m	Fuel used	26144 gal	Water capacity	3170 gal
Captain Name	Arturo Vidal	Draft	4,6 m	Type of fuel	Diseal	Catch conserve method	Freon
Departure date/time	30-11-2016; 12:00	Distance deck to water	0,8 m	Type (fibra-mother ship)	-	If the vessel is a 'fibra', ↓ name of mother ship ↓	
Arrival date/time	2-02-2017; 20:00	Well capacity	119 m ³	Number of fibras	-	-	
Departure port	Paita-Peru	Main motor	1000HP	Navigation and fishing equipment:			
Arrival port	Callau-Peru	Aux. motor	2 x 360HP				

Characteristics	Quantity	Material *	Diameter	Length	Color *	Distance btwn. hooks ↓	Max. hooks on mainline ↓	Number of lights ↓	Number of radio buoys ↓
Mainline		3	3,6 mm	70 Nm	11	88 m	1400	1400	18
Upper gangion		x	1,5 mm	30 fath	11	Mainline weights: Yes (x) No ()		Mainline retrieval By hand () Manual crank () Hydraulic crank (x) Other _____ ()	
Middle gangion		x	1,5 mm	45 fath	11				
Lower gangion		x	1,5 mm	60 fath	11	Dropline connection to mainline: Knots () Snaps (x)			
Floatline / dropline		3		x cm	2	Fishing gear diagram			
Buoy	Max 18 GPS	8	60 cm		4				
Flag	0	-			-				
Float	360	8	35 cm		3-4				

Hooks	Type (J/C)	Size	J-straight/J-curved	Material*	Manufacturer	Offset	Ring (Yes/No)	Other details	Observations
Hook A	J	6,5 cm	J-Straight	16	Mustad	-	NO		Blue and green lamps on each hook
Hook B									
Hook C									

* Use numbers from code tables

F2s v2: 02/2012

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	1	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 6-12-2016	LAT	18°23	17°53	17°41	18°32	1100	1100			Bait 1	Scomber scombrus	100		
	LON	92°56	92°57	92°46	92°54					Total no. of hooks in set:	1100	Bait 2		
	TIME	0:30	5:30	12:45	23:30					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 21,4	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	2	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 6-12-16	LAT	18°32	17°43	18°05	18°18	1100	1100			Bait 1	Scomber scombrus	100		
	LON	92°54	92°49	92°59	92°56					Total no. of hooks in set:	1100	Bait 2		
	TIME	23:45	5:45	10:00	0:41					No. of hooks lost:	-	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 21,6	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	3	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 7-12-16	LAT	18°19	17°40	17°49	17°42	1100	1100			Bait 1	Scomber scombrus	100		
	LON	92°55	92°39	92°54	92°45					Total no. of hooks in set:	1100	Bait 2		
	TIME	0:42	6:40	9:50	2:00					No. of hooks lost:	1	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 21,6	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

Set number	4	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 10-12-16	LAT	20°58	21°31	21°44	21°08	1400				Bait 1	Scomber scombrus	75		
	LON	96°08	96°15	96°03	96°12					Total no. of hooks in set:	1400	Bait 2	Sardinella aurita	25
	TIME	23:25	3:55	9:01	22:45					No. of hooks lost:	0	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	22,4	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Patrolled? <input type="checkbox"/> End to start <input type="checkbox"/>														

Observations: **X**

Set number	5	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 11-12-16	LAT	21°05	21°24	21°31	20°52	1300				Bait 1	Scomber scombrus	75		
	LON	96°12	96°28	96°18	96°24					Total no. of hooks in set:	1300	Bait 2	Sardinella aurita	25
	TIME	22:53	22:53	9:28	21:30					No. of hooks lost:	-	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	22,4	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Patrolled? <input type="checkbox"/> End to start <input type="checkbox"/>														

Observations: **X**

Set number	6	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 12-12-16	LAT	20°52	21°47	21°24	96°21	1800				Bait 1	Scomber scombrus	75		
	LON	96°23	96°20	96°29	21°48					Total no. of hooks in set:	1800	Bait 2	Sardinella aurita	25
	TIME	21:35	5:00	8:55	2:10					No. of hooks lost:	-	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	22,6	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
Patrolled? <input type="checkbox"/> End to start <input type="checkbox"/>														

Observations: **X**

LONGLINE SET FORM

F3

 VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

 OBSERVER: Silvestre Ramos Natário

Set number	7	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 14-12-16	LAT	21°49	21°28	21°46	20°53	1250	1250			Bait 1	Scomber scombrus	75		
	LON	98°25	98°49	98°24	98°38					Total no. of hooks in set:	1250	Bait 2	Sardinella aurita	25
	TIME	15:00	3:18	x	19:55					No. of hooks lost:		Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,6	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

 Observations: **X**

Set number	8	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 14-12-16	LAT	20°53	21°38	21°19	21°02	1250	1250			Bait 1	Scomber scombrus	75		
	LON	98°38	98°16	98°47	98°23					Total no. of hooks in set:	1250	Bait 2	Sardinella aurita	25
	TIME	20:04	2:53	8:48	22:20					No. of hooks lost:	-	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,8	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

 Observations: **X**

Set number	9	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 16-12-16	LAT	21°00	21°38	21°19	21°02	1100	1100			Bait 1	Scomber scombrus	75		
	LON	98°23	98°16	98°47	98°23					Total no. of hooks in set:	1100	Bait 2	Sardinella aurita	25
	TIME	22:30	2:53	8:48	22:20					No. of hooks lost:	-	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,8	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

 Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	10	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 17-12-16	LAT	21°45	21°04	21°29	21°02	1200	1200			Bait 1	Scomber scombrus	75		
	LON	98°07	97°53	97°56	97°57					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	21:40	6:00	9:35	2:10					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	Sea surf. temp. 23,5	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							

Observations: **X**

Set number	11	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 19-12-16	LAT	19°38	18°40	19°37	18°43	1244	1244			Bait 1	Scomber scombrus	75		
	LON	99°25	99°23	99°27	99°22					Total no. of hooks in set:	1244	Bait 2	Sardinella aurita	25
	TIME	17:15	0:35	9:40	19°41					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	Sea surf. temp. 23,5	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							

Observations: **X**

Set number	12	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 19-12-16	LAT	18°40	19°36	19°32	18°46	1184	1184			Bait 1	Scomber scombrus	75		
	LON	99°23	99°36	99°39	99°20					Total no. of hooks in set:	1184	Bait 2	Sardinella aurita	25
	TIME	23:25	7:15	9:10	20:29					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	Sea surf. temp. 23,6	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

Set number	13	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 20-12-16	LAT	18°39	19°38	19°37	18°46	1200				Bait 1	Scomber scombrus	75		
	LON	99°21	99°28	99°33	99°20					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	22:15	5:12	9:00	20:39					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,2	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	14	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 21-12-16	LAT	18°39	19°34	19°33	18°47	1200				Bait 1	Scomber scombrus	75		
	LON	99°33	99°40	99°45	99°45					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:12	5:12	4:05	20:45					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,4	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	15	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 22-12-16	LAT	18°34	19°32	19°29	18°36	1200				Bait 1	Scomber scombrus	75		
	LON	99°15	99°21	99°25	99°14					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:12	5:50	9:03	21:03					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,4	No. hooks btwn. floats 5	Avg. hook depth 24 fath	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	16	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 23-12-16	LAT	18°32	19°28	19°28	18°39	1200	1200			Bait 1	Scomber scombrus	75		
	LON	99°25	99°33	99°39	99°24					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	22:30	5:30	12:45	23:20					No. of hooks lost:	0	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>	23,3	5	24	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: X

Set number	17	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 24-12-16	LAT	18°33	19°22	19°16	18°32	1030	1030			Bait 1	Scomber scombrus	75		
	LON	99°13	99°13	99°20	99°14					Total no. of hooks in set:	1030	Bait 2	Sardinella aurita	25
	TIME	21:10	3:30	9:57	18°05					No. of hooks lost:	0	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>	23,5	5	24	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: X

Set number	18	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 25-12-16	LAT	18°38	19°34	19°31	18:42	1200	1200			Bait 1	Scomber scombrus	75		
	LON	99°28	99°31	99°35	99°25					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:50	6:50	9:00	20:15					No. of hooks lost:	0	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>	23,3	5	24	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	19	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 26-12-16	LAT	18°39	19°38	19°38	18°48	1200				Bait 1	Scomber scombrus	75		
	LON	99°45	99°48	99°38	99°42					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	22:40	5:45	9:00	20:15					No. of hooks lost:	2	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,5	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Observations: X

Set number	20	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 27-12-16	LAT	18°43	19°38	19°36	18°50	1200				Bait 1	Scomber scombrus	75		
	LON	99°52	100°00	100°06	99°51					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:18	5:55	8:55	20:10					No. of hooks lost:	1	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,3	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Observations: X

Set number	21	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 28-12-16	LAT	18°44	19°41	19°37	18°53	1100				Bait 1	Scomber scombrus	75		
	LON	99°59	100°13	100°17	100°00					Total no. of hooks in set:	1100	Bait 2	Sardinella aurita	25
	TIME	23:55	7:05	9:43	21:05					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,3	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	22	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 29-12-16	LAT	18°31	19°26	18°35	19°26	1200	1200			Bait 1	Scomber scombrus	75		
	LON	99°45	99°53	99°43	100°00					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:00	5:37	9°10	20:05					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,6	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	23	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 30-12-16	LAT	19°06	18°10	18°15	19:08	1200	1200			Bait 1	Scomber scombrus	75		
	LON	100°00	99°53	99°52	100:05					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	22:47	5:40	19:28	22:40					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,9	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

Set number	24	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 31-12-16	LAT	19°29	18°36	18°40	19°29	1200	1200			Bait 1	Scomber scombrus	75		
	LON	99°55	99°45	99°44	100°01					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	20°58	3:40	9:58	20:30					No. of hooks lost:	0	Bait 3		
Target Fishery SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Retrieval direction Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp. 23,6	No. hooks btwn. floats 5	Avg. hook depth 24	Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	25	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 1-01-17	LAT	19°49	18°19	18°22	19°17	1200	1200			Bait 1	Scomber scombrus	75		
	LON	100°0	99°55	99°53	100°13					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	6:22:20	6:30	10:10	21:29					No. of hooks lost:	0	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,8	5	24	Yes	No						
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>					<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations: **X**

Set number	26	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 2-01-16	LAT	19°35	18°41	18°46	19°32	1200	1200			Bait 1	Scomber scombrus	75		
	LON	100°20	100°15	100°15	100°33					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	23:25	6:15	9:35	21:00					No. of hooks lost:	0	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,8	5	24	Yes	No						
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>					<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations: **X**

Set number	27	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total			
		Start	End	Start	End									
↓ Date ↓ 3-1-16	LAT	19°28	18°34	18°40	19°29	1200	1200			Bait 1	Scomber scombrus	75		
	LON	100°15	100°00	99°58	100°25					Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	25
	TIME	22:59	6:23	9:35	1:14					No. of hooks lost:	0	Bait 3		
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?							
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,5	5	24	Yes	No						
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>					<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	28	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 4-1-17	LAT	19°44	18°53	19°44	18°57	1200	1200			Bait 1	Scomber scombrus	75	
	LON	100°36	100°19	100°45	100°24					Total no. of hooks in set:	Bait 2	Sardinella aurita	25
	TIME	22:58	6:00	8:10	19:30					No. of hooks lost:	0	Bait 3	
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,4	5	24	Yes	No					
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations: **X**

Set number	29	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 6-1-16	LAT	18°54	18°52	18°56	18°53	1400	1400			Bait 1	Scomber scombrus	75	
	LON	100°21	100°35	100°27	100°37					Total no. of hooks in set:	Bait 2	Sardinella aurita	25
	TIME	20:02	10:08	11:55	6:35					No. of hooks lost:	0	Bait 3	
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,6	5	24	Yes	No					
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations:

Set number	30	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 8-1-17	LAT	18°15	18°20	18°14	18°20	1100	1100			Bait 1	Scomber scombrus	75	
	LON	101°55	102°09	102°00	102°09					Total no. of hooks in set:	Bait 2	Sardinella aurita	25
	TIME	16°27	6:19	8:56	22:27					No. of hooks lost:	0	Bait 3	
Target Fishery	Set	Yes	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?						
SWO	Special?	<input type="checkbox"/>	Start to end <input checked="" type="checkbox"/>	23,8	5	24	Yes	No					
	Patrolled?	<input type="checkbox"/>	End to start <input type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Observations: **X**

LOGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	31	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 9-1-17	LAT	19°01	18°28	18°19	19°06	1400	1400	1400	0	Bait 1	Scomber scombrus	80	
	LON	102°16	101°52	102°17	102°07					Total no. of hooks in set:	Bait 2	Sardinella aurita	20
	TIME	22:45	6:47	9:45	00:12					No. of hooks lost:	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
	SWO	Patrolled? <input type="checkbox"/>				24,7	5	24					

Observations: **X**

Set number	32	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 11-1-17	LAT	19°08	18°30	18°26	19°09	1300	1300	1300	0	Bait 1	Scomber scombrus	80	
	LON	102°07	102°09	101°56	102°01					Total no. of hooks in set:	Bait 2	Sardinella aurita	20
	TIME	00:35	8:44	10:31	22:50					No. of hooks lost:	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
	SWO	Patrolled? <input type="checkbox"/>				24,7	5	24					

Observations: **X**

Set number	33	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 11-01-17	LAT	19°10	18°27	18:28	19°02	1300	1300	1300	0	Bait 1	Scomber scombrus	80	
	LON	102°05	101°50	102°13	102°12					Total no. of hooks in set:	Bait 2	Sardinella aurita	20
	TIME	23:18	6:23	9:20	23:50					No. of hooks lost:	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end <input checked="" type="checkbox"/>	End to start <input type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
	SWO	Patrolled? <input type="checkbox"/>				24,8	5	24					

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	34	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 13-1-17	LAT	19°04	18°24	18°26	19°07	1200	1200	0	Bait 1	Scomber scombrus	80		
	LON	102°13	102°12	101°5	102°19				Total no. of hooks in set:	1200	Bait 2	Sardinella aurita	20
	TIME	0:12	8:16	10°54	22:55				No. of hooks lost:	0	Bait 3		
Target Fishery	SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?				
					Start to end <input checked="" type="checkbox"/>	24,7	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

Observations: X

Set number	35	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 13-1-17	LAT	19°08	18°57	18°32	18°58	1300	1300	0	Bait 1	Scomber scombrus	80		
	LON	102°17	102°15	102°21	102°12				Total no. of hooks in set:	1300	Bait 2	Sardinella aurita	20
	TIME	23:16	6:05	9:10	23:58				No. of hooks lost:	0	Bait 3		
Target Fishery	SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?				
					Start to end <input checked="" type="checkbox"/>	24,7	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

Observations: X

Set number	36	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total		
		Start	End	Start	End								
↓ Date ↓ 13-1-17	LAT	18°58	18°12	18°15	18°54	1300	1300	0	Bait 1	Scomber scombrus	80		
	LON	102°12	101°44	102°02	102°01				Total no. of hooks in set:	1300	Bait 2	Sardinella aurita	20
	TIME	23:58	7:34	9:45	22:45				No. of hooks lost:	0	Bait 3		
Target Fishery	SWO	Set Special? <input type="checkbox"/>	Yes <input type="checkbox"/>	Patrolled? <input type="checkbox"/>	Retrieval direction	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?				
					Start to end <input checked="" type="checkbox"/>	24,7	5	24 fath	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set number	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total	
	Start	End	Start	End							
37	LAT	18°59	18°14	18°21	18°16	1400			Bait 1	Scomber scombrus	80
↓ Date ↓ 14-1-17	LON	102°01	101°37	101°49	101°41	Total no. of hooks in set:		1400	Bait 2	Sardinella aurita	20
	TIME	23:20	6:32	9:00	6:36	No. of hooks lost:		0	Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end	<input checked="" type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?		
SWO	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>	25,5	5	24	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		

Observations:

Set number	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total	
	Start	End	Start	End							
	LAT								Bait 1		
↓ Date ↓	LON					Total no. of hooks in set:			Bait 2		
	TIME					No. of hooks lost:			Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end	<input type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?		
	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>					Yes <input type="checkbox"/>	No <input type="checkbox"/>	

Observations:

Set number	SET		RETRIEVAL		Number of hooks in the set by type:	Hook. A	Hook. B	Hook. C	Type of bait	% of total	
	Start	End	Start	End							
	LAT								Bait 1		
↓ Date ↓	LON					Total no. of hooks in set:			Bait 2		
	TIME					No. of hooks lost:			Bait 3		
Target Fishery	Set Special?	Yes <input type="checkbox"/>	Retrieval direction	Start to end	<input type="checkbox"/>	Sea surf. temp.	No. hooks btwn. floats	Avg. hook depth	Bottom longline?		
	Patrolled?	<input type="checkbox"/>	End to start	<input type="checkbox"/>					Yes <input type="checkbox"/>	No <input type="checkbox"/>	

Observations: X

CATCH FORM

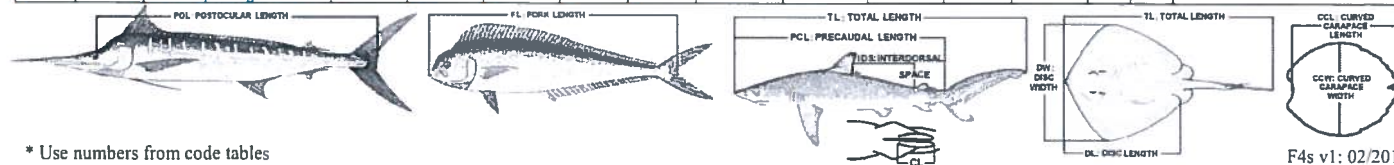
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks		Observations	
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L		S E M E N
1		BSH <i>Prionace glauca</i>	1	A	2	2	1	37,9	245	200	45	21	Y	N	
1		BSH <i>Prionace glauca</i>	2	A	2	2	2	37,9	260	200	45				
1		SWO <i>Xiphias gladius</i>	3	A	2	2	1	20,6	130						
1		SWO <i>Xiphias gladius</i>	4	A	2	2	1	15,9	120						
1		BSH <i>Prionace glauca</i>	5	A	2	2	2	37,9	240	200	56				
1		SWO <i>Xiphias gladius</i>	6	A	1	2	2	128,7	230						
1		SWO <i>Xiphias gladius</i>	7	A	2	2	1	12,1	110						
1		SWO <i>Xiphias gladius</i>	8	A	1	2	2	15,9	120						
1		SWO <i>Xiphias gladius</i>	9	A	1	2	2	111,5	220						
1		SWO <i>Xiphias gladius</i>	10	A	2	2	1	18,1	125						
1		SWO <i>Xiphias gladius</i>	11	A	2	2	1	15,9	120						
1		BSH <i>Prionace glauca</i>	12	A	1	2	1	37,9	250	200	47	24	Y	N	
1		SWO <i>Xiphias gladius</i>	13	A	2	1	1	15,9	120						
1		BSH <i>Prionace glauca</i>	14	A	2	2	1	32,4	230	190	46	21	Y	N	
1		BSH <i>Prionace glauca</i>	15	A	2	2	1	20,9	210	165	46	12	Y	N	
1		BSH <i>Prionace glauca</i>	16	A	2	2	1	27,4	220	180	42	12	Y	N	
1		SWO <i>Xiphias gladius</i>	17	A	2	2	1	20,6	130						
1		BSH <i>Prionace glauca</i>	18	A	2	2	1	35,1	220	195	46	22	Y	N	
1		MLS <i>Tetrapturus</i>	19	A	2	2	1	28,9	170						
1		SWO <i>Xiphias gladius</i>	20	A	2	2	1	8,9	100						
1		SWO <i>Xiphias gladius</i>	21	A	2	2	1	32,5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

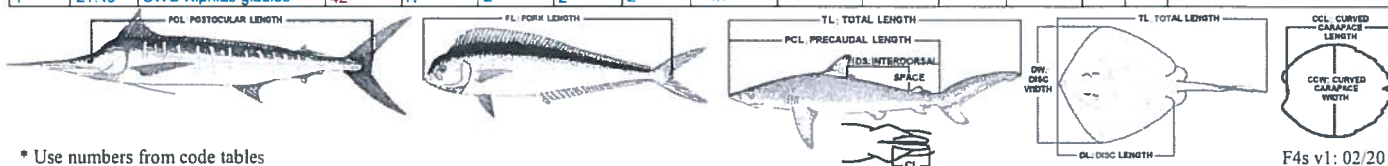
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks		Observations	
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L		S E M E N
1	18:45	SWO Xiphias gladius	22	A	2	2	2	20,6	130						
1	18:47	BSH Prionace glauca	23	A	2	2	1	50,9	290	220	53	14	Y	N	
1	18:54	SWO Xiphias gladius	24	A	2	2	1	12,1	110						
1	19:03	SWO Xiphias gladius	25	A	2	2	1	15,9	120						
1	19:10	SWO Xiphias gladius	26	A	2	2	1	12,1	110						
1	19:17	BSH Prionace glauca	27	A	1	2	1	96,1	390	270	68	23	Y	N	
1	19:31	SWO Xiphias gladius	28	A	2	2	1	40	160						
1	19:35	SWO Xiphias gladius	29	A	3	2	1	15,9	120						
1	19:55	SWO Xiphias gladius	30	A	3	2	1	8,9	100						
1	20:11	SWO Xiphias gladius	31	A	2	2	1	15,9	120						
1	20:20	SWO Xiphias gladius	32	A	2	2	1	82	200						
1	20:34	SWO Xiphias gladius	33	A	1	2	2	32,5	150						
1	20:36	SWO Xiphias gladius	34	A	2	2	2	20,6	130						
1	20:39	SWO Xiphias gladius	35	A	2	2	1	13,9	115						
1	20:44	SWO Xiphias gladius	36	A	2	2	1	20,6	130						
1	20:51	MLS Tetrapturus audax	37	A	2	2	2	28,9	170						
1	21:06	BSH Prionace glauca	38	A	2	2	1	50,9	265	220	51	23	Y	N	
1	21:14	BSH Prionace glauca	39	A	2	2	1	66,7	290	240	68	26	Y	N	
1	21:18	BSH Prionace glauca	40	A	2	2	1	75,7	300	250	54	25	Y	N	
1	21:27	BSH Prionace glauca	41	A	2	2	1	75,7	310	250	60	26	Y	N	
1	21:40	SWO Xiphias gladius	42	A	2	2	2	15,9	120						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

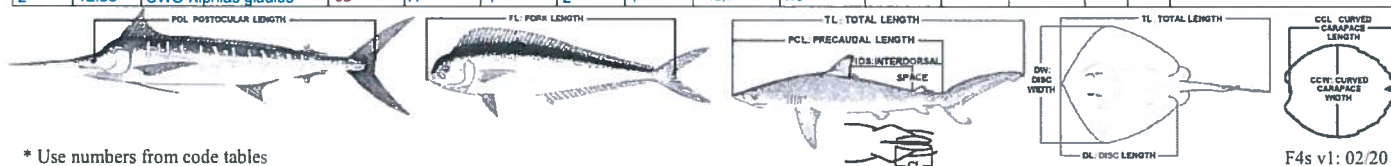
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
1	21:55	BSH Prionace glauca	43	A	2	2	1	58,5	290	230	60	26	Y	N	
1	22:00	SWO Xiphias gladius	44	A	1	2	1	40	160						
1	22:06	SWO Xiphias gladius	45	A	2	2	1	12,1	110						
1	22:11	SWO Xiphias gladius	46	A	2	2	2	15,9	120						
1	22:14	BSH Prionace glauca	47	A	2	2	1	66,7	310	240	59	21	Y	N	
1	22:45	BSH Prionace glauca	48	A	2	2	1	44,1	260	210	53	22	Y	N	
1	22:52	SWO Xiphias gladius	49	A	2	2	1	12,1	110						
1	23:16	BSH Prionace glauca	50	A	2	2	1	15,6	190	150	42	10	Y	N	
1	23:31	SWO Xiphias gladius	51	A	2	2	2	26,1	140						
1	23:44	SWO Xiphias gladius	52	A	1	2	1	8,9	100						
2	10:50	BSH Prionace glauca	53	A	2	2	1	44,1	260	210	51	19	Y	N	
2	10:55	SWO Xiphias gladius	54	A	2	2	1	20,6	130						
2	11:00	BSH Prionace glauca	55	A	2	2	1	32,4	230	190	50	20	Y	N	
2	11:26	BSH Prionace glauca	56	A	2	2	2	27,4	210	180	47				
2	11:35	SWO Xiphias gladius	57	A	2	2	1	40	160						
2	11:44	BSH Prionace glauca	58	A	2	2	2	15,6	185	150	36				
2	11:47	SMA Isurus oxurinchus	59	A	1	2	2	17	150	130	42				
2	12:21	SWO Xiphias gladius	60	A	2	2	1	8,9	100						
2	12:26	SWO Xiphias gladius	61	A	2	2	1	119,9	225						
2	12:51	SWO Xiphias gladius	62	A	1	2	2	7,6	95						
2	12:56	SWO Xiphias gladius	63	A	1	2	1	12,1	110						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
2	13:04	SWO Xiphias gladius	64	A	2	2	1	13,9	115						
2	13:10	SWO Xiphias gladius	65	A	2	2	1	8,9	100						
2	13:17	SWO Xiphias gladius	66	A	1	2	1	168,4	250						
2	13:25	SWO Xiphias gladius	67	A	1	2	2	20,6	130						
2	13:33	SPK Sphyrna mokarran	68	A	2	5	1								
2	13:38	BSH Prionace glauca	69	A	2	2	2	23	190	170	42				
2	13:41	SWO Xiphias gladius	70	A	2	2	2	29,2	145						
2	13:58	BSH Prionace glauca	71	A	2	2	1	44,1	280	210	54	24	Y	N	
2	14:06	BSH Prionace glauca	72	A	2	2	1	37,9	270	200	49	24	Y	Y	
2	14:20	SWO Xiphias gladius	73	A	1	2	1	75,6	195						
2	14:28	SWO Xiphias gladius	74	A	2	2	2	13,9	115						
2	15:00	BSH Prionace glauca	75	A	2	2	1	23	195	170	32	8	Y	N	
2	15:38	MLS Tetrapturus audax	76	A	2	2	1	45,6	195						
2	16:00	BSH Prionace glauca	77	A	1	2	1	27,4	240	180	49	12	Y	Y	
2	16:05	SWO Xiphias gladius	78	A	2	1	1								So a cabeça, comida pela orca
2	16:15	SWO Xiphias gladius	79	A	1	2	1	26,1	140						
2	16:35	BSH Prionace glauca	80	A	2	2	1	75,7	310	250	60	19	Y	N	
2	16:44	SWO Xiphias gladius	81	A	2	2	1	20,6	130						
2	16:45	SWO Xiphias gladius	82	A	1	2	1	63,8	185						
2	16:47	MLS Tetrapturus audax	83	A	2	2	1	17	160						
2	17:02	SWO Xiphias gladius	84	A	2	2	1	36,1	155						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

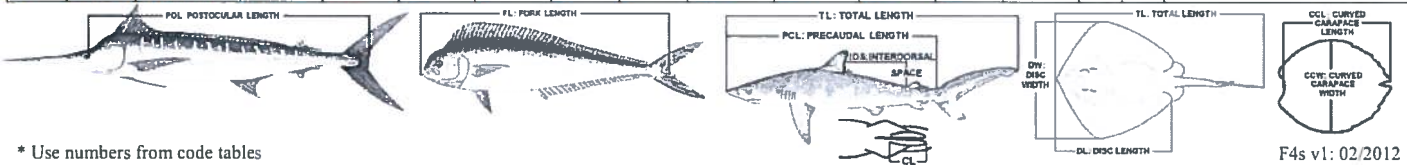
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
2	17:08	SWO Xiphias gladius	85	A	3	2	1	44.2	165						
2	17:15	BSH Prionace glauca	86	A	2	2	1	50.9	260	220	49	21	Y	N	
2	17:25	BSH Prionace glauca	87	A	2	2	2	37.9	250	200	44				
2	17:22	BSH Prionace glauca	88	A	2	2	1	50.9	295	220	52	23	Y	N	
2	17:34	SWO Xiphias gladius	89	A	2	2	1	40	160						
2	17:36	SWO Xiphias gladius	90	A	2	2	1	53.3	175						
2	18:10	BSH Prionace glauca	91	A	2	2	2	50.9	270	220	48				
2	18:19	SWO Xiphias gladius	92	A	2	2	1	18.1	125						
2	19:38	SWO Xiphias gladius	93	A	2	2	1	26.1	140						
2	20:00	BET Thunnus obesus	94	A	2	2	1	52.8	145						
2	20:23	SWO Xiphias gladius	95	A	2	2	1	29.2	145						
2	20:30	SWO Xiphias gladius	96	A	2	2	1	8.9	100						
2	20:41	SWO Xiphias gladius	97	A	2	2	1	8.9	100						
2	20:44	SWO Xiphias gladius	98	A	2	2	1	18.1	125						
2	20:51	BSH Prionace glauca	99	A	1	2	2	15.6	185	150	39				
2	21:11	SWO Xiphias gladius	100	A	2	2	1	15.9	120						
2	21:21	BSH Prionace glauca	101	A	2	2	2	27.4	250	180	50				
2	21:39	SWO Xiphias gladius	102	A	2	2	1	13.9	115						
2	22:06	BSH Prionace glauca	103	A	1	2	2	50.9	265	220	54				
2	22:22	BSH Prionace glauca	104	A	1	2	2	19	185	160	40				
2	22:43	SMA Isurus oxyrinchus	105	A	3	2	2	28.6	175	155	42				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

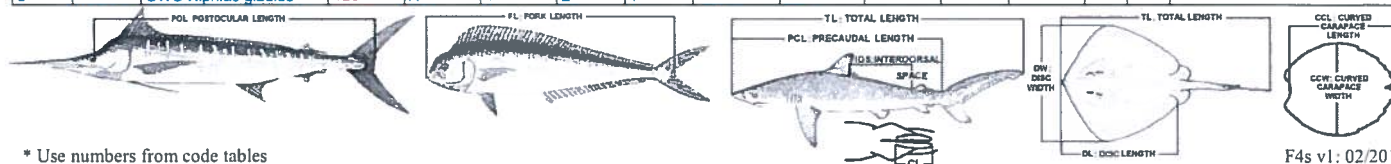
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
2	22:50	BET Thunnus obesus	106	A	2	2	1	38,4	130						
2	23:07	SWO Xiphias gladius	107	A	2	2	1	10,4	105						
2	23:09	SWO Xiphias gladius	108	A	2	2	1	13,9	115						
2	23:11	BSH Prionace glauca	109	A	2	2	1	37,9	240	200	48	22	Y	N	
2	23:19	SMA Isurus oxyrinchus	110	A	2	2	2	13,4	150	120	40				
2	23:33	BSH Prionace glauca	111	A	2	2	1	47,4	255	215	51	21	Y	N	
2	23:45	SWO Xiphias gladius	112	A	2	2	1	13,9	115						
2	23:54	SWO Xiphias gladius	113	A	1	2	2	75,6	195						
2	00:04	BSH Prionace glauca	114	A	2	2	1	37,9	265	200	58	22	Y	N	
2	00:07	SWO Xiphias gladius	115	A	2	2	1	44,2	165						
2	00:09	SWO Xiphias gladius	116	A	1	2	1	29,2	145						
2	00:19	SWO Xiphias gladius	117	A	2	2	1	26,1	140						
3	10:14	BSH Prionace glauca	118	A	2	2	2	27,4	220	180	44				
3	10:17	SMA Isurus oxyrinchus	119	A	2	2	2	44,6	200	180	52				
3	10:29	BSH Prionace glauca	120	A	1	2	1	80,5	310	255	63	30	Y	N	
3	10:45	BSH Prionace glauca	121	A	1	2	1	75,7	300	250	60	24	Y	N	
3	10:54	SWO Xiphias gladius	122	A	2	2	2	229,2	275						
3	11:00	BSH Prionace glauca	123	A	1	2	2	20,9	210	165	40				
3	11:12	SWO Xiphias gladius	124	A	2	2	1	13,9	115						
3	11:19	BSH Prionace glauca	125	A	2	2	2	23	225	170	48				
3	11:21	SWO Xiphias gladius	126	A	1	2	1	75,6	195						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

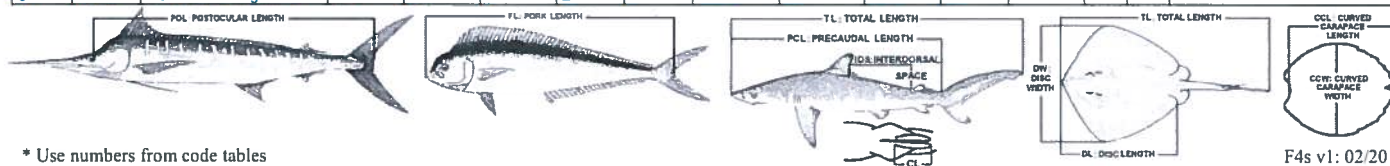
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
3	11:39	SWO Xiphias gladius	127	A	2	2	1	58,4	180						
3	11:52	SWO Xiphias gladius	128	A	1	2	1	44,2	165						
3	12:14	BSH Prionace glauca	129	A	2	2	2	54,6	285	225	51				
3	12:18	SWO Xiphias gladius	130	A	2	2	1	29,2	145						Mordido na cauda
3	13:06	BUM Makaira nigricans	131	A	2	2	2	45,6	195						
3	13:38	SWO Xiphias gladius	132	A	1	2	1	18,1	125						
3	14:10	SWO Xiphias gladius	133	A	1	2	1	4,4	80						
3	14:10	SWO Xiphias gladius	134	A	2	2	1	13,9	115						
3	14:40	SWO Xiphias gladius	135	A	2	2	1	18,1	125						
3	15:13	SWO Xiphias gladius	136	A	2	1									Apenas a Cabeça
3	15:24	SWO Xiphias gladius	137	A	2	1									Apenas a Cabeça
3	15:34	SWO Xiphias gladius	138	A	2	1									Apenas a Cabeça
3	16:04	SWO Xiphias gladius	139	A	2	2	1	23,2	135						
3	16:46	SWO Xiphias gladius	140	A	2	2	2	15,9	120						
3	17:33	SWO Xiphias gladius	141	A	1	2	1	23,2	135						
3	19:35	BSH Prionace glauca	142	A	2	2	1	58,5	295	230	61	23	Y	N	
3	19:45	BSH Prionace glauca	143	A	2	2	2	12,6	160	140	34				
3	19:51	SWO Xiphias gladius	144	A	2	2	1	272,1	290						
3	20:37	Dipturus flavirostris	145	A	2	5									
3	20:53	MLS Tetrapturus audax	146	A	2	2	2	53,9	205						
3	20:55	BSH Prionace glauca	147	A	2	2	2	12,6	180	140	31				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

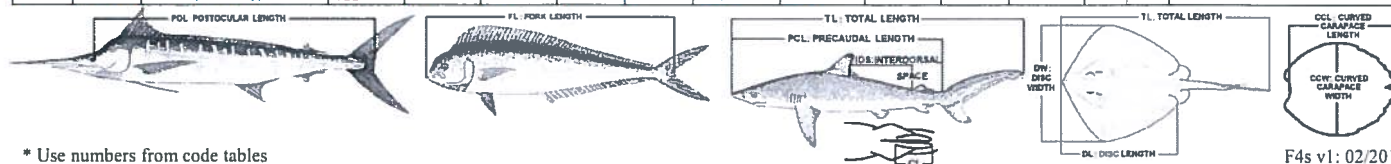
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
3	21:05	SWO Xiphias gladius	148	A	2	2	1	48,6	170						
3	21:20	SWO Xiphias gladius	149	A	2	2	2	147,6	240						
3	21:51	SWO Xiphias gladius	150	A	2	2	1	10,4	105						
3	22:01	Dipturus flavirostris	151	A	2	5									
3	22:17	SWO Xiphias gladius	152	A	2	2	1	10,4	105						
3	22:21	BSH Prionace glauca	153	A	2	2	2	23	200	170	43				
3	22:54	SMA Isurus oxyrinchus	154	A	1	2	2	184,6	390	290	82				
3	23:30	SWO Xiphias gladius	155	A	2	2	1	63,8	185						
3	23:45	BSH Prionace glauca	156	A	2	2	2	32,4	255	190	44				
3	23:59	SWO Xiphias gladius	157	A	2	2	2	88,8	205						
3	00:24	BSH Prionace glauca	158	A	1	2	2	29,8	230	185	46				
3	00:30	BSH Prionace glauca	159	A	1	2	1	66,7	300	240	60	23	Y	N	
3	1:05	SWO Xiphias gladius	160	A	2	2	1	15,9	120						
3	1:14	BSH Prionace glauca	161	A	1	2	1	62,5	280	235	59	24	Y	N	
4	10:00	SMA Isurus oxyrinchus	162	A	1	2	1	70,5	235	210	61	23	Y	N	
4	10:28	SWO Xiphias gladius	163	A	2	2	2	82	200						
4	10:45	BSH Prionace glauca	164	A	2	2	1	101,7	311	275	65	26	Y	N	
4	11:03	SWO Xiphias gladius	165	A	2	2	2	20,6	130						
4	11:46	BSH Prionace glauca	166	A	1	2	1	85,5	305	260	54	25	Y	N	
4	12:03	BSH Prionace glauca	167	A	1	2	2	20,9	205	165	42				Tinha crias vivas que foram libertadas
4	12:26	DOL Corphaena hippurus	168	A	2	2	1	12,9	120						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

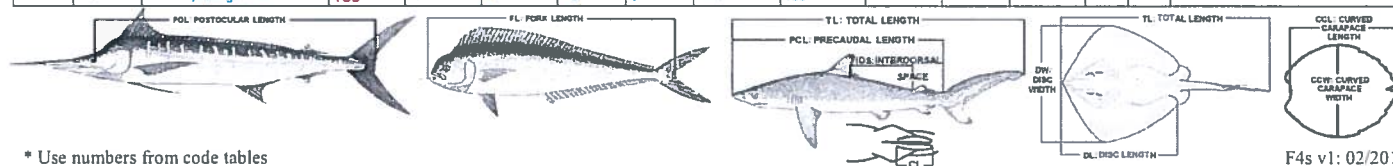
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
4	12:34	SWO Xiphias gladius	169	A	1	2	2	29,2	145						
4	12:44	SWO Xiphias gladius	170	A	1	2	1	29,2	145						
4	12:54	SWO Xiphias gladius	171	A	1	2	1	26,1	140						
4	13:02	BSH Prionace glauca	172	A	1	2	1	44,1	270	210	53	24	Y	N	
4	13:26	BSH Prionace glauca	173	A	2	2	1	62,5	265	235	52	23	Y	N	
4	13:38	SMA Isurus oxyrinchus	174	A	1	2	2	44,6	225	180	55				
4	13:45	BSH Prionace glauca	175	A	1	2	1	66,7	315	240	54	24	Y	N	
4	14:01	BSH Prionace glauca	176	A	1	2	1	89,2	305	260	54	25	y	n	
4	14:06	Diplurus flavirostris	177	A	2	5									
4	14:19	SWO Xiphias gladius	178	A	2	2	1	29,2	145						
4	14:20	BSH Prionace glauca	179	A	2	2	1	15,9	395	255	64	25	Y	N	
4	14:34	SWO Xiphias gladius	180	A	2	2	1	18,1	125						
4	14:43	BSH Prionace glauca	181	A	1	2	1	62,5	270	235	55	23	Y	N	
4	14:55	BSH Prionace glauca	182	A	1	2	1	66,7	285	240	52	24	Y	N	
4	15:00	BUM Makaira nigricans	183	A	2	2	2	73,4	225						
4	15:17	SWO Xiphias gladius	184	A	2	2	1	40	160						
4	15:19	SWO Xiphias gladius	185	A	1	2	1	32,5	150						
4	16:14	SMA Isurus oxyrinchus	186	A	1	2	2	31,4	185	160	51				
4	16:32	SWO Xiphias gladius	187	A	1	2	1	23,2	135						
4	16:54	SWO Xiphias gladius	188	A	1	2	1	96	210						
4	17:04	SWO Xiphias gladius	189	A	1	3	1	36,1	155						So metade do corpo



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

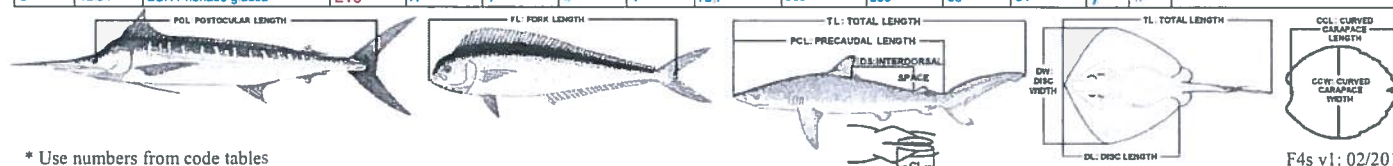
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks		Observations	
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L		S E M E N
4	17:21	SWO Xiphias gladius	190	A	2	2	2	18,1	125						
4	17:32	SWO Xiphias gladius	191	A	1	2	2	29,2	145						
4	19:53	BSH Prionace glauca	192	A	2	2	2	44,1	250	210	52				
4	20:04	BUM Makaira nigricans	193	A	1	2	2	68,1	220						
4	21:24	SWO Xiphias gladius	194	A	3	2	1	88,8	205						
4	21:33	BSH Prionace glauca	195	A	2	2	1	50,9	250	220	56	24	Y	Y	
4	21:47	SWO Xiphias gladius	196	A	2	2	1	18,1	125						
4	22:23	BSH Prionace glauca	197	A	1	2	2	32,4	230	190	49				
4	22:30	BSH Prionace glauca	198	A	2	2	2	19	190	160	43				
5	9:56	BET Thunnus obesus Patudo	199	A	3	2	1	58,3	150						
5	10:17	BSH Prionace glauca	200	A	1	2	1	50,9	270	220	56	23	y	n	
5	10:19	BUM Makaira nigricans	201	A	2	2	2	79	230						
5	10:25	SWO Xiphias gladius	202	A	1	2	1	18,1	125						
5	10:30	BSH Prionace glauca	203	A	1	2	1	75,7	300	250	65	23	y	n	
5	10:44	SWO Xiphias gladius	204	A	2	2	2	88,8	205						
5	11:03	SWO Xiphias gladius	205	A	2	2	2	23,2	135						
5	11:19	SWO Xiphias gladius	206	A	3	2	1	63,8	185						
5	11:24	SMA Isurus oxyrinchus	207	A	1	2	2	26	170	150	48				
5	11:27	SWO Xiphias gladius	208	A	2	2	1	29,2	145						
5	12:01	BSH Prionace glauca	209	A	1	2	1	101,7	300	275	56	25	y	n	
5	12:04	BSH Prionace glauca	210	A	1	2	1	75,7	350	250	66	34	y	n	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

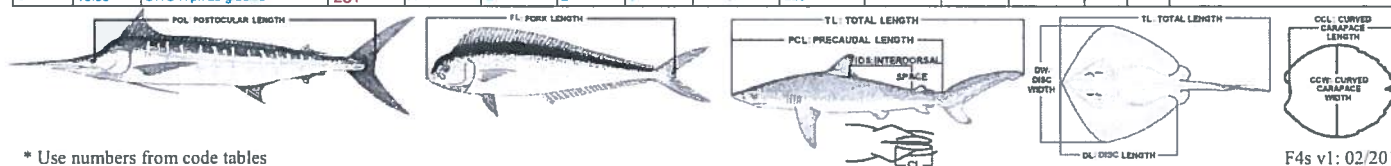
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
5	12:05	SWO Xiphias gladius	211	A	2	2	1	53.3	175						
5	12:10	SWO Xiphias gladius	212	A	2	2	2	75.6	195						
5	12:17	SWO Xiphias gladius	213	A	2	2	1	18.1	125						
5	12:19	BSH Prionace glauca	214	A	1	2	1	85.5	320	260	59	28	y	n	
5	12:21	BSH Prionace glauca	215	A	1	2	1	47.8	305	255	63	25	y	n	
5	12:28	BSH Prionace glauca	216	A	1	2	1	62.5	300	235	58	25	y	n	
5	12:31	BSH Prionace glauca	217	A	1	2	1	71.1	295	245	58	25	y	n	
5	12:40	SWO Xiphias gladius	218	A	2	2	1	53.3	175						
5	13:10	SWO Xiphias gladius	219	A	1	2	1	23.2	135						
5	13:23	SWO Xiphias gladius	220	A	2	2	1	26.1	140						
5	13:25	SWO Xiphias gladius	221	A	2	2	1	40	160						
5	13:30	SWO Xiphias gladius	222	A	1	2	2	147.6	240						
5	13:35	BSH Prionace glauca	223	A	1	2	2	32.4	235	190	42				
5	13:50	BUM Makaira nigricans	224	A	2	2	2	68.1	220						
5	13:54	SWO Xiphias gladius	225	A	2	2	1	29.2	145						
5	14:06	SWO Xiphias gladius	226	A	2	2	2	63.8	185						
5	14:24	SWO Xiphias gladius	227	A	1	2	1	15.9	120						
5	15:17	BSH Prionace glauca	228	A	1	2	1	54.6	250	225	54	23	y	n	
5	15:27	SWO Xiphias gladius	229	A	2	2	1	53.3	175						
5	15:35	BSH Prionace glauca	230	A	1	2	2	27.4	200	180	40				
5	16:06	SWO Xiphias gladius	231	A	2	2	1	111.5	220						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

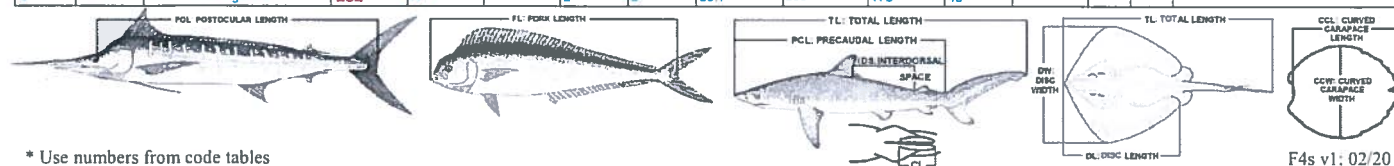
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks		Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	
5	16:10	POR Lamna nasus	232	A	2	5								
5	16:19	SWO Xiphias gladius	233	A	1	2	1	20.6	130					
5	16:40	LEC Lepidocybium flavobrunneum	234	A	2	2	2	20.6	180					
5	16:52	SWO Xiphias gladius	235	A	1	2	2	29.2	145					
5	17:04	BSH Prionace glauca	236	A	1	2	1	85.5	315	260	63	19	y	n
5	17:16	SWO Xiphias gladius	237	A	2	2	1	29.2	145					
5	19:10	BSH Prionace glauca	238	A	2	2	1	58.5	260	230	56	25	y	n
5	19:25	BSH Prionace glauca	239	A	2	2	2	58.5	265	230	61			
5	19:35	SWO Xiphias gladius	240	A	1	2	1	26.1	140					
5	19:53	SWO Xiphias gladius	241	A	1	2	1	111.5	220					
5	20:31	SWO Xiphias gladius	242	A	1	2	1	26.1	140					
5	20:50	BSH Prionace glauca	243	A	2	2	2	35.1	235	195	52			
5	20:55	SMA Isurus oxyrinchus	244	A	1	2	2	31.4	195	160	50			
5	21:00	BUM Makaira nigricans	245	A	2	2	2	63.1	215					
5	21:06	SWO Xiphias gladius	246	A	1	2	1	13.9	115					
5	21:20	SWO Xiphias gladius	247	A	1	2	1	29.2	145					
5	21:26	BSH Prionace glauca	248	A	1	2	1	40.9	245	205	56	20	y	n
6	9:36	SWO Xiphias gladius	249	A	1	2	1	26.1	140					
6	9:38	BSH Prionace glauca	250	A	1	2	2	44.1	260	210	55			
6	10:13	SMA Isurus oxyrinchus	251	A	1	2	2	149.2	310	270	75			
6	10:38	BSH Prionace glauca	252	A	1	2	2	25.1	205	175	46			



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

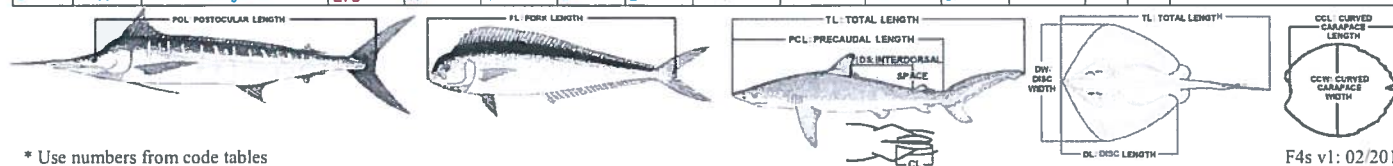
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
6	10:51	BSH <i>Prionace glauca</i>	253	A	2	2	1	96.1	305	270	61	26	y	n	
6	11:00	MLS <i>Tetrapturus audax</i>	254	A	3	2	1	38.3	185						
6	11:05	SWO <i>Xiphias gladius</i>	255	A	3	2	2	20.6	130						
6	11:09	SWO <i>Xiphias gladius</i>	256	A	2	2	1	32.5	150						
6	11:25	SWO <i>Xiphias gladius</i>	257	A	1	2	2	103.5	215						
6	11:33	BSH <i>Prionace glauca</i>	258	A	2	2	1	66.7	270	240	64	25	y	n	
6	11:44	SWO <i>Xiphias gladius</i>	259	A	1	2	1	103.5	215						
6	12:00	SWO <i>Xiphias gladius</i>	260	A	1	2	1	63.8	185						
6	12:24	BSH <i>Prionace glauca</i>	261	A	1	2	1	75.7	395	250	66	27	y	n	
6	12:26	BSH <i>Prionace glauca</i>	262	A	1	2	1	75.7	300	250	66	27	y	n	
6	12:35	BSH <i>Prionace glauca</i>	263	A	1	2	1	66.7	290	240	70	26	y	n	
6	12:40	BET <i>Thunnus obesus</i>	264	A	2	2	1	70.5	160						
6	12:55	SWO <i>Xiphias gladius</i>	265	A	2	2	1	15.9	120						
6	12:59	SWO <i>Xiphias gladius</i>	266	A	1	2	1	12.1	110						
6	13:04	MLS <i>Tetrapturus audax</i>	267	A	2	2	1	199	115						
6	13:15	SWO <i>Xiphias gladius</i>	268	A	2	3	1	32.5	150						Mordido na cauda e na barriga
6	13:20	SWO <i>Xiphias gladius</i>	269	A	2	2	1	32.5	260						
6	13:38	BSH <i>Prionace glauca</i>	270	A	1	2	2	23	200	170	39				
6	13:44	BSH <i>Prionace glauca</i>	271	A	1	2	2	23	210	170	50				
6	13:50	BSH <i>Prionace glauca</i>	272	A	1	2	2	15.6	195	150	40				
6	14:05	BSH <i>Prionace glauca</i>	273	A	1	2	2	12.6	180	140	37				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

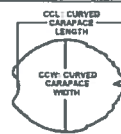
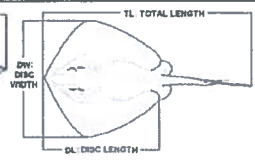
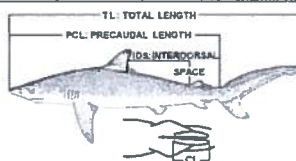
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
6	14:14	SWO Xiphias gladius	274	A	1	2	2	32.5	150						
6	14:27	SWO Xiphias gladius	275	A	3	2	1	20.6	130						
6	14:30	BSH Prionace glauca	276	A	1	2	1	15.6	165	150	43				
6	14:35	SWO Xiphias gladius	277	A	1	2	2	96	210						
6	14:39	BSH Prionace glauca	278	A	1	2	1	96.1	330	270	57	33	y	n	
6	14:42	SWO Xiphias gladius	279	A	2	2	1	13.9	115						
6	14:54	BSH Prionace glauca	280	A	1	2	1	96.1	330	270	57	33	y	n	
6	15:03	POR Lamna nasus	281	A	2	5									
6	15:08	BSH Prionace glauca	282	A	2	2	1	37.9	250	200	52	20	y	n	
6	15:25	BSH Prionace glauca	283	A	2	2	2	37.9	235	200	50				
6	15:39	SWO Xiphias gladius	284	A	1	2	2	26.1	140						
6	15:55	SWO Xiphias gladius	285	A	1	2	1	15.9	120						
6	16:03	BSH Prionace glauca	286	A	1	2	1	32.4	220	190	50	20	y	n	
6	16:09	BSH Prionace glauca	287	A	2	2	1	66.7	290	240	65	26	y	n	
6	16:18	BSH Prionace glauca	288	A	1	2	1	62.5	290	235	60	26	y	n	
7	9:20	BSH Prionace glauca	289	A	1	2	1	75.7	300	250	65	26	y	n	
7	9:49	SWO Xiphias gladius	290	A	1	2	1	15.9	120						
7	9:59	BSH Prionace glauca	291	A	2	2	2	225	340	310	86				
7	10:04	SWO Xiphias gladius	292	A	2	2	1	69.5	120						
7	10:49	SWO Xiphias gladius	293	A	1	2	2	40	160						
7	10:54	BUM Makaira nigricans	294	A	2	2	1	12	130						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

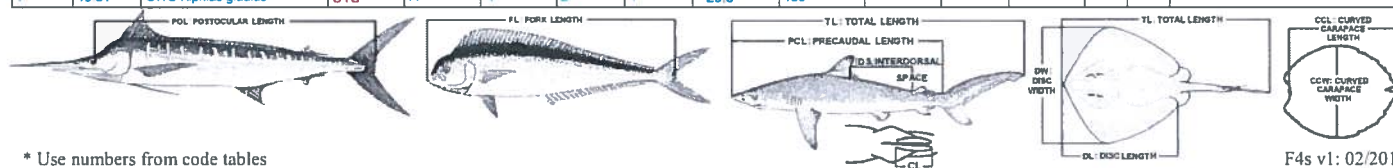
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
7	11:15	SWO Xiphias gladius	295	A	1	2	1	29.2	145						
7	11:55	SWO Xiphias gladius	296	A	1	2	1	179.6	255						
7	12:10	BSH Prionace glauca	297	A	2	2	1	50.9	245	220	54	21	Y	N	
7	12:25	SWO Xiphias gladius	298	A	1	2	1	179.6	255						
7	12:29	BSH Prionace glauca	299	A	2	2	1	50.9	245	220	54	21	y	n	
7	12:40	SWO Xiphias gladius	300	A	2	2	1	20.6	130						
7	13:04	BSH Prionace glauca	301	A	2	2	2	37.9	240	200	52				
7	13:23	SMA Isurus oxyrinchus	302	A	2	2	1	26	165	150	49	18	y	n	
7	13:38	SWO Xiphias gladius	303	A	1	2	1	29.2	145						
7	14:00	SWO Xiphias gladius	304	A	1	2	1	32.5	150						
7	14:26	BSH Prionace glauca	305	A	2	2	1	44.1	235	210	50	20	y	n	
7	15:03	SWO Xiphias gladius	306	A	2	2	2	157.8	245						
7	16:00	SWO Xiphias gladius	307	A	2	2	2	168.4	250						
7	16:15	SWO Xiphias gladius	308	A	2	2	1	26.1	140						
7	16:36	SWO Xiphias gladius	309	A	1	2	1	58.4	180						
7	16:57	SWO Xiphias gladius	310	A	1	2	1	53.3	175						
7	17:10	SWO Xiphias gladius	311	A	1	2	1	20.6	130						
7	17:15	SWO Xiphias gladius	312	A	1	2	1	147.6	240						
7	19:05	SWO Xiphias gladius	313	A	2	2	1	168.4	250						
7	19:17	SWO Xiphias gladius	314	A	1	2	1	32.5	150						
7	19:31	SWO Xiphias gladius	315	A	1	2	1	20.6	130						



* Use numbers from code tables

F4s v1: 02/2012

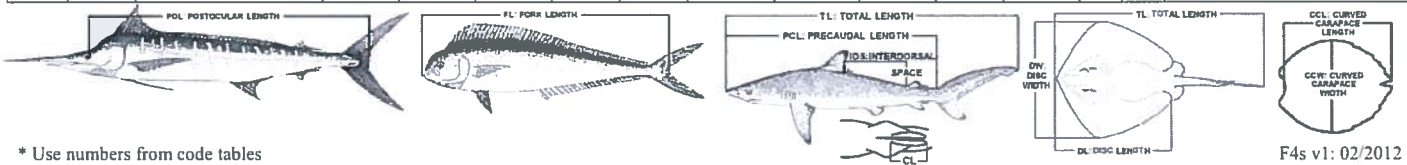
CATCH FORM

F4

VESSEL: Blueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
8	9 19	SWO Xiphias gladius	316	A	2	2	1	20,6	130						
8	9 24	BSH Prionace glauca	317	A	1	2	1	47,8	305	255	60	26	y	n	
8	9 28	SWO Xiphias gladius	318	A	1	2	1	63,8	185						
8	9 43	SWO Xiphias gladius	319	A	2	2	1	40	160						
8	9 44	SWO Xiphias gladius	320	A	2	2	1	18,1	125						
8	10 51	BSH Prionace glauca	321	A	2	2	2	32,4	230	190	47				
8	10 58	SMA Isurus oxyrinchus	322	A	2	2	1	44,6	200	180	55	20	y	n	
8	11 22	SWO Xiphias gladius	323	A	2	2	1	40	160						
8	11 33	SWO Xiphias gladius	324	A	2	2	1	20,6	130						
8	11 41	BSH Prionace glauca	325	A	3	2	1	44,1	255	210	55	20	y	n	
8	11 53	SWO Xiphias gladius	326	A	1	2	1	58,4	180						
8	12 00	SWO Xiphias gladius	327	A	1	2	1	82	200						
8	12 08	SWO Xiphias gladius	328	A	2	2	1	82	200						
8	12 35	Tetrapturus albidus	329	A	2	1									Rejeitado, mordido em varias partes do corpo
8	12 39	SWO Xiphias gladius	330	A	2	2	1	20,6	130						
8	12 56	BSH Prionace glauca	331	A	1	2	1	62,5	285	235	59	23	y	n	
8	13 05	BSH Prionace glauca	332	A	2	2	2	23	200	170	42				
8	13 22	SWO Xiphias gladius	333	A	2	2	1	130	175						
8	13 34	BSH Prionace glauca	334	A	1	2	1	54,6	275	225	57	18	y	n	
8	13 36	SWO Xiphias gladius	335	A	3	2	1	40	160						
8	13 50	SWO Xiphias gladius	336	A	2	2	1	96	210						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

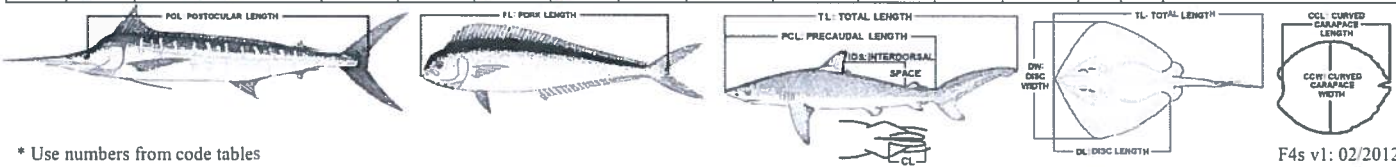
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
B	14:01	<i>Dipturus flavirostris</i>	337	A	2	5									
B	14:05	<i>SWO Xiphias gladius</i>	338	A	1	2	1	20,6	130						
B	14:11	<i>SWO Xiphias gladius</i>	339	A	2	2	1	15,9	120						
B	14:24	<i>BSH Prionace glauca</i>	340	A	1	2	2	50,9	270	220	60				
B	14:36	<i>SWO Xiphias gladius</i>	341	A	2	2	2	15,9	120						
B	14:39	<i>SWO Xiphias gladius</i>	342	A	1	2	1	23,2	135						
B	14:44	<i>SWO Xiphias gladius</i>	343	A	1	2	1	58,4	180						
B	15:05	<i>BSH Prionace glauca</i>	344	A	1	2	2	15,6	190	150	44				
B	15:12	<i>BSH Prionace glauca</i>	345	A	1	2	2	23	215	170	53				
B	15:24	<i>SWO Xiphias gladius</i>	346	A	2	2	2	75,6	195						
B	16:06	<i>SWO Xiphias gladius</i>	347	A	2	2	1	15,9	120						
B	16:20	<i>BSH Prionace glauca</i>	348	A	1	2	2	15,6	190	150	40				
B	16:22	<i>SWO Xiphias gladius</i>	349	A	2	2	2	15,9	120						
B	16:28	<i>SWO Xiphias gladius</i>	350	A	1	2	1	32,5	150						
B	16:38	<i>SWO Xiphias gladius</i>	351	A	2	2	1	63,8	185						
B	16:52	<i>SWO Xiphias gladius</i>	352	A	1	2	1	32,5	150						
B	17:15	<i>LEC Lepidocybium flavobrunneum</i>	353	A	2	2	2	9,5	100						
B	19:05	<i>SWO Xiphias gladius</i>	354	A	1	2	2	36,1	155						
B	19:17	<i>BSH Prionace glauca</i>	355	A	1	2	2	25,1	215	175	51				
B	19:30	<i>SWO Xiphias gladius</i>	356	A	1	2	2	12,1	110						
B	20:14	<i>SWO Xiphias gladius</i>	357	A	1	2	1	32,5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
8	20:36	SSP <i>Tetrapturus angustirostris</i>	358	A	2	3			160						
8	21:00	SWO <i>Xiphias gladius</i>	359	A	2	2	1	32,5	150						
8	21:20	SMA <i>Isurus oxyrinchus</i>	360	A	3	2	2	52,4	220	190	57				
8	21:30	SWO <i>Xiphias gladius</i>	361	A	2	2	1	40	160						
9	9:15	SWO <i>Xiphias gladius</i>	362	A	1	2	1	32,5	150						
9	9:28	SWO <i>Xiphias gladius</i>	363	A	1	2	1	58,4	180						
9	9:48	BSH <i>Prionace glauca</i>	364	A	1	2	2	23	205	170	48				
9	10:07	BSH <i>Prionace glauca</i>	365	A	2	2	1	40,9	235	205	53	18	y	n	
9	10:55	BSH <i>Prionace glauca</i>	366	A	1	2	1	37,9	240	200	47	19	y	n	
9	11:15	SWO <i>Xiphias gladius</i>	367	A	2	2	2	272,1	290						
9	11:20	BSH <i>Prionace glauca</i>	368	A	2	2	1	40,9	255	205	55	20	y	n	
9	11:38	SWO <i>Xiphias gladius</i>	369	A	2	2	1	40	160						
9	11:44	SSP <i>Tetrapturus angustirostris</i>	370	A	2	2			150						
9	11:48	SWO <i>Xiphias gladius</i>	371	A	1	2	1	40	160						
9	12:20	BSH <i>Prionace glauca</i>	372	A	1	2	2	23	215	170	50				linha crias vivas que foram devolvidas ao mar
9	12:30	BSH <i>Prionace glauca</i>	373	A	1	2	2	32,4	230	190	52				
9	13:05	BSH <i>Prionace glauca</i>	374	A	2	2	2	50,9	270	220	58				
9	13:13	SWO <i>Xiphias gladius</i>	375	A	2	2	1	12,1	110						
9	13:19	SWO <i>Xiphias gladius</i>	376	A	2	2	1	168,4	250						
9	13:30	SWO <i>Xiphias gladius</i>	377	A	2	2	1	10,4	105						
9	13:50	SMA <i>Isurus oxyrinchus</i>	378	A	1	2	1	52,4	205	190	57	24	y	n	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

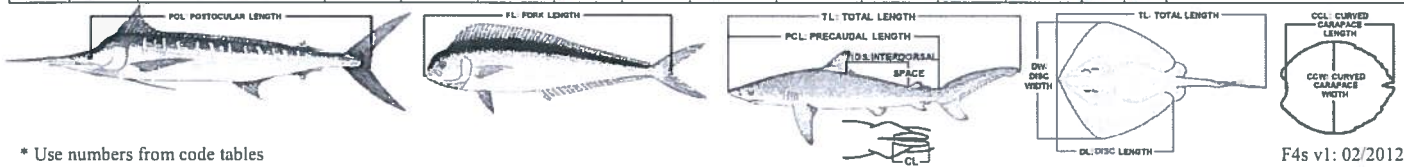
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
9	13:57	BSH <i>Prionace glauca</i>	379	A	1	2	1	58.5	290	230	62	23	y	n	
9	14:05	BSH <i>Prionace glauca</i>	380	A	2	2	2	25.1	205	175	43				
9	14:38	BSH <i>Prionace glauca</i>	381	A	2	2	1	66.7	280	240	61	20	y	y	
9	14:48	SWO <i>Xiphias gladius</i>	382	A	1	2	1	32.5	150						
9	14:55	SWO <i>Xiphias gladius</i>	383	A	1	2	1	26.1	140						
9	15:07	SWO <i>Xiphias gladius</i>	384	A	1	2	1	36.1	155						
9	15:30	BSH <i>Prionace glauca</i>	385	A	2	2	1	32.4	240	190	51	16	y	n	
9	15:31	SSP <i>Tetracturus angustirostris</i>	386	A	2	2			155						
9	15:46	SWO <i>Xiphias gladius</i>	387	A	2	2	2	191.2	260						
9	16:20	BSH <i>Prionace glauca</i>	388	A	2	2	1	71.1	285	245	59	y	n		
9	16:50	SWO <i>Xiphias gladius</i>	389	A	2	2	1	26.1	140						
9	16:56	SWO <i>Xiphias gladius</i>	390	A	1	2	1	13.9	115						
9	18:37	SWO <i>Xiphias gladius</i>	391	A	1	2	1	20.6	130						
9	18:40	SWO <i>Xiphias gladius</i>	392	A	1	2	2	82	200						
9	18:50	SWO <i>Xiphias gladius</i>	393	A	2	2	2	15.9	120						
9	19:50	BSH <i>Prionace glauca</i>	394	A	2	2	2	15.6	170	150	38				
9	20:15	BSH <i>Prionace glauca</i>	395	A	2	2	1	35.1	245	195	59	20	y	n	Ja linha um anzo! na boca
9	20:42	SWO <i>Xiphias gladius</i>	396	A	2	2	1	29.2	145						
10	9:50	SWO <i>Xiphias gladius</i>	397	A	1	2	2	63.8	185						
10	10:00	BSH <i>Prionace glauca</i>	398	A	1	2	2	66.7	295	240	59				
10	10:40	BSH <i>Prionace glauca</i>	399	A	1	2	1	54.6	275	225	52	21	y	n	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

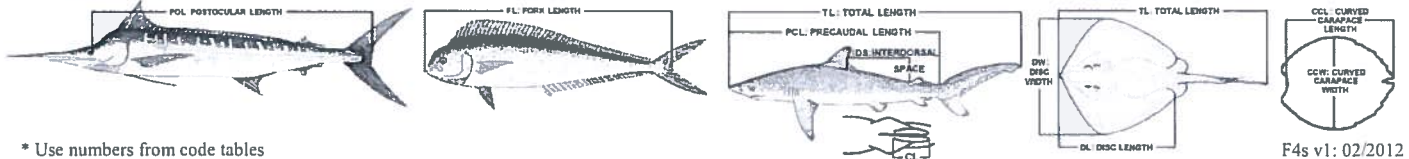
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
10	11:05	BSH <i>Prionace glauca</i>	400	A	1	2	1	58.5	260	230	55	20	y	n	
10	11:09	SWO <i>Xiphias gladius</i>	401	A	2	2	1	32.5	150						
10	11:19	SSP <i>Tetrapturus angustirostris</i>	402	A	2	2	2		160						
10	11:32	SWO <i>Xiphias gladius</i>	403	A	2	2	2	53.3	175						
10	12:00	YFT <i>Thunnus albacares</i>	404	A	2	2	1	62.6	160						
10	12:08	BSH <i>Prionace glauca</i>	405	A	1	2	1	54.6	260	225	50	20	y	n	
10	12:40	BSH <i>Prionace glauca</i>	406	A	2	2	1	32.4	230	190	48	14	y	n	
10	12:46	BSH <i>Prionace glauca</i>	407	A	2	2	1	90.7	315	265	68	21	y	n	
10	13:16	BUM <i>Makaira nigricans</i>	408	A	2	2	2	49.6	200						
10	13:35	BUM <i>Makaira nigricans</i>	409	A	3	2	1	45.6	195						
10	13:56	BSH <i>Prionace glauca</i>	410	A	1	2	1	37.9	250	200	56	20	y	y	
10	14:28	SWO <i>Xiphias gladius</i>	411	A	2	2	1	20.6	130						
10	14:50	SWO <i>Xiphias gladius</i>	412	A	2	2	2	88.8	205						
10	15:00	SWO <i>Xiphias gladius</i>	413	A	2	2	2	168.4	250						
10	15:05	SWO <i>Xiphias gladius</i>	414	A	1	2	1	23.2	135						
10	15:13	SWO <i>Xiphias gladius</i>	415	A	2	2	1	4.4	80						
10	16:10	SWO <i>Xiphias gladius</i>	416	A	2	2	1	20.6	130						
10	16:23	BSH <i>Prionace glauca</i>	417	A	2	2	1	66.7	290	240	61	23	y	n	
10	16:35	SWO <i>Xiphias gladius</i>	418	A	1	2	2	26.1	140						
10	16:55	SWO <i>Xiphias gladius</i>	419	A	3	2	1	63.8	185						
10	17:15	BET <i>Thunnus obesus</i>	420	A	3	3	2	58.3	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

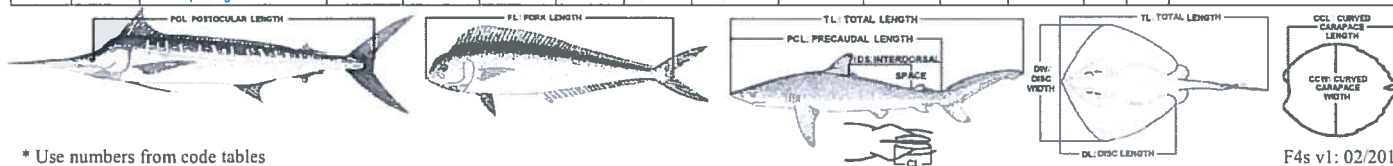
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
10	17:27	BSH <i>Prionace glauca</i>	421	A	4	2	2	10	165	130	33				
10	19:48	SWO <i>Xiphias gladius</i>	422	A	1	2	1	13,9	115						
10	20:12	SWO <i>Xiphias gladius</i>	423	A	2	2	2	18,1	125						
10	20:28	SWO <i>Xiphias gladius</i>	424	A	2	2	2	13,9	115						
10	21:00	BSH <i>Prionace glauca</i>	425	A	2	2	2	23	200	170	50				Sistema Reprodutor de fora
10	21:21	BSH <i>Prionace glauca</i>	426	A	2	2	2	44,1	255	210	53				
10	21:35	SWO <i>Xiphias gladius</i>	427	A	2	2	1	18,1	125						Mordido na cauda
10	22:03	SWO <i>Xiphias gladius</i>	428	A	2	2	1	23,2	135						
10	22:05	SWO <i>Xiphias gladius</i>	429	A	3	2	1	75,6	195						
10	0:00	SWO <i>Xiphias gladius</i>	430	A	1	2	2	137,9	235						
10	1:37	BSH <i>Prionace glauca</i>	431	A	2	2	1	54,6	270	225	65	21	y	n	
10	2:10	SSP <i>Tetrapturus angustirostris</i>	432	A	2	2	2		180						
11	10:26	SWO <i>Xiphias gladius</i>	433	A	2	2	2	303,7	300						
11	11:11	SWO <i>Xiphias gladius</i>	434	A	2	2	2	29,2	145						
11	11:46	BSH <i>Prionace glauca</i>	435	A	2	2	2	23	210	170	40				
11	12:25	SWO <i>Xiphias gladius</i>	436	A	1	2	1	13,9	115						
11	12:58	SWO <i>Xiphias gladius</i>	437	A	2	2	1	13,9	115						
11	13:00	MLS <i>Tetrapturus audax</i>	438	A	2	2	1	49,6	200						
11	13:13	SWO <i>Xiphias gladius</i>	439	A	1	2	1	26,1	140						
11	13:45	SWO <i>Xiphias gladius</i>	440	A	2	2	1	15,9	120						
11	14:17	SWO <i>Xiphias gladius</i>	441	A	1	2	2	13,9	115						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

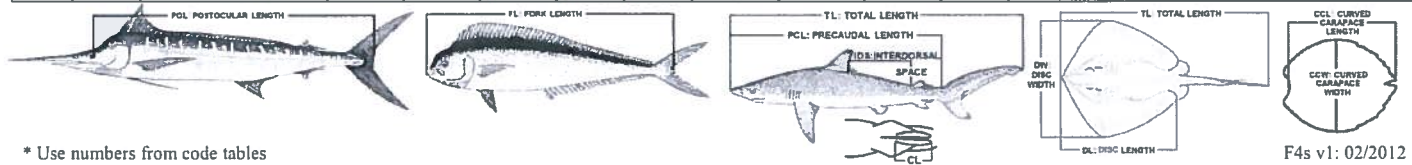
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
11	14:50	SWO Xiphias gladius	442	A	1	2	1	44,2	165						
11	14:51	BSH Prionace glauca	443	A	1	2	1	40,9	255	205	50	23	y	n	
11	14:55	SWO Xiphias gladius	444	A	2	2	1	13,9	115						
11	15:22	SWO Xiphias gladius	445	A	1	2	2	13,9	115						
11	15:31	SWO Xiphias gladius	446	A	2	2	1	165	95						
11	15:40	SWO Xiphias gladius	447	A	2	2	1	29,2	145						
11	15:45	SWO Xiphias gladius	448	A	1	2	1	48,6	170						
11	16:11	SWO Xiphias gladius	449	A	1	2	1	12,1	110						
11	16:24	SWO Xiphias gladius	450	A	1	2	1	20,6	130						
11	17:00	SWO Xiphias gladius	451	A	2	2	1	20,6	130						
11	17:25	SWO Xiphias gladius	452	A	1	2	1	13,9	115						
11	18:52	BSH Prionace glauca	453	A	1	2	1	37,9	255	200	50	19	y	n	
11	19:11	SWO Xiphias gladius	454	A	1	2	1	7,6	95						
11	19:25	SWO Xiphias gladius	455	A	1	2	1	103,5	215						
12	9:47	SWO Xiphias gladius	456	A	1	2	2	20,6	130						
12	9:56	BSH Prionace glauca	457	A	1	2	2	25,1	210	175	45				
12	10:00	SWO Xiphias gladius	458	A	1	2	1	23,2	135						
12	10:30	ALV Alopias vulpinus	459	A	2	5									
12	10:37	SWO Xiphias gladius	460	A	1	2	1	44,2	165						
12	10:47	SWO Xiphias gladius	461	A	1	2	1	29,2	145						
12	11:25	SWO Xiphias gladius	462	A	1	2	1	168,4	250						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

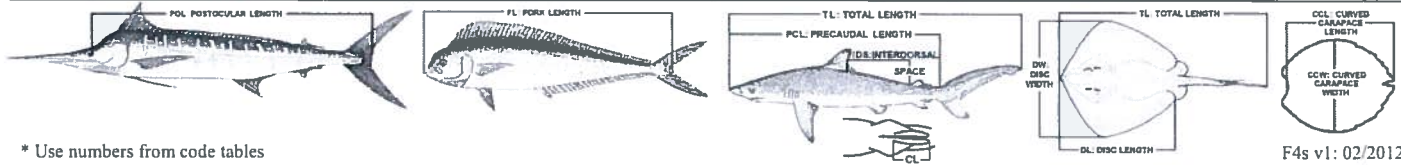
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
12	11:27	SWO Xiphias gladius	463	A	2	2	2	103,5	215						
12	12:45	BSH Prionace glauca	464	A	1	2	2	19	200	160	41				
12	13:07	SWO Xiphias gladius	465	A	1	2	1	20,6	130						
12	13:19	SWO Xiphias gladius	466	A	2	2	1	40	160						
12	13:46	BSH Prionace glauca	467	A	1	2	2	25,1	215	175	42				
12	13:50	SWO Xiphias gladius	468	A	1	2	1	44,2	165						
12	13:54	SWO Xiphias gladius	469	A	2	2	1	15,9	120						
12	14:17	SWO Xiphias gladius	470	A	1	2	1	29,2	145						
12	14:19	LEC Lepidocybium flavobrunneum	471	A	2	2	1	16,6	100						
12	15:00	SWO Xiphias gladius	472	A	1	2	2	15,9	120						
12	15:11	BUM Makaira nigricans	473	A	1	2	2	119,9	225						
12	15:37	SWO Xiphias gladius	474	A	2	2	1	15,9	120						
12	15:40	SWO Xiphias gladius	475	A	1	2	1	26,1	140						
12	15:45	BSH Prionace glauca	476	A	1	2	1	47,4	265	215	63	19	Y	Y	
12	15:59	SWO Xiphias gladius	477	A	2	2	1	23,2	135						
12	16:18	SWO Xiphias gladius	478	A	1	2	1	53,3	175						
12	16:30	SWO Xiphias gladius	479	A	1	2	1	13,9	115						
12	16:35	SWO Xiphias gladius	480	A	1	2	2	20,6	130						
12	16:45	LEC Lepidocybium flavobrunneum1	481	A	2	2	2	12,7	110						
12	16:50	LEC Lepidocybium flavobrunneum	482	A	2	2	1	8,1	95						
12	16:55	BSH Prionace glauca	483	A	1	1	1	66,7	295	240	61	21	Y	N	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

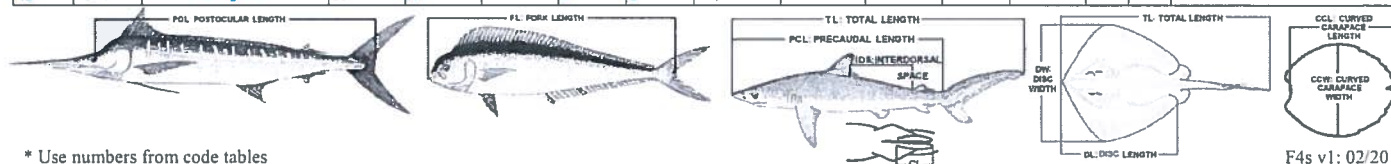
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
12	17:00	SWO Xiphias gladius	484	A	2	2	1	26,1	140						
12	17:04	BSH Prionace glauca	485	A	2	2	1	32,4	215	190	44	19	Y	N	
12	17:07	SWO Xiphias gladius	486	A	2	2	1	147,6	240						
12	17:15	SWO Xiphias gladius	487	A	2	2	1	8,9	100						
12	17:21	SWO Xiphias gladius	488	A	1	2	2	128,7	230						
12	18:55	SWO Xiphias gladius	489	A	1	2	1	12,1	110						
12	19:09	SWO Xiphias gladius	490	A	2	2	1	191,2	260						
12	19:22	SWO Xiphias gladius	491	A	1	2	1	48,6	170						
12	19:45	BSH Prionace glauca	492	A	1	2	1	58,5	280	230	61	20	Y	N	
12	19:45	SWO Xiphias gladius	493	A	2	2	2	26,1	140						
12	19:54	BSH Prionace glauca	494	A	1	2	2	15,6	190	150	40				
12	20:00	SMA Isurus oxyrinchus	495	A	1	2	1	44,6	210	180	51	21	Y	N	
12	20:14	SWO Xiphias gladius	496	A	2	2	1	20,6	130						
12	20:24	BSH Prionace glauca	497	A	2	2	2	19	190	160	20				
12	20:37	SWO Xiphias gladius	498	A	1	2	1	82	200						
12	20:55	SWO Xiphias gladius	499	A	1	2	2	48,6	170						
12	9:45	SWO Xiphias gladius	500	A	1	2	1	18,1	125						
13	9:47	SWO Xiphias gladius	501	A	3	2	1	82	200						
13	9:51	SWO Xiphias gladius	502	A	1	2	2	12,1	110						
13	10:00	BSH Prionace glauca	503	A	1	1	2	37,9	245	200	50				
13	10:15	BSH Prionace glauca	504	A	3	2	2	33,2	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

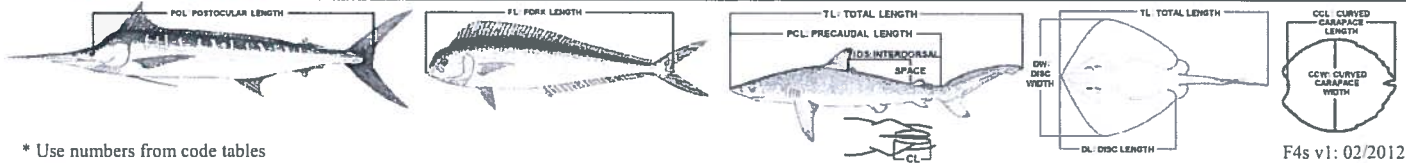
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks		Observations	
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL		SEMEN
13	10:15	BSH <i>Prionace glauca</i>	505	A	1	2	1	44.1	255	210	63	21	Y	N	
31	10:24	BSH <i>Prionace glauca</i>	506	A	1	2	2	19	200	160	40				
13	10:27	BSH <i>Prionace glauca</i>	507	A	1	2	1	58.5	270	230	60	22	Y	N	
13	10:43	BSH <i>Prionace glauca</i>	508	A	1	2	2	32.4	230	190	41				
13	10:45	BSH <i>Prionace glauca</i>	509	A	1	2	2	23	210	170	41				
13	10:55	SWO <i>Xiphias gladius</i>	510	A	1	2	1	29.2	145						
13	11:04	BSH <i>Prionace glauca</i>	511	A	1	2	2	15.6	180	150	40				
13	11:55	BSH <i>Prionace glauca</i>	512	A	1	2	2	15.6	190	150	43				
13	11:56	BSH <i>Prionace glauca</i>	513	A	2	2	1	37.9	250	200	62	20	Y	N	
13	12:15	BSH <i>Prionace glauca</i>	514	A	2	2	2	27.4	235	180	46				
13	12:24	SWO <i>Xiphias gladius</i>	515	A	1	2	1	13.9	115						
13	12:30	SWO <i>Xiphias gladius</i>	516	A	1	2	2	53.3	175						
13	12:53	SWO <i>Xiphias gladius</i>	517	A	1	2	1	32.5	150						
13	13:05	BET <i>Thunnus obesus</i>	518	A	1	2	1	70.5	160						
13	13:21	SWO <i>Xiphias gladius</i>	519	A	1	2	1	44.2	165						
13	13:48	SWO <i>Xiphias gladius</i>	520	A	1	2	1	26.1	140						
13	13:57	SWO <i>Xiphias gladius</i>	521	A	2	2	1	8.9	100						
13	14:02	SWO <i>Xiphias gladius</i>	522	A	2	2	2	103.5	215						
13	14:18	WAH <i>Acanthocybium solandri</i>	523	A	2	5		5.3	100						
13	14:45	BSH <i>Prionace glauca</i>	524	A	2	2	1	75.7	290	250	61	20	Y	N	
13	15:05	BSH <i>Prionace glauca</i>	525	A	2	2	1	75.7	220	200	50	20	Y	N	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
13	15:15	SWO Xiphias gladius	526	A	2	2	1	29.2	145						
13	15:18	SWO Xiphias gladius	527	A	2	2	1	63.8	185						
13	15:38	SWO Xiphias gladius	528	A	1	1	1	58.4	180						
13	15:47	SWO Xiphias gladius	529	A	1	2	1	26.1	140						
13	15:51	BSH Prionace glauca	530	A	1	2	2	27.4	230	180	50				
13	15:56	SWO Xiphias gladius	531	A	1	2	2	26.1	140						
13	15:59	BSH Prionace glauca	532	A	2	2	2	23	220	170	49				
13	16:08	BSH Prionace glauca	533	A	2	2	2	23	210	170	49				
13	16:16	SWO Xiphias gladius	534	A	1	2	2	23.2	135						
13	16:20	SWO Xiphias gladius	535	A	2	2	1	82	200						
13	16:25	SWO Xiphias gladius	536	A	2	2	1	44.2	165						
13	16:34	SWO Xiphias gladius	537	A	1	2	1	26.1	140						
13	16:47	SWO Xiphias gladius	538	A	2	2	1	26.1	140						
13	16:54	SWO Xiphias gladius	539	A	3	2	2	128.7	230						
13	17:16	SWO Xiphias gladius	540	A	2	2	1	29.2	145						
13	17:20	BSH Prionace glauca	541	A	1	2	2	20.9	205	165	45				
13	19:05	SWO Xiphias gladius	542	A	1	2	1	20.6	130						
13	19:13	SWO Xiphias gladius	543	A	2	2	1	15.9	120						
13	19:31	SWO Xiphias gladius	544	A	1	2	2	12.7	110						
13	19:34	MLS Tetrapurus audax	545	A	1	2	1	41.8	190						
13	19:56	SWO Xiphias gladius	546	A	1	2	1	8.9	100						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

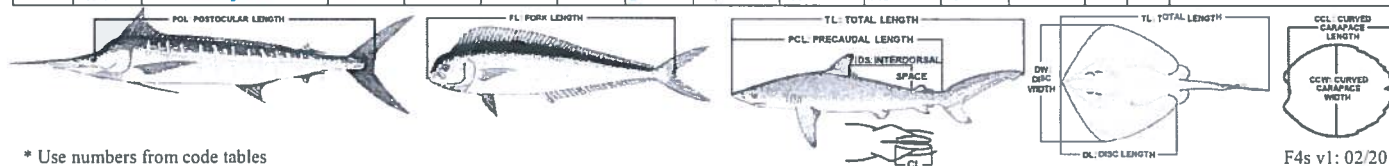
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
13	20:15	SWO Xiphias gladius	547	A	2	2	2	20.6	130						
13	20:38	BSH Prionace glauca	548	A	1	2	2	10	190	130	42				
14	9:56	SWO Xiphias gladius	549	A	2	2	1	12.1	110						
14	10:18	BSH Prionace glauca	550	A	2	2	1	40.9	230	205	46	17	y	y	
14	10:22	SWO Xiphias gladius	551	A	1	2	2	58.4	180						
14	10:40	SWO Xiphias gladius	552	A	2	2	1	15.9	120						
14	10:57	BSH Prionace glauca	553	A	1	2	2	19	190	160	41				
14	11:42	WAH Acanthocybium solandri	554	A	2	1									So cabeça
14	11:54	SWO Xiphias gladius	555	A	2	2	1	20.6	130						
14	13:21	SWO Xiphias gladius	556	A	1	2	1	191.2	260						
14	13:31	BSH Prionace glauca	557	A	2	2	1	37.9	250	200	55	20	y	n	
14	13:59	SWO Xiphias gladius	558	A	1	2	2	23.2	135						
14	14:02	SWO Xiphias gladius	559	A	1	2	2	10.4	105						
14	14:08	SWO Xiphias gladius	560	A	1	2	1	20.6	130						
14	14:12	SWO Xiphias gladius	561	A	2	2	1	20.6	130						
14	14:24	SWO Xiphias gladius	562	A	1	2	1	29.2	145						
14	14:34	SWO Xiphias gladius	563	A	1	2	1	32.5	150						
14	14:37	SWO Xiphias gladius	564	A	2	2	1	32.5	150						
14	14:41	SSP Tetraplurus angustirostris	565	A	2	2	2		150						
14	14:49	BSH Prionace glauca	566	A	1	2	1	50.9	290	220	60	21	y	n	
14	15:15	BSH Prionace glauca	567	A	2	2	2	12.6	185	140	40				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

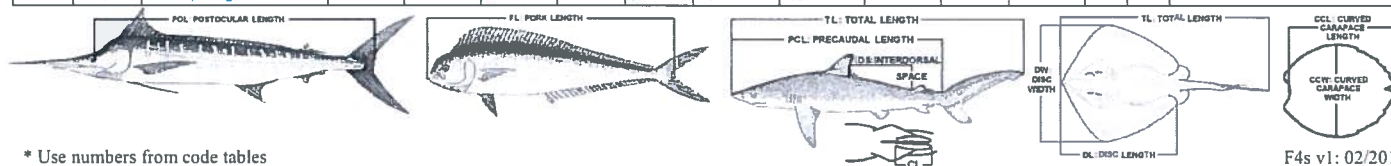
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
14	15:23	BSH <i>Prionace glauca</i>	568	A	1	2	2	27.4	230	180	42				
14	15:30	SWO <i>Xiphias gladius</i>	569	A	1	2	1	10.4	105						
14	15:48	SWO <i>Xiphias gladius</i>	570	A	1	2	1	15.9	120						
14	16:25	SWO <i>Xiphias gladius</i>	571	A	1	2	1	69.5	190						
14	16:34	SWO <i>Xiphias gladius</i>	572	A	1	2	1	23.2	135						
14	16:45	SWO <i>Xiphias gladius</i>	573	A	1	2	1	44.2	165						
14	16:51	SWO <i>Xiphias gladius</i>	574	A	1	2	2	12.1	110						
14	17:10	BSH <i>Prionace glauca</i>	575	A	2	2	1	58.5	295	230	60	21	y	y	
14	18:45	SPN <i>Sphyrna</i> spp	576	A	3	5	1								
14	18:47	SWO <i>Xiphias gladius</i>	577	A	2	2	1	69.5	190						
14	18:50	SWO <i>Xiphias gladius</i>	578	A	1	2	1	8.9	100						
14	18:58	SWO <i>Xiphias gladius</i>	579	A	1	2	1	26.1	140						
14	19:10	SWO <i>Xiphias gladius</i>	580	A	2	2	2	179.6	255						
14	19:36	SWO <i>Xiphias gladius</i>	581	A	2	2	1	32.5	150						
14	19:55	SWO <i>Xiphias gladius</i>	582	A	2	2	1	111.5	220						
14	19:58	BSH <i>Prionace glauca</i>	583	A	1	2	1	32.4	230	190	51	21	y	n	
15	9:25	BSH <i>Prionace glauca</i>	584	A	1	2	1	50.9	260	220	53	22	y	n	
15	9:39	BSH <i>Prionace glauca</i>	585	A	1	2	2	27.4	215	180	44				
15	10:06	SWO <i>Xiphias gladius</i>	586	A	1	2	1	69.5	190						
15	10:45	SWO <i>Xiphias gladius</i>	587	A	2	2	2	147.5	240						
15	11:10	SWO <i>Xiphias gladius</i>	588	A	1	2	1	40	160						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

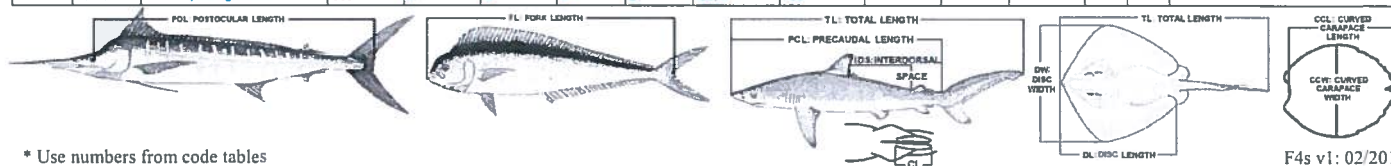
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
15	11:11	SWO Xiphias gladius	589	A	2	2	1	8.9	100						
15	12:10	BSH Prionace glauca	590	A	2	2	2	12.6	190	140	36				
15	12:27	SWO Xiphias gladius	591	A	2	2	2	147.6	240						
15	12:59	SWO Xiphias gladius	592	A	2	2	1	44.2	165						
15	13:24	SWO Xiphias gladius	593	A	2	2	1	53.3	175						
15	13:51	BSH Prionace glauca	594	A	2	2	2	37.9	240	200	48				
15	14:09	SWO Xiphias gladius	595	A	2	2	1	26.1	140						
15	14:16	SWO Xiphias gladius	596	A	2	2	1	29.2	145						
15	14:28	BSH Prionace glauca	597	A	1	2	2	32.4	230	190	50				
15	14:40	SWO Xiphias gladius	598	A	1	2	2	58.4	180						
15	14:50	SWO Xiphias gladius	599	A	1	2	1	23.2	135						
15	15:16	SWO Xiphias gladius	600	A	1	2	1	26.1	140						
15	15:58	SWO Xiphias gladius	601	A	3	2	2	58.4	180						
15	16:08	SWO Xiphias gladius	602	A	1	2	1	40	160						
15	16:13	SWO Xiphias gladius	603	A	1	2	1	29.2	145						
15	19:20	SWO Xiphias gladius	604	A	1	2	1	15.9	120						
15	19:34	SWO Xiphias gladius	605	A	1	2	1	20.6	130						
15	19:45	SMA Isurus oxyrinchus	606	A	1	2	2	52.4	210	190	51				
15	20:03	SWO Xiphias gladius	607	A	1	2	2	272.1	290						
15	20:25	SWO Xiphias gladius	608	A	2	1									So a cabeça comido pela Orca
15	20:25	SWO Xiphias gladius	609	A	2	2	2	58.4	180						



* Use numbers from code tables

F4s v1: 02/2012

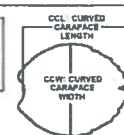
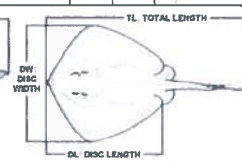
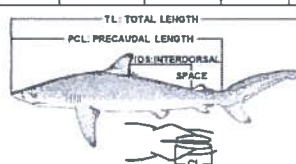
CATCH FORM¹

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
16	13:05	BSH <i>Prionace glauca</i>	610	A	1	2	2	19	200	160	41				
16	13:14	BSH <i>Prionace glauca</i>	611	A	1	2	2	27.4	235	180	46				
16	13:30	SWO <i>Xiphias gladius</i>	612	A	2	2	1	32.5	150						
16	13:52	SWO <i>Xiphias gladius</i>	613	A	1	2	1	20.6	130						
16	14:25	SWO <i>Xiphias gladius</i>	614	A	1	2	1	88.8	205						
16	14:28	BSH <i>Prionace glauca</i>	615	A	2	2	2	12.6	170	140	34				
16	14:33	SWO <i>Xiphias gladius</i>	616	A	1	2	2	26.1	140						
16	14:36	SWO <i>Xiphias gladius</i>	617	A	1	2	1	20.6	130						
16	14:43	SMA <i>Isurus oxyrinchus</i>	618	A	3	2	2	204	370	300	90				
16	15:36	SWO <i>Xiphias gladius</i>	619	A	3	2	1	26.1	140						
16	15:41	LEC <i>Lepidocybium flavobrunneum</i>	620	A	2	2	2	9.5	100						
16	16:19	SWO <i>Xiphias gladius</i>	621	A	1	2	1	82	200						
16	16:26	SWO <i>Xiphias gladius</i>	622	A	2	2	1	15.9	120						
16	16:34	SWO <i>Xiphias gladius</i>	623	A	1	2	1	20.6	130						
16	16:40	BSH <i>Prionace glauca</i>	624	A	2	2	2	27.4	210	180	42				
16	19:04	BSH <i>Prionace glauca</i>	625	A	2	2	2	27.4	210	180	44				
16	19:17	SWO <i>Xiphias gladius</i>	626	A	2	2	2	12.1	100						
16	19:25	BSH <i>Prionace glauca</i>	627	A	2	2	2	19	195	160	43				
16	19:30	SWO <i>Xiphias gladius</i>	628	A	2	2	1	69.5	190						
16	19:45	SWO <i>Xiphias gladius</i>	629	A	1	2	1	69.5	190						
16	19:56	SWO <i>Xiphias gladius</i>	630	A	1	2	2	69.5	190						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
16	20:33	SWO Xiphias gladius	631	A	3	2	1	15.9	120						
16	21:48	BSH Prionace glauca	632	A	1	2	2	23	210	170	42				
16	21:58	LEC Lepidocybium flavobrunneum	633	A	2	2	2	6.8	90						
16	22:35	BSH Prionace glauca	634	A	1	2	1	75.7	330	250	70	23	y	n	
16	22:54	SWO Xiphias gladius	635	A	2	2	1	32.5	150						
16	23:03	SMA Isurus oxyrinchus	636	A	1	5	2								Descartado individuo lacerado pela heitca
17	10:24	ALV Alopias vulpinus	637	A	2	5									
17	10:43	BSH Prionace glauca	638	A	2	2	2	27.4	230	180	43				
17	11:14	BSH Prionace glauca	639	A	2	2	1	37.9	250	200	63	20	y	n	
17	11:55	SWO Xiphias gladius	640	A	2	2	2	23.2	135						
17	12:05	BSH Prionace glauca	641	A	1	2	2	37.9	250	200	49				
17	12:50	SMA Isurus oxyrinchus	642	A	2	2	2	61	250	200	49				
17	13:13	LEC Lepidocybium flavobrunneum	643	A	2	2	2	12.7	110						
17	14:04	SWO Xiphias gladius	644	A	2	2	1	20.6	130						
17	14:14	SWO Xiphias gladius	645	A	2	2	2	26.1	140						
17	14:24	BSH Prionace glauca	646	A	1	2	2	32.4	230	190	44				
17	14:55	LEC Lepidocybium flavobrunneum	647	A	2	2	2	33.2	150						
17	15:18	SWO Xiphias gladius	648	A	2	2	1	26.1	140						
17	15:27	SWO Xiphias gladius	649	A	1	2	1	23.2	135						
17	15:38	BSH Prionace glauca	650	A	1	2	1	85.5	310	260	66	23	y	y	
17	16:09	LEC Lepidocybium flavobrunneum	651	A	2	2	2	18.9	125						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

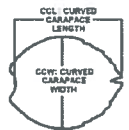
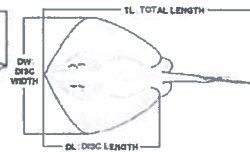
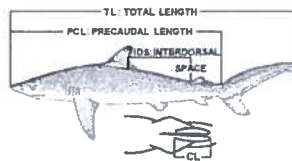
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
17	16:21	SMA <i>Isurus oxyrinchus</i>	652	A	1	2	2	52.4	230	190	56				
17	16:30	SWO <i>Xiphias gladius</i>	653	A	1	2	1	58.4	180						
17	16:58	BSH <i>Prionace glauca</i>	654	A	1	2	2	19	200	160	40				
17	17:10	BSH <i>Prionace glauca</i>	655	A	1	2	2	27.4	220	180	44				
17	18:00	SWO <i>Xiphias gladius</i>	656	A	3	2	2	216	270						
18	9:28	SWO <i>Xiphias gladius</i>	657	A	1	2	1	15.9	120						
18	9:46	SMA <i>Isurus oxyrinchus</i>	658	A	2	2	2	37.6	185	170	50				
18	9:51	BSH <i>Prionace glauca</i>	659	A	1	2	1	37.9	240	200	54	19	y	n	
18	10:34	SWO <i>Xiphias gladius</i>	660	A	1	2	1	32.5	150						
18	10:45	SWO <i>Xiphias gladius</i>	661	A	1	2	1	53.3	175						
18	10:58	BSH <i>Prionace glauca</i>	662	A	1	2	2	29.8	215	185	45				
18	11:30	SWO <i>Xiphias gladius</i>	663	A	2	2	2	15.9	120						
18	12:30	BSH <i>Prionace glauca</i>	664	A	2	2	2	25.1	205	175	42				
18	12:39	BSH <i>Prionace glauca</i>	665	A	2	2	2	19	180	160	33				
18	12:46	SWO <i>Xiphias gladius</i>	666	A	1	2	1	29.2	145						
18	12:51	BSH <i>Prionace glauca</i>	667	A	2	2	2	44.1	240	210	50				
18	13:02	BSH <i>Prionace glauca</i>	668	A	2	2	2	32.4	230	190	52				
18	13:26	SWO <i>Xiphias gladius</i>	669	A	2	2	1	12.1	110						
18	13:35	BSH <i>Prionace glauca</i>	670	A	2	2	2	23	220	170	46			1	
18	13:39	SWO <i>Xiphias gladius</i>	671	A	1	2	1	20.6	130						
18	13:50	WAH <i>Acanthocybium solandri</i>	672	A	2	5									



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

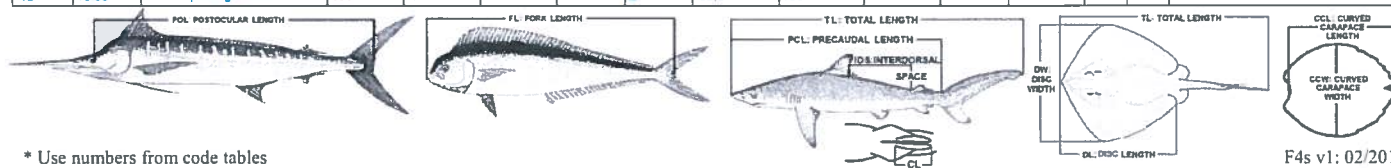
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
18	13:55	SWO Xiphias gladius	673	A	2	2	1	53.3	175						
18	14:00	ALV Alopias vulpinus	674	A	2	5									
18	14:22	SWO Xiphias gladius	675	A	1	2	1	48.6	170						
18	14:56	SWO Xiphias gladius	676	A	1	2	1	15.9	120						
18	15:20	SWO Xiphias gladius	677	A	1	2	2	40	160						
18	15:47	YFT Thunnus albacares	678	A	3	2	2	38.1	135						
18	15:53	SWO Xiphias gladius	679	A	1	2	2	36.1	155						
18	16:03	SWO Xiphias gladius	680	A	1	2	2	26.1	140						
18	16:19	BSH Prionace glauca	681	A	1	2	2	15.6	175	150	39				
18	16:30	SWO Xiphias gladius	682	A	1	2	1	12.1	110						
18	16:37	SMA Isurus oxyrinchus	683	A	2	2	1	44.6	200	180	53	22	y	n	
18	16:51	SWO Xiphias gladius	684	A	1	2	1	18.1	125						
18	16:58	SWO Xiphias gladius	685	A	1	2	1	15.9	120						
18	17:11	SWO Xiphias gladius	686	A	2	2	2	82	200						
18	18:45	SWO Xiphias gladius	687	A	1	2	2	203.3	265						
18	20:09	SWO Xiphias gladius	688	A	3	2	2	111.5	220						
19	9:15	BSH Prionace glauca	689	A	1	2	1	29.8	220	185	50	18	y	y	
19	9:45	ALV Alopias vulpinus	690	A	2	5									
19	10:11	BET Thunnus obesus	691	A	3	2	1	30.4	120						
19	10:30	SWO Xiphias gladius	692	A	2	2	1	44.2	165						
19	10:39	SWO Xiphias gladius	693	A	1	2	2	32.5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
19	10:45	SWO Xiphias gladius	694	A	1	2	1	10.4	105						
19	10:50	SWO Xiphias gladius	695	A	1	2	1	32.5	150						
19	11:15	SWO Xiphias gladius	696	A	2	2	2	32.5	150						
19	11:45	BSH Prionace glauca	697	A	2	2	1	27.4	220	180	51	19	y	n	
19	11:53	SWO Xiphias gladius	698	A	2	2	1	137.9	235						
19	12:08	SWO Xiphias gladius	699	A	1	2	2	36.1	155						
19	12:23	ALV Alopias vulpinus	700	A	2	5									
19	12:37	BSH Prionace glauca	701	A	2	1	1	44.1	235	210	56	19	y	n	
19	12:59	SWO Xiphias gladius	702	A	2	2	1	20.6	130						
19	13:01	BSH Prionace glauca	703	A	1	2	2	37.9	240	200	52				
19	13:18	SWO Xiphias gladius	704	A	2	2	1	48.6	170						
19	13:38	SWO Xiphias gladius	705	A	2	2	1	32.5	150						
19	13:40	SWO Xiphias gladius	706	A	1	2	2	15.9	120						
19	13:44	SWO Xiphias gladius	707	A	2	2	1	23.2	135						
19	13:53	SWO Xiphias gladius	708	A	1	3	1	58.4	180						Comido na cauda/ Cozinha
19	14:15	MLS Tetrapturus audax	709	A	2	2	2	35	180						
19	14:34	SWO Xiphias gladius	710	A	2	2	1	15.9	120						
19	14:41	BUM Makaira nigricans	711	A	2	2	1	35	180						
19	14:58	BSH Prionace glauca	712	A	1	2	2	19	200	160	36				
19	15:04	BSH Prionace glauca	713	A	2	2	2	19	180	160	40				
19	15:08	SWO Xiphias gladius	714	A	1	2	1	29.2	145						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

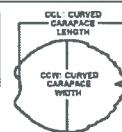
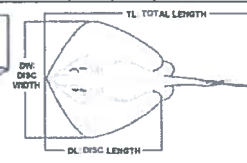
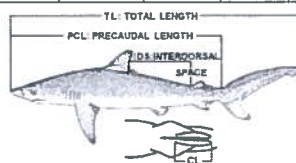
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
19	15:14	SWO Xiphias gladius	715	A	1	2	1	29.2	145						
19	15:23	BSH Prionace glauca	716	A	2	2	1	44.1	250	210	46	21	y	y	
19	15:33	SWO Xiphias gladius	717	A	1	2	1	15.9	120						
19	15:45	SWO Xiphias gladius	718	A	2	2	1	40	160						
19	16:00	BSH Prionace glauca	719	A	1	2	2	15.6	190	150	36				
19	16:08	SWO Xiphias gladius	720	A	1	2	1	20.6	130						
19	16:21	SWO Xiphias gladius	721	A	2	2	2	26.1	140						
19	16:28	BSH Prionace glauca	722	A	1	2	2	19	200	160	44				
19	16:30	SWO Xiphias gladius	723	A	2	2	2	82	200						
19	16:36	SWO Xiphias gladius	724	A	2	2	2	96	210						
19	17:12	SWO Xiphias gladius	725	A	2	2	1	32.5	150						
19	18:20	SWO Xiphias gladius	726	A	1	2	1	12.1	110						
19	18:25	SWO Xiphias gladius	727	A	2	2	1	29.2	145						
19	18:40	BSH Prionace glauca	728	A	1	2	2	23	205	170	42				
19	18:46	BSH Prionace glauca	729	A	1	2	1	32.4	210	190	52	21	y	n	
19	18:58	SWO Xiphias gladius	730	A	2	2	1	32.5	150						
19	19:06	SWO Xiphias gladius	731	A	1	2	2	63.8	185						
19	19:13	SWO Xiphias gladius	732	A	2	2	1	75.6	195						
19	19:20	SMA Isurus oxyrinchus	733	A	1	2	2	61	230	200	61				
19	19:21	BSH Prionace glauca	734	A	1	2	1	44.1	240	210	52	19	y	n	
19	19:35	SWO Xiphias gladius	735	A	2	2	2	53.3	175						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

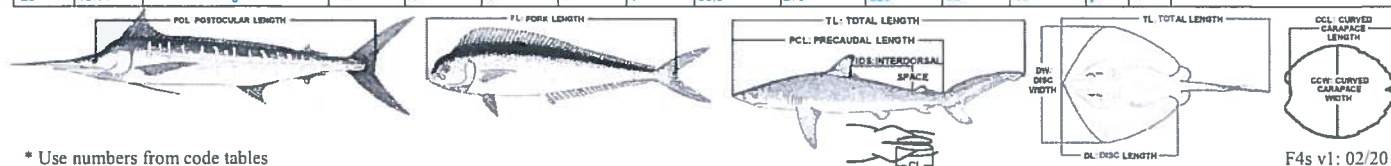
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
19	19:45	SWO Xiphias gladius	736	A	3	2	2	44.2	165						
19	19:55	SWO Xiphias gladius	737	A	2	2	2	69.5	190						
20	9:45	SWO Xiphias gladius	738	A	1	3									so metade para consumo da tripulação
20	9:55	BSH Prionace glauca	739	A	1	2	1	44.1	250	210	60	21	y	n	
20	10:00	BUM Makaira nigricans	740	A	1	2	2	68.1	220						
20	10:04	SWO Xiphias gladius	741	A	2	1	1	29.2	145						
20	10:24	BSH Prionace glauca	742	A	2	2	1	32.4	240	190	48	20	y	n	
20	11:00	ALV Alopias vulpinus	743	A	2	5	2								
20	11:21	SWO Xiphias gladius	744	A	1	2	1	26.1	140						
20	11:28	BSH Prionace glauca	745	A	1	2	2	29.8	215	185	44				
20	11:38	LEC Lepidocybium flavobrunneum	746	A	1	2	2	9.5	100						
20	12:01	BSH Prionace glauca	747	A	2	2	1	37.9	250	200	55	21	y	n	
20	12:03	WAH Acanthocybium solandri	748	A	2	3									Consumo para a tripulação
20	12:20	SWO Xiphias gladius	749	A	2	2	1	48.6	170						
20	12:25	SWO Xiphias gladius	750	A	1	2	2	36.1	155						
20	12:37	SWO Xiphias gladius	751	A	2	2	2	63.8	185						
20	12:43	BET Thunnus obesus	752	A	2	2	2	91.7	175						
20	12:54	SWO Xiphias gladius	753	A	1	2	1	12.1	110						
20	13:05	SWO Xiphias gladius	754	A	1	2	1	20.6	130						
20	13:07	SWO Xiphias gladius	755	A	1	2	2	26.1	140						
20	13:14	BSH Prionace glauca	756	A	1	2	1	50.9	270	220	53	19	y	n	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

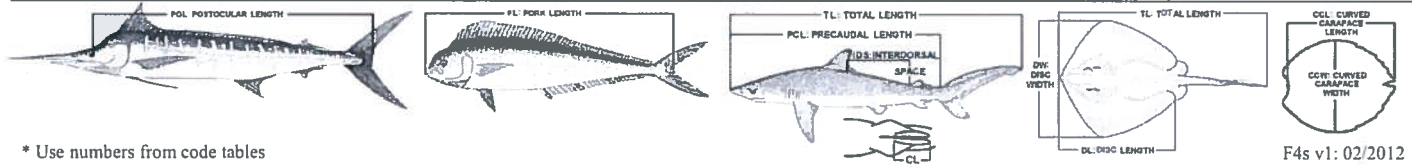
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
20	13:22	SWO Xiphias gladius	757	A	1	2	1	26.1	140						
20	13:35	SWO Xiphias gladius	758	A	1	2	1	26.1	140						
20	13:39	BSH Prionace glauca	759	A	1	2	1	50.9	270	220	53	19	y	n	
20	13:42	SWO Xiphias gladius	760	A	2	2	2	35.1	225	195	47				
20	13:54	SWO Xiphias gladius	761	A	1	2	2	36.1	155						
20	14:04	SWO Xiphias gladius	762	A	2	2	2	29.2	145						
20	14:10	SWO Xiphias gladius	763	A	2	2	1	8.9	100						
20	14:20	SWO Xiphias gladius	764	A	1	2	1	15.9	120						
20	14:41	ALV Alopias vulpinus	765	A	2	5									
20	14:49	WAH Acanthocybium solandri	766	A	1	1									
20	14:55	LEC Lepidocybium flavobrunneum	767	A	2	2	2	18.9	125						
20	14:57	SWO Xiphias gladius	768	A	3	2	2	53.3	175						
20	15:02	SWO Xiphias gladius	769	A	1	2	1	53.3	175						
20	15:24	SWO Xiphias gladius	770	A	3	2	1	53.3	175						
20	15:35	SWO Xiphias gladius	771	A	2	2	2	119.9	225						
20	15:57	SWO Xiphias gladius	772	A	1	2	1	29.2	145						
20	16:05	SWO Xiphias gladius	773	A	2	2	1	44.2	165						
20	16:21	SWO Xiphias gladius	774	A	1	2	1	32.5	150						
20	16:25	SWO Xiphias gladius	775	A	1	2	1	20.6	130						
20	16:36	SWO Xiphias gladius	776	A	2	2	1	40	160						
20	16:47	SWO Xiphias gladius	777	A	2	2	2	53.3	175						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
20	16:56	SWO Xiphias gladius	778	A	1	2	1	53.3	175						
20	18:36	SWO Xiphias gladius	779	A	1	2	1	25.1	140						
20	18:30	BSH Prionace glauca	780	A	1	2	2	37.9	240	200	51				
20	18:10	BSH Prionace glauca	781	A	1	2	2	32.4	230	190	53				
20	19:03	SMA Isurus oxyrinchus	782	A	3	2	1	31.4	190	160	48	21	y	n	
20	19:13	SWO Xiphias gladius	783	A	1	2	2	10.4	105						
20	19:20	SWO Xiphias gladius	784	A	2	2	2	96	210						
20	19:25	SWO Xiphias gladius	785	A	1	2	1	40	160						
20	19:36	BSH Prionace glauca	786	A	1	2	1	44.1	240	210	52	20	y	n	
20	19:40	SWO Xiphias gladius	787	A	2	2	1	20.6	130						
20	19:51	SWO Xiphias gladius	788	A	1	2	2	6.4	90						
20	19:54	SWO Xiphias gladius	789	A	1	2	2	32.5	150						
21	9:55	SWO Xiphias gladius	790	A	2	2	2	18.1	125						
21	10:20	BSH Prionace glauca	791	A	2	2	1	44.1	230	210	59	21	y	n	
21	10:43	SWO Xiphias gladius	792	A	2	2	2	26.1	140						
21	10:45	BSH Prionace glauca	793	A	2	2	2	40.9	250	205	50				
21	10:55	SWO Xiphias gladius	794	A	1	2	2	75.6	195						
21	12:12	SMA Isurus oxyrinchus	795	A	1	2	2	52.4	210	190	64				
21	12:28	SWO Xiphias gladius	796	A	1	2	1	26.1	140						
21	13:15	SWO Xiphias gladius	797	A	1	2	2	48.6	170						
21	13:30	BSH Prionace glauca	798	A	2	2	2	19	185	160	39				



* Use numbers from code tables

F4s v1: 02/2012

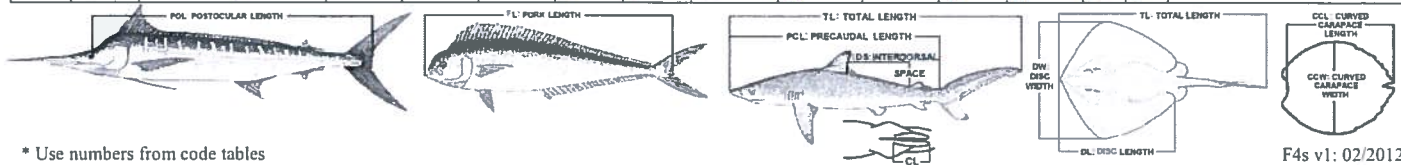
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
21	13:44	SSP <i>Tetrapturus angustirostris</i>	799	A	2	5									Solto Vivo
21	13:47	SWO <i>Xiphias gladius</i>	800	A	2	2	2	58.4	180						
21	13:54	BSH <i>Prionace glauca</i>	801	A	1	2	1	50.9	270	220	61	21	y	n	
21	14:06	SWO <i>Xiphias gladius</i>	802	A	1	2	1	26.1	140						
21	14:34	SWO <i>Xiphias gladius</i>	803	A	1	2	1	12.1	110						
21	15:09	SWO <i>Xiphias gladius</i>	804	A	1	2	2	12.1	110						
21	15:14	SWO <i>Xiphias gladius</i>	805	A	2	2	1	26.1	140						
21	15:21	BSH <i>Prionace glauca</i>	806	A	1	2	1	44.1	260	210	55	21	y	n	
21	15:37	SWO <i>Xiphias gladius</i>	807	A	1	2	1	20.6	130						
21	15:44	SWO <i>Xiphias gladius</i>	808	A	1	2	2	48.6	170						
21	15:54	SWO <i>Xiphias gladius</i>	809	A	1	2	1	26.1	140						
21	15:55	SWO <i>Xiphias gladius</i>	810	A	1	2	2	36.1	155						
21	16:01	SWO <i>Xiphias gladius</i>	811	A	3	2	1	26.1	140						
21	16:15	ALV <i>Alopias vulpinus</i>	812	A	3	5									
21	16:20	ALV <i>Alopias vulpinus</i>	813	A	2	5									
21	16:28	WAH <i>Acanthocybium solandri</i>	814	A	1	3	2	13.5	140						
21	16:34	LEC <i>Lepidocybium flavobrunneum</i>	815	A	1	2	2	26.8	140						
21	16:39	BSH <i>Prionace glauca</i>	816	A	2	2	2	44.1	240	210	55				
21	16:54	SWO <i>Xiphias gladius</i>	817	A	1	1									So cabeça, comido pela orca
21	17:04	BSH <i>Prionace glauca</i>	818	A	1	2	1	50.9	273	220	59	21	y	y	
21	17:14	BSH <i>Prionace glauca</i>	819	A	2	2	1	50.9	273	220	59	21	y	y	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

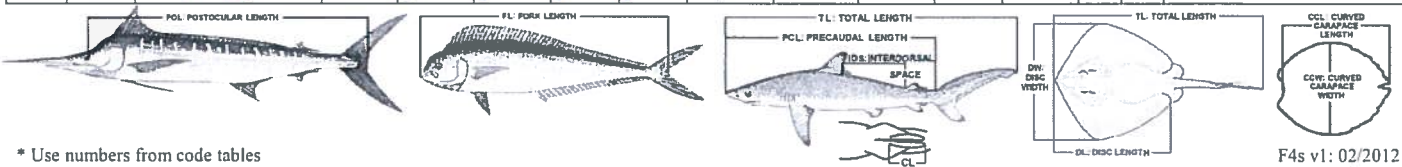
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
21	18:50	SWO Xiphas gladius	820	A	2	2	1	20.6	130						
21	18:30	SSP Tetraplurus angustirostris	821	A	1	2	2		160						
21	18:35	BSH Prionace glauca	822	A	2	2	1	37.9	240	200	52	17	y	n	
21	19:00	SWO Xiphas gladius	823	A	3	2	2	69.5	190						
21	19:12	BSH Prionace glauca	824	A	1	2	1	27.4	220	180	59	19	y	n	
21	19:17	BSH Prionace glauca	825	A	1	2	2	37.9	240	200	54				
21	19:20	SWO Xiphas gladius	826	A	3	2	1	20.6	130						
21	19:26	SWO Xiphas gladius	827	A	1	2	1	15.9	120						
21	19:35	SWO Xiphas gladius	828	A	1	2	1	15.9	120						
21	19:37	BSH Prionace glauca	829	A	1	2	1	32.4	230	190	45	15	y	n	
21	19:50	BSH Prionace glauca	830	A	1	2	2	23	190	170	40				
21	19:58	BUM Makaira nigricans	831	A	2	2	2	68.1	220						
21	20:21	SWO Xiphas gladius	832	A	1	2	1	58.4	180						
21	20:46	SWO Xiphas gladius	833	A	1	1									So cabeça
22	10:14	SWO Xiphas gladius	834	A	1	2	2	32.5	150						
22	10:35	SWO Xiphas gladius	835	A	1	2	1	36.1	155						
22	10:41	SWO Xiphas gladius	836	A	1	2	1	6.4	90						
22	10:55	SWO Xiphas gladius	837	A	1	2	1	26.1	140						
22	10:58	SWO Xiphas gladius	838	A	1	2	2	8.9	100						
22	11:08	SWO Xiphas gladius	839	A	1	2	2	96	210						
22	11:29	SWO Xiphas gladius	840	A	2	2	2	157.8	245						



* Use numbers from code tables

F4s v1: 02/2012

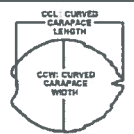
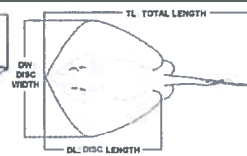
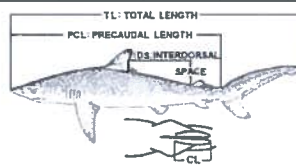
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
22	11:50	SWO Xiphias gladius	841	A	2	2	1	23,2	135						
22	11:56	SWO Xiphias gladius	842	A	1	2	1	15,9	120						
22	12:05	BSH Prionace glauca	843	A	1	2	2	19	200	160	46				
22	12:20	BSH Prionace glauca	844	A	2	2	2	27,4	210	180	51				
22	12:24	ALV Alopias vulpinus	845	A	2	5									
22	12:31	SWO Xiphias gladius	846	A	1	2	1	15,9	120						
22	12:34	SWO Xiphias gladius	847	A	1	2	2	40	160						
22	12:54	BSH Prionace glauca	848	A	2	2	2	23	220	170	47				
22	13:20	SWO Xiphias gladius	849	A	3	2	2	82	200						
22	13:25	SWO Xiphias gladius	850	A	2	2	2	82	200						
22	13:38	SWO Xiphias gladius	851	A	2	2	2	128,7	230						
22	14:00	BSH Prionace glauca	852	A	2	2	2	23	190	170	40				
22	14:45	SWO Xiphias gladius	853	A	2	2	1	119,9	225						
22	14:56	SWO Xiphias gladius	854	A	1	2	2	15,9	120						
22	15:15	SWO Xiphias gladius	855	A	1	2	1	26,1	140						
22	15:35	SWO Xiphias gladius	856	A	2	2	1	58,4	180						
22	15:36	SWO Xiphias gladius	857	A	3	2	1	15,9	120						
22	15:45	SWO Xiphias gladius	858	A	1	2	1	26,1	140						
22	15:47	SWO Xiphias gladius	859	A	1	2	1	20,6	130						
22	16:05	SWO Xiphias gladius	860	A	1	2	2	15,9	120						
22	16:30	SWO Xiphias gladius	861	A	1	2	1	69,5	190						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

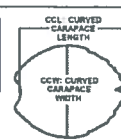
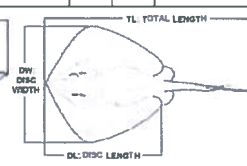
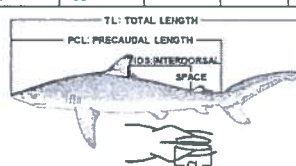
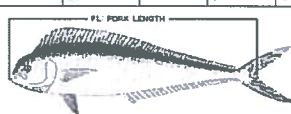
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
22	16:40	SWO Xiphias gladius	862	A	3	2	1	23.2	135						
22	16:45	SWO Xiphias gladius	863	A	1	2	2	15.9	120						
22	17:00	SWO Xiphias gladius	864	A	1	2	1	69.5	190						
22	18:49	SWO Xiphias gladius	865	A	1	2	2	26.1	140						
22	18:56	SWO Xiphias gladius	866	A	1	2	1	36.1	155						
22	19:13	SWO Xiphias gladius	867	A	1	2	1	88.8	205						
22	19:30	BSH Prionace glauca	868	A	2	2	2	32.4	220	190	49				
22	19:43	BSH Prionace glauca	869	A	1	2	2	19	200	150	39				Ja trazia um anzol de outro aparelho
22	19:50	SWO Xiphias gladius	870	A	1	2	2	75.6	195						
23	12:17	BSH Prionace glauca	871	A	1	2	2	44.1	240	210	51				
23	13:00	BSH Prionace glauca	872	A	2	2	2	19	190	150	47				
23	13:34	SWO Xiphias gladius	873	A	2	2	1	32.5	150						
23	13:51	BSH Prionace glauca	874	A	1	2	2	70.5	230	210	59				
23	14:25	SWO Xiphias gladius	875	A	3	2	1	48.6	170						
23	14:31	LEC Lepidocybium flavobrunneum	876	A	2	2	2	4.8	80						
23	14:33	SWO Xiphias gladius	877	A	1	2	2	128.7	230						
23	14:44	BSH Prionace glauca	878	A	1	2	1	27.4	230	180	49	19	Y	N	
23	14:58	SWO Xiphias gladius	879	A	1	2	2	58.4	180						
23	15:20	SWO Xiphias gladius	880	A	1	2	1	20.6	130						
23	15:40	SWO Xiphias gladius	881	A	1	2	1	63.8	185						
23	16:25	SWO Xiphias gladius	882	A	2	2	1	75.6	195						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

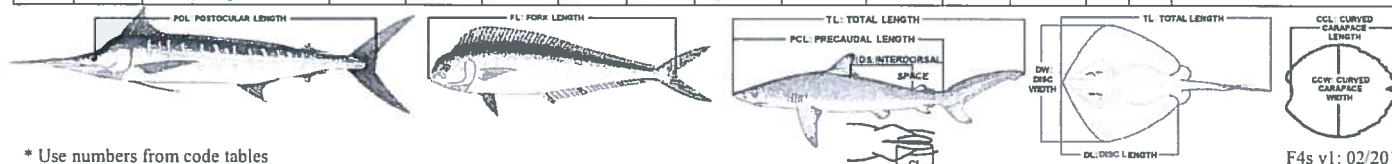
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
23	16:20	SWO Xiphias gladius	883	A	1	2	1	18,1	125						
23	16:41	BSH Prionace glauca	884	A	2	2	1	37,9	240	200	49	20	Y	N	
23	16:45	SWO Xiphias gladius	885	A	3	2	1	8,9	100						
23	17:20	BSH Prionace glauca	886	A	2	2	1	63,1	215						
23	18:10	SWO Xiphias gladius	887	A	1	2	2	257,3	285						
23	18:15	SWO Xiphias gladius	888	A	1	2	1	20,6	130						
23	18:25	SWO Xiphias gladius	889	A	1	2	2	40	160						
23	19:00	SWO Xiphias gladius	890	A	1	2	1	20,6	130						
23	19:04	SWO Xiphias gladius	891	A	1	2	1	15,9	120						
23	19:04	SWO Xiphias gladius	892	A	1	2	1	26,1	140						
23	19:14	SWO Xiphias gladius	893	A	1	2	1	20,6	130						
23	19:20	SWO Xiphias gladius	894	A	1	2	2	69,5	190						
23	19:25	BUM Makaira nigricans	895	A	1	2	2	49,6	200						
23	19:31	SWO Xiphias gladius	896	A	1	2	1	26,1	140						
23	19:37	SWO Xiphias gladius	897	A	1	2	1	15,9	120						
23	19:47	SWO Xiphias gladius	898	A	2	2	2	13,9	115						
23	19:58	BSH Prionace glauca	899	A	1	2	2	29,8	210	185	45				
23	20:18	SWO Xiphias gladius	900	A	1	2	1	6,4	90						
23	20:25	SWO Xiphias gladius	901	A	1	2	1	26,1	140						
23	20:36	BSH Prionace glauca	902	A	2	2	2	37,9	230	200	42				
23	20:38	SWO Xiphias gladius	903	A	1	2	1	12,1	110						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

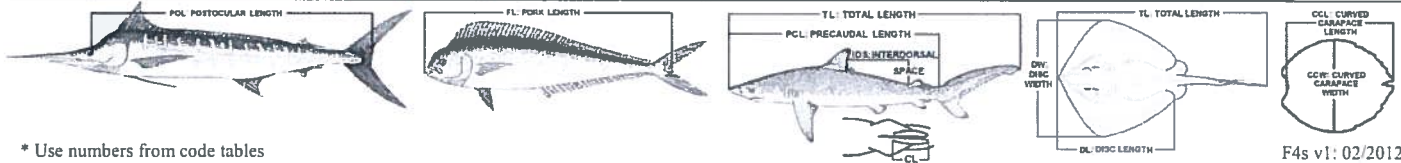
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
23	21:30	SWO Xiphias gladius	904	A	3	2	2	103,5	215						
23	21:31	SWO Xiphias gladius	905	A	2	2	2	75,6	195						
23	22:10	SWO Xiphias gladius	906	A	1	2	1	20,6	130						
23	22:15	BSH Prionace glauca	907	A	1	2	2	27,4	210	180	43				
24	10:15	BSH Prionace glauca	908	A	2	2	1	35,1	225	195	39	19	Y	N	
24	11:03	BSH Prionace glauca	909	A	2	2	2	29,8	215	185	47				
24	11:15	SSP Tetrapturus angustirostris	910	A	2	5									
24	11:20	SWO Xiphias gladius	911	A	2	2	2	53,3	175						
24	11:21	BSH Prionace glauca	912	A	2	2	2	32,4	230	190	49				
24	11:55	BSH Prionace glauca	913	A	1	2	2	15,6	190	150	35				
24	12:05	SWO Xiphias gladius	914	A	2	2	1	12,1	110						
24	12:21	SSP Tetrapturus angustirostris	915	A	2	2	2	1	180						
24	12:28	SWO Xiphias gladius	916	A	2	1	1	2,9	70						
24	12:39	SWO Xiphias gladius	917	A	1	2	1	58,4	180						
24	13:30	BUM Makaira nigricans	918	A	2	2	2	45,6	195						
24	13:42	SWO Xiphias gladius	919	A	1	2	1	26,1	140						
24	13:47	BSH Prionace glauca	920	A	1	2	2	23	210	170	46				
24	13:55	SWO Xiphias gladius	921	A	1	2	1	13,9	115						
24	14:25	LEC Lepidocybium flavobrunneum	922	A	1	2	2	2	60						
24	15:04	BSH Prionace glauca	923	A	2	2	2	29,8	220	185	49				
24	15:10	LEC Lepidocybium flavobrunneum	924	A	2	2	2	4,8	80						



* Use numbers from code tables

F4s v1: 02/2012

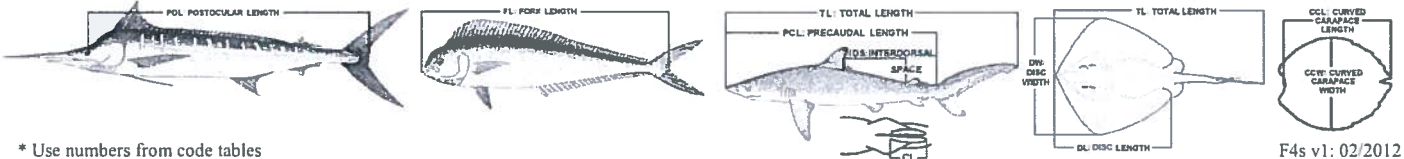
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
24	15:14	BSH <i>Prionace glauca</i>	925	A	2	2	2	96,1	300	270	62				
24	15:35	SWO <i>Xiphias gladius</i>	926	A	1	2	2	15,9	120						
24	15:44	SPN <i>Sphyma spp</i>	927	A	2	5									
24	15:49	BSH <i>Prionace glauca</i>	928	A	2	2	2	12,6	180	140	36				
24	16:06	BSH <i>Prionace glauca</i>	929	A	1	2	2	23	210	170	46				
24	16:10	SWO <i>Xiphias gladius</i>	930	A	1	2	2	48,6	170						
24	16:20	SWO <i>Xiphias gladius</i>	931	A	3	2	1	44,2	165						
24	16:40	SWO <i>Xiphias gladius</i>	932	A	1	2	1	29,2	145						
24	16:45	SWO <i>Xiphias gladius</i>	933	A	1	3	1								So cabeça, comido por orca
24	16:50	BSH <i>Prionace glauca</i>	934	A	2	2	2	15,6	180	150	36				
24	16:58	SWO <i>Xiphias gladius</i>	935	A	1	2	2	26,1	140						
24	17:04	BSH <i>Prionace glauca</i>	936	A	3	2	2	27,4	210	180	42				
24	18:36	SWO <i>Xiphias gladius</i>	937	A	3	2	1	63,8	185						
24	18:38	SWO <i>Xiphias gladius</i>	938	A	3	2	2	15,9	120						
24	19:00	SWO <i>Xiphias gladius</i>	939	A	2	2	1	15,9	120						
24	19:03	SWO <i>Xiphias gladius</i>	940	A	1	2	1	20,6	130						
24	19:04	BSH <i>Prionace glauca</i>	941	A	2	2	2	23	200	170	44				
24	19:16	SWO <i>Xiphias gladius</i>	942	A	1	2	2	26,1	140						
24	19:25	BSH <i>Prionace glauca</i>	943	A	1	2	2	19	190	160	43				
24	19:37	SWO <i>Xiphias gladius</i>	944	A	1	2	2	128,7	230						
24	19:55	LEC <i>Lepidocybium flavobrunneum</i>	945	A	2	2	2	21,3	130						



* Use numbers from code tables

F4s v1: 02/2012

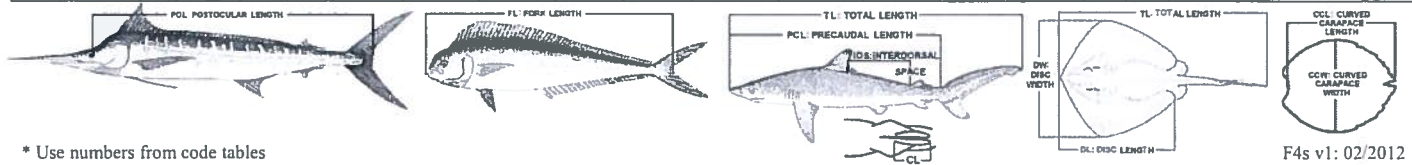
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
24	20:12	BSH <i>Prionace glauca</i>	946	A	1	2	2	44.1	260	210	50				
24	20:28	LEC <i>Lepidocybium flavobrunneum</i>	947	A	1	2	2	21.3	130						
25	10:54	SWO <i>Xiphias gladius</i>	948	A	1	2	2	36.1	155						
25	11:00	SWO <i>Xiphias gladius</i>	949	A	1	2	2	32.5	150						
25	12:13	SWO <i>Xiphias gladius</i>	950	A	2	2	2	58.4	180						
25	12:28	SWO <i>Xiphias gladius</i>	951	A	2	2	2	82	200						
25	12:42	SWO <i>Xiphias gladius</i>	952	A	1	2	1	15.9	120						
25	12:49	SWO <i>Xiphias gladius</i>	953	A	2	2	1	58.4	180						
25	13:00	SWO <i>Xiphias gladius</i>	954	A	1	2	1	26.1	140						
25	13:18	BSH <i>Prionace glauca</i>	955	A	3	2	2	32.4	210	190	45				
25	13:37	SWO <i>Xiphias gladius</i>	956	A	3	2	1	23.2	135						
25	14:05	SWO <i>Xiphias gladius</i>	957	A	1	2	1	20.6	130						
25	14:21	SWO <i>Xiphias gladius</i>	958	A	1	2	1	15.9	120						
25	14:54	BSH <i>Prionace glauca</i>	959	A	1	2	2	50.9	260	220	53				
25	15:28	SWO <i>Xiphias gladius</i>	960	A	1	2	1	29.2	145						
25	15:40	LEC <i>Lepidocybium flavobrunneum</i>	961	A	1	2	2	4.8	80						
25	15:52	SWO <i>Xiphias gladius</i>	962	A	1	2	2	20.6	130						
25	16:03	SWO <i>Xiphias gladius</i>	963	A	1	2	1	26.1	140						
25	16:15	BSH <i>Prionace glauca</i>	964	A	1	2	2	32.4	220	190	52				
25	16:43	BSH <i>Prionace glauca</i>	965	A	2	2	1	50.9	250	220	62	21	Y	N	
25	16:54	BSH <i>Prionace glauca</i>	966	A	1	2	1	50.9	250	220	61	21	Y	N	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
25	17:09	SWO Xiphias gladius	967	A	1	3	2	10,4	105						Mordido na cauda
25	17:15	SWO Xiphias gladius	968	A	2	2	2	32,5	150						
25	17:20	SWO Xiphias gladius	969	A	1	2		8,9	100						Não é possível ver o sexo porque a barriga foi mordida
25	18:56	BUM Makaira nigricans	970	A	2	2	2	91	240						
25	19:23	BUM Makaira nigricans	971	A	1	2	2	11	105						
25	19:26	SWO Xiphias gladius	972	A	2	2	2	63,8	185						
25	19:43	BSH Prionace glauca	973	A	1	2	2	27,4	210	180	43				
25	19:45	SWO Xiphias gladius	974	A	2	2	1	69,5	190						
25	19:50	SWO Xiphias gladius	975	A	2	2	1	69,5	190						
25	20:28	SWO Xiphias gladius	976	A	1	2	2	15,9	120						
25	20:38	BSH Prionace glauca	977	A	2	2	2	15,6	180	150	39				
25	20:56	BSH Prionace glauca	978	A	1	2	1	37,9	240	200	53	22	Y	N	
25	21:08	SWO Xiphias gladius	979	A	1	2	2	26,1	140						
25	21:15	SWO Xiphias gladius	980	A	2	2	1	8,9	100						
25	21:21	BUM Makaira nigricans	981	A	2	2	2	23,6	160						
26	11:18	SWO Xiphias gladius	982	A	1	2	1	18,1	125						
26	11:23	SWO Xiphias gladius	983	A	2	2	2	48,6	170						
26	11:37	SWO Xiphias gladius	984	A	2	2	1	20,6	130						
26	11:45	SWO Xiphias gladius	985	A	2	2	2	20,6	210						
26	12:04	BSH Prionace glauca	986	A	2	2	1	96	290	230	68	21	Y	Y	
26	12:09	BSH Prionace glauca	987	A	2	2	2	32,4	230	190	51				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

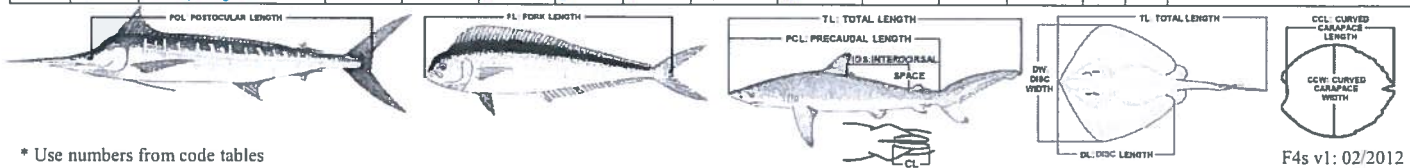
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
26	12:14	SWO Xiphas gladius	988	A	1	2	1	18,1	125						
26	12:25	SWO Xiphas gladius	989	A	1	2	1	18,1	125						
26	12:50	LEC Lepidocybium flavobrunneum	990	A	2	1									So cabeça
26	13:10	SWO Xiphas gladius	991	A	1	2	1	82	200						
26	13:37	SWO Xiphas gladius	992	A	1	2	1	26,1	140						
26	13:48	SWO Xiphas gladius	993	A	2	2	1	17,9	100						
26	13:55	BET Thunnus obesus	994	A	2	2	1	48,6	170						
26	13:58	SWO Xiphas gladius	995	A	1	2	2	53,3	175						
26	14:15	SWO Xiphas gladius	996	A	1	2	1	15,9	120						
26	14:41	SWO Xiphas gladius	997	A	1	2	1	12,1	110						
26	14:44	BSH Prionace glauca	998	A	2	2	2	27,4	210	190	47				
26	15:03	SWO Xiphas gladius	999	A	2	2	1	29,2	145						
26	15:26	BSH Prionace glauca	1000	A	1	2	2	27,4	210	190	44				
26	15:32	SMA Isurus oxyrinchus	1001	A	1	2	2	52,4	210	190	59				
26	15:35	SWO Xiphas gladius	1002	A	2	2	1	15,9	120						
26	15:45	SWO Xiphas gladius	1003	A	2	2	2	32,5	150						
26	15:45	SWO Xiphas gladius	1004	A	1	2	2	32,5	150						
26	16:23	BSH Prionace glauca	1005	A	1	2	2	37,9	250	230	49				
26	16:40	SWO Xiphas gladius	1006	A	1	3									So cabeça, comido pela orca
26	16:50	SWO Xiphas gladius	1007	A	1	2	2	32,5	150						
26	16:52	SWO Xiphas gladius	1008	A	1	2	1	58,4	180						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

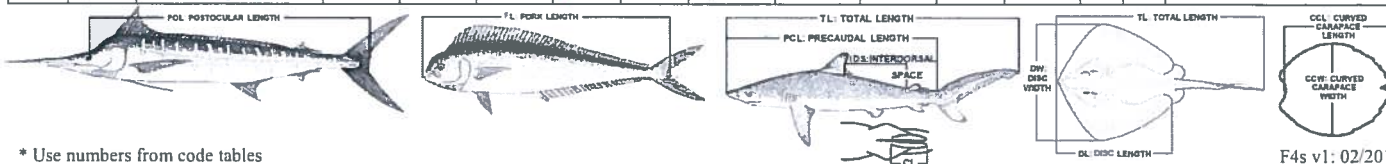
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
26	17:04	SWO Xiphas gladius	1009	A	1	2	2	44,2	165						
26	17:15	BSH Prionace glauca	1010	A	1	2	2	23	190	170	40				
26	18:52	SWO Xiphas gladius	1011	A	1	2	1	20,6	130						
26	18:58	SWO Xiphas gladius	1012	A	1	2	1	15,9	120						
26	18:30	LEC Lepidocybium flavobrunneum	1013	A	1	2	2	26,8	140						
26	19:03	BSH Prionace glauca	1014	A	1	2	2	37,9	240	200	49				
26	19:24	LEC Lepidocybium flavobrunneum	1015	A	1	2	2	18,9	125						
26	19:25	BSH Prionace glauca	1016	A	1	2	2	44,1	250	210	58				
26	19:36	SWO Xiphas gladius	1017	A	1	1	1								So cabeça comido pela orca
26	19:56	SWO Xiphas gladius	1018	A	1	2	2	213,7	310						
26	20:03	LEC Lepidocybium flavobrunneum	1019	A	1	2	2	16,6	120						
26	20:10	BSH Prionace glauca	1020	A	1	2	2	19	200	160	41				
26	20:20	SWO Xiphas gladius	1021	A	1	2	1	69,5	190						
26	20:28	BSH Prionace glauca	1022	A	1	2	2	19	190	160	38				
26	20:38	SWO Xiphas gladius	1023	A	1	2	2	15,9	120						
26	20:43	BSH Prionace glauca	1024	A	2	1	1	37,9	260	200	54	20	Y	N	
26	20:54	SWO Xiphas gladius	1025	A	1	2	2	111,5	220						
26	21:14	BSH Prionace glauca	1026	A	2	1	1	85,5	310	260	66	24	Y	N	
27	11:05	BSH Prionace glauca	1027	A	2	2	2	32,4	230	190	48				
27	11:40	BSH Prionace glauca	1028	A	1	2	2	32,4	230	190	45				
27	12:04	BSH Prionace glauca	1029	A	1	2	2	32,4	225	190	53				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

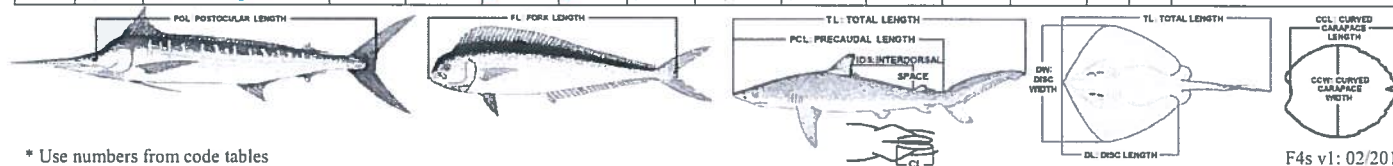
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
27	12:05	SWO <i>Xiphias gladius</i>	1030	A	1	2	2	15.9	120						
27	12:12	ALV <i>Alopias vulpinus</i>	1031	A	2	5									
27	12:32	BSH <i>Prionace glauca</i>	1032	A	2	2	2	27.4	200	180	43				
27	12:30	POR <i>Lamna nasus</i>	1033	A	1	5									
27	12:36	SWO <i>Xiphias gladius</i>	1034	A	2	2	1	15.9	120						
27	12:44	BSH <i>Prionace glauca</i>	1035	A	2	2	2	29.8	215	185	49				
27	12:54	SWO <i>Xiphias gladius</i>	1036	A	2	2	2	96	210						
27	13:05	SWO <i>Xiphias gladius</i>	1037	A	1	2	2	58.4	180						
27	13:18	WAH <i>Acanthocybium solandri</i>	1038	A	2	2	2	3.9	90						
27	13:22	BSH <i>Prionace glauca</i>	1039	A	1	2	2	32.4	240	190	47				
27	13:45	LEC <i>Lepidocybium flavobrunneum</i>	1040	A	2	2	2	21.3	130						
27	13:52	SWO <i>Xiphias gladius</i>	1041	A	1	2	1	18.1	125						
27	14:05	SWO <i>Xiphias gladius</i>	1042	A	1	2	1	26.1	140						
27	14:16	SWO <i>Xiphias gladius</i>	1043	A	1	2	1	20.6	130						
27	14:24	SWO <i>Xiphias gladius</i>	1044	A	2	2	2	12.1	110						
27	14:29	BSH <i>Prionace glauca</i>	1045	A	1	2	1	50.9	270	220	60	20	Y	N	
27	14:35	SWO <i>Xiphias gladius</i>	1046	A	2	2	1	32.5	150						
27	14:56	SWO <i>Xiphias gladius</i>	1047	A	1	2	2	26.1	140						
27	15:37	BSH <i>Prionace glauca</i>	1048	A	2	2	2	19	190	160	39				
27	15:50	SWO <i>Xiphias gladius</i>	1049	A	3	2	1	15.9	120						
27	18:00	BUM <i>Makaira nigricans</i>	1050	A	3	2	2	225.4	315						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

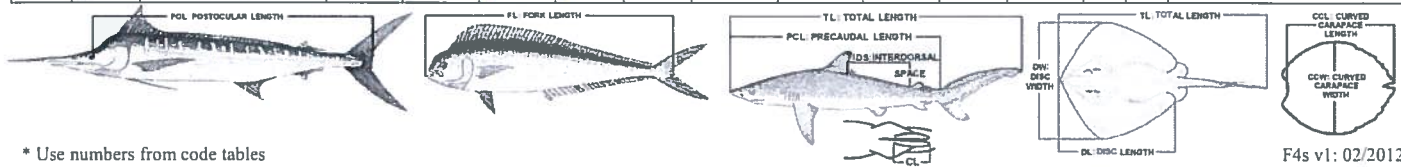
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
27	19:10	ALV <i>Alopias vulpinus</i>	1051	A	3	5									
27	21:00	SWO <i>Xiphias gladius</i>	1052	A	1	2	1	58,4	180						
27	21:26	SWO <i>Xiphias gladius</i>	1053	A	1	2	1	32,5	150						
27	22:00	SWO <i>Xiphias gladius</i>	1054	A	1	2	1	12,1	110						
27	22:10	BUM <i>Makaira nigricans</i>	1055	A	2	2	1	28,9	170						
27	22:24	SWO <i>Xiphias gladius</i>	1056	A	1	2	2	32,5	150						
27	22:30	SWO <i>Xiphias gladius</i>	1057	A	1	2	1	48,6	170						
27	22:48	SWO <i>Xiphias gladius</i>	1058	A	2	2	2	69,5	190						
27	22:54	SWO <i>Xiphias gladius</i>	1059	A	1	2	2	23,2	135						
27	23:45	SWO <i>Xiphias gladius</i>	1060	A	1	2	2	26,1	140						
27	0:03	SWO <i>Xiphias gladius</i>	1061	A	1	1									estava podre, e apresentava mordidas de queixa
27	0:23	BSH <i>Prionace glauca</i>	1062	A	1	2	1	75,7	300	250	61	21	Y	N	trazia anzol de outro aparelho
27	0:28	SWO <i>Xiphias gladius</i>	1063	A	2	2	1	13,9	115						
27	0:45	BSH <i>Prionace glauca</i>	1064	A	2	2	2	27,4	210	180	40				
27	0:55	BSH <i>Prionace glauca</i>	1065	A	1	2	2	27,4	210	180	40				
27	1:12	SWO <i>Xiphias gladius</i>	1066	A	1	2	2	96	210						
27	8:38	BSH <i>Prionace glauca</i>	1067	A	1	2	1	44,1	260	210	60	20	Y	Y	
27	8:45	BSH <i>Prionace glauca</i>	1068	A	1	2	1	37,9	250	200	56	19	Y	N	
28	8:51	SWO <i>Xiphias gladius</i>	1069	A	2	2	2	103,5	215						
28	9:04	BSH <i>Prionace glauca</i>	1070	A	1	2	2	44,1	260	210	59				
28	9:10	BSH <i>Prionace glauca</i>	1071	A	1	2	2	23	210	170	49				



* Use numbers from code tables

F4s v1: 02/2012

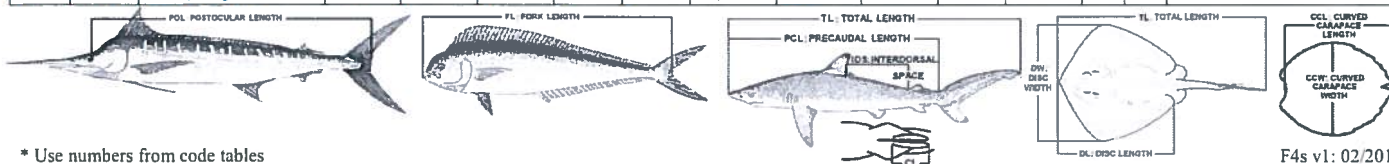
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
28	9:33	SWO Xiphias gladius	1072	A	2	2	2	10,4	105						
28	9:34	BSH Prionace glauca	1073	A	1	2	1	44,1	250	210	53	19	Y	N	
28	9:45	SWO Xiphias gladius	1074	A	1	2	2	40	160						
28	10:03	SWO Xiphias gladius	1075	A	1	2	1	58,4	180						
28	10:06	SWO Xiphias gladius	1076	A	1	2	1	69,5	190						
28	10:10	BSH Prionace glauca	1077	A	2	2	1	50,9	270	220	69	22	Y	N	
28	10:14	SWO Xiphias gladius	1078	A	1	2	2	29,2	145						
28	10:18	SWO Xiphias gladius	1079	A	1	2	1	20,6	130						
28	11:28	SWO Xiphias gladius	1080	A	1	2	1	32,5	150						
28	11:32	SWO Xiphias gladius	1081	A	2	2	2	23,2	135						
28	11:35	SWO Xiphias gladius	1082	A	2	2	1	48,6	170						
28	11:50	SWO Xiphias gladius	1083	A	2	2	2	23,2	135						
28	12:05	SWO Xiphias gladius	1084	A	1	2	1	63,8	185						
28	12:34	SWO Xiphias gladius	1085	A	1	2	1	48,6	170						
28	12:53	SWO Xiphias gladius	1086	A	3	3									So cabeça. comido pela orca
28	13:16	SWO Xiphias gladius	1087	A	3	2	2	40	160						
28	13:36	SWO Xiphias gladius	1088	A	1	2		6,4	90						mordido na cauda pela orca, nao e possivel verificar o sexo
28	14:05	BSH Prionace glauca	1089	A	2	2	1	44,1	250	210	50	21	Y	N	
28	14:09	BSH Prionace glauca	1090	A	2	2	2	37,9	250	200	45				
28	15:00	SWO Xiphias gladius	1091	A	1	2	2	26,1	140						
28	15:10	SWO Xiphias gladius	1092	A	1	2	1	103,5	215						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

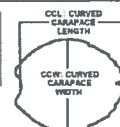
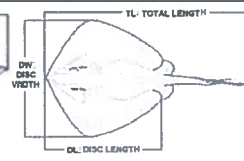
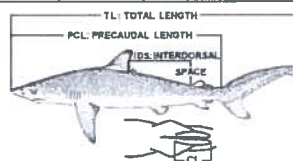
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
28	15:15	SWO Xiphas gladius	1093	A	1	2	2	48,6	170						
28	15:21	SWO Xiphas gladius	1094	A	1	2	2	40	160						
28	15:35	SWO Xiphas gladius	1095	A	1	2	2	26,1	140						
28	15:46	BSH Prionace glauca	1096	A	2	2	2	19	195	160	42				
28	15:41	BSH Prionace glauca	1097	A	1	2	2	23	200	170	40				
28	15:56	BSH Prionace glauca	1098	A	1	2	2	12,6	160	140	34				
28	16:04	SWO Xiphas gladius	1099	A	1	2	1	20,6	130						
28	16:07	BSH Prionace glauca	1100	A	1	2	2	27,4	230	180	49				
28	16:15	SWO Xiphas gladius	1101	A	1	2	2	58,4	180						
28	16:24	BSH Prionace glauca	1102	A	2	2	1	50,9	270	220	63	22	Y	N	
28	16:42	SWO Xiphas gladius	1103	A	3	2	1	20,6	130						
28	16:47	SWO Xiphas gladius	1104	A	1	2	2	23,2	135						
28	16:58	ALV Alopias vulpinus	1105	A	3	5	2								
28	17:00	SWO Xiphas gladius	1106	A	2		2	44,2	165						
28	17:05	WAH Acanthocybium solandri	1107	A	2	3	2	8,8	120						
28	17:09	SSP Tetrapurus angustirostris	1108	A	2	2	2		130						
28	17:20	SWO Xiphas gladius	1109	A	2	2	2	82	200						
28	17:25	SWO Xiphas gladius	1110	A	1	2	2	82	200						
28	17:28	SWO Xiphas gladius	1111	A	1	2	1	18,1	125						
28	17:40	SWO Xiphas gladius	1112	A	1	1	2	12,1	110						
28	17:50	SWO Xiphas gladius	1113	A	1	2	2	58,4	180						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

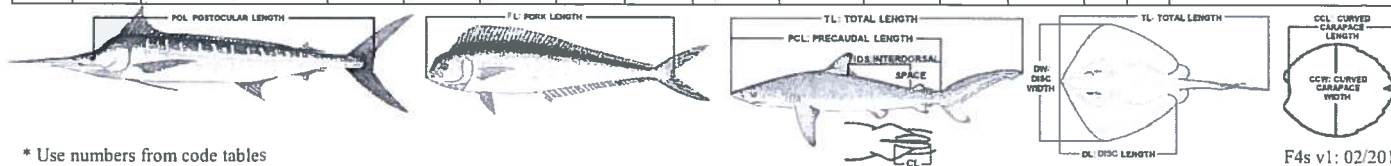
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
28	17:52	BSH <i>Prionace glauca</i>	1114	A	2	2	2	23	200	170	42				
28	18:10	SWO <i>Xiphias gladius</i>	1115	A	2	2	2	137,9	235						
28	18:20	SWO <i>Xiphias gladius</i>	1116	A	2	2	2	32,5	150						
28	18:53	BSH <i>Prionace glauca</i>	1117	A	2	2	2	27,4	220	180	43				
28	19:05	BSH <i>Prionace glauca</i>	1118	A	2	2	2	20,9	195	165	38				
28	19:26	SWO <i>Xiphias gladius</i>	1119	A	1	2	2	23,2	135						
29	12:00	SWO <i>Xiphias gladius</i>	1120	A	2	2	1	13,9	115						
29	13:00	BSH <i>Prionace glauca</i>	1121	A	2	2	2	32,4	230	190	52				
29	13:34	BSH <i>Prionace glauca</i>	1122	A	1	2	2	37,9	240	200	54				
29	13:51	SWO <i>Xiphias gladius</i>	1123	A	1	2	1	20,6	130						
29	14:25	SWO <i>Xiphias gladius</i>	1124	A	1	2	1	23,2	135						
29	14:32	SWO <i>Xiphias gladius</i>	1125	A	1	2	2	63,8	185						
29	15:00	BET <i>Thunnus obesus</i>	1126	A	1	2	1	38,4	130						
29	15:44	SWO <i>Xiphias gladius</i>	1127	A	1	2	1	29,2	145						
29	15:53	SWO <i>Xiphias gladius</i>	1128	A	2	2	1	13,9	115						
29	16:12	BSH <i>Prionace glauca</i>	1129	A	1	2	1	32,4	230	190	52	18	Y	N	
29	16:41	SWO <i>Xiphias gladius</i>	1130	A	1	2	1	20,6	130						
29	17:01	SWO <i>Xiphias gladius</i>	1131	A	1	2	1	40	160						
29	17:10	SWO <i>Xiphias gladius</i>	1132	A	2	2	1	32,5	150						
29	17:13	SWO <i>Xiphias gladius</i>	1133	A	2	2	1	58,4	180						
29	17:50	BSH <i>Prionace glauca</i>	1134	A	2	2	2	32,4	230	190	52				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

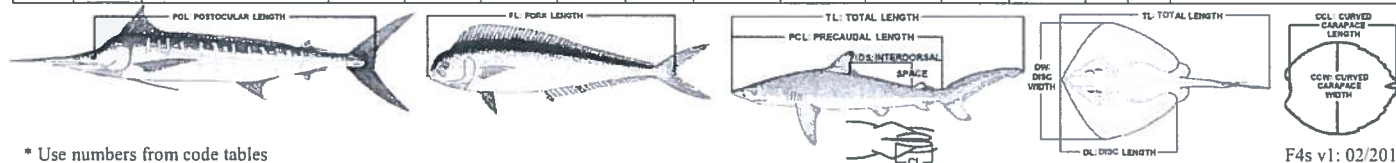
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
29	3:37	SWO Xiphias gladius	1156	A	2	2	2	111,5	220						
29	3:55	Genero : Aphanopus	1157	A	2	1									
29	4:24	BSH Prionace glauca	1158	A	2	2	2	32,4	210	190	49				
29	4:32	SWO Xiphias gladius	1159	A	2	2	1	168,4	250						
29	6:09	SWO Xiphias gladius	1160	A	1	2	1	48,6	170						
29	6:24	BSH Prionace glauca	1161	A	2	2	2	27,4	215	180	44				
29	6:26	BSH Prionace glauca	1162	A	1	2	1	37,9	240	200	52	19	Y	N	
30	9:35	BSH Prionace glauca	1163	A	1	2	2	27,4	230	180	49				
30	9:55	BSH Prionace glauca	1164	A	3	2	2	15,6	190	150	37				
30	10:12	BSH Prionace glauca	1165	A	2	2	1	32,4	235	190	53	19	Y	N	
30	10:16	SWO Xiphias gladius	1166	A	1	2	1	15,9	120						
30	10:25	SWO Xiphias gladius	1167	A	1	2	2	12,1	110						
30	10:53	BSH Prionace glauca	1168	A	2	2	2	27,4	220	180	44				
30	11:12	BSH Prionace glauca	1169	A	1	2	1	32,4	240	190	48	21	Y	N	
30	11:26	BSH Prionace glauca	1170	A	2	2	2	19	205	160	40				
30	11:43	SWO Xiphias gladius	1171	A	1	2	2	26,1	140						
30	11:44	SWO Xiphias gladius	1172	A	1	2	1	18,1	125						
30	11:51	SWO Xiphias gladius	1173	A	2	2	2	69,5	190						
30	11:55	SWO Xiphias gladius	1174	A	1	2	1	20,6	130						
30	12:00	SWO Xiphias gladius	1175	A	1	2	1	8,9	100						
30	12:06	SWO Xiphias gladius	1176	A	1	2	1	8,9	100						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

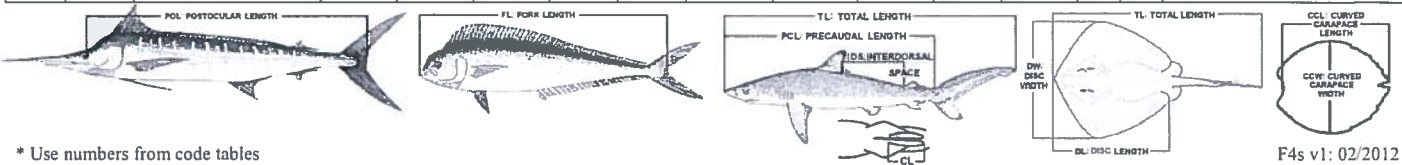
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
30	12:38	SWO Xiphias gladius	1177	A	1	2	1	12,1	110						
30	12:41	SWO Xiphias gladius	1178	A	1	2	2	58,4	180						
30	13:00	SWO Xiphias gladius	1179	A	1	2	1	20,6	130						
30	13:22	BSH Prionace glauca	1180	A	1	2	2	19	190	160	46				
30	13:40	SWO Xiphias gladius	1181	A	1	2	1	20,6	130						
30	13:45	SWO Xiphias gladius	1182	A	1	2	2	12,1	110						
30	14:00	SWO Xiphias gladius	1183	A	1	2	2	75,6	195						
30	14:20	SWO Xiphias gladius	1184	A	1	2	2	8,9	100						
30	14:21	SWO Xiphias gladius	1185	A	2	2	1	20,6	130						
30	14:28	SWO Xiphias gladius	1186	A	1	2	1	20,6	130						
30	14:34	SWO Xiphias gladius	1187	A	1	2	2	128,7	230						
30	14:46	SWO Xiphias gladius	1188	A	1	2	2	58,4	180						
30	14:48	BSH Prionace glauca	1189	A	2	2	1	37,9	250	200	51	20	Y	N	
30	14:51	SWO Xiphias gladius	1190	A	1	2	2	12,1	110						
30	14:53	SWO Xiphias gladius	1191	A	1	2	1	26,1	140						
30	15:09	BUM Makaira nigricans	1192	A	2	2	2	41,8	190						
30	15:17	SWO Xiphias gladius	1193	A	1	2	2	26,1	140						
30	15:36	SWO Xiphias gladius	1194	A	1	2	2	32,5	150						
30	16:08	SWO Xiphias gladius	1195	A	2	2	1	12,1	110						
30	16:21	SWO Xiphias gladius	1196	A	1	2	1	20,6	130						
30	16:55	BSH Prionace glauca	1197	A	2	2	1	58,5	290	230	62	21	Y	N	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

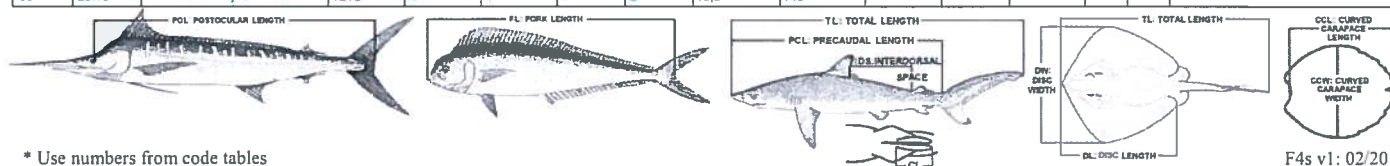
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E N E N	
30	17:06	SWO Xiphias gladius	1198	A	1	2	2	63,8	185						
30	17:09	SWO Xiphias gladius	1199	A	1	2	1	20,6	130						
30	17:10	SWO Xiphias gladius	1200	A	3	2	2	20,6	130						
30	17:15	WAH Acanthocybium solandri	1201	A	2	3	2	8,8	120						
30	17:21	SWO Xiphias gladius	1202	A	1	2	1	15,9	120						
30	17:50	SWO Xiphias gladius	1203	A	1	2	1	23,2	135						
30	17:53	SWO Xiphias gladius	1204	A	1	2	2	96	210						
30	18:00	SWO Xiphias gladius	1205	A	1	2	2	82	200						
30	18:34	BSH Prionace glauca	1206	A	1	2	2	19	195	160	41				
30	18:35	SWO Xiphias gladius	1207	A	1	2	2	53,3	175						
30	18:44	SWO Xiphias gladius	1208	A	2	2	1	18,1	125						
30	18:52	SWO Xiphias gladius	1209	A	1	2	1	12,1	110						
30	19:00	SWO Xiphias gladius	1210	A	1	2	2	44,2	165						
30	19:10	SWO Xiphias gladius	1211	A	1	2	2	48,6	170						
30	19:14	SWO Xiphias gladius	1212	A	1	2	2	88,8	205						
30	19:24	SWO Xiphias gladius	1213	A	1	2	2	29,2	145						
30	19:30	SWO Xiphias gladius	1214	A	1	2	1	15,9	120						
30	19:45	SWO Xiphias gladius	1215	A	1	2	1	23,2	135						
30	19:50	SWO Xiphias gladius	1216	A	1	2	2	18,1	125						
30	20:07	SWO Xiphias gladius	1217	A	1	2	2	25,1	140						
30	20:15	WAH Acanthocybium solandri	1218	A	1	2	2	13,5	140						



* Use numbers from code tables

F4s v1: 02/2012

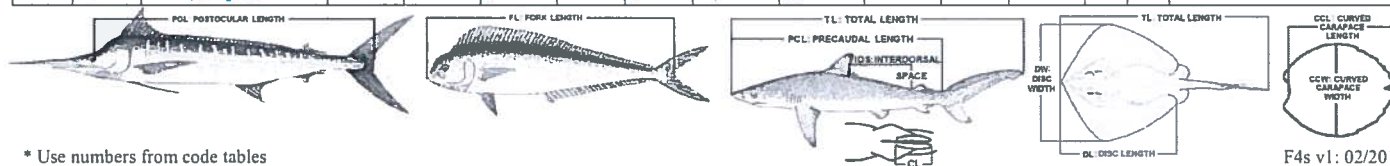
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
30	20:42	BSH <i>Prionace glauca</i>	1219	A	2	2	2	44,1	260	210	53				
30	20:47	SWO <i>Xiphias gladius</i>	1220	A	1	2	2	119,9	225						
30	20:55	SWO <i>Xiphias gladius</i>	1221	A	1	2	1	82	200						
30	21:06	SWO <i>Xiphias gladius</i>	1222	A	1	2	2	96	210						
30	21:18	SWO <i>Xiphias gladius</i>	1223	A	1	2	1	20,6	130						
30	21:30	SWO <i>Xiphias gladius</i>	1224	A	1	2	2	63,8	185						
30	21:38	SWO <i>Xiphias gladius</i>	1225	A	3	2	2	82	200						
30	21:50	<i>Diplurus flavirostris</i>	1226	A	3	5									
30	22:00	SWO <i>Xiphias gladius</i>	1227	A	3	2	2	96	210						
31	10:13	BSH <i>Prionace glauca</i>	1228	A	1	2	2	15,6	175	150	38				
31	10:30	SWO <i>Xiphias gladius</i>	1229	A	2	2	2	119,9	225						
31	10:41	SWO <i>Xiphias gladius</i>	1230	A	1	2	2	12,1	110						
31	10:53	SWO <i>Xiphias gladius</i>	1231	A	1	2	2	20,6	130						
31	10:56	SWO <i>Xiphias gladius</i>	1232	A	1	2	1	20,6	130						
31	11:07	SWO <i>Xiphias gladius</i>	1233	A	1	2	2	29,2	145						
31	11:25	SWO <i>Xiphias gladius</i>	1234	A	3	2	2	13,9	115						
31	11:43	SWO <i>Xiphias gladius</i>	1235	A	1	2	1	15,9	120						
31	11:47	SWO <i>Xiphias gladius</i>	1236	A	2	2	1	32,5	150						
31	12:09	SWO <i>Xiphias gladius</i>	1237	A	2	2	2	20,6	130						
31	12:15	SPN <i>Sphyma spp</i>	1238	A	2	5									
31	12:51	SWO <i>Xiphias gladius</i>	1239	A	1	2	1	15,9	120						



* Use numbers from code tables

F4s v1: 02/2012

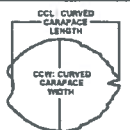
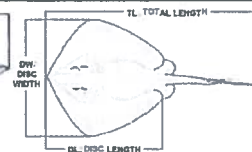
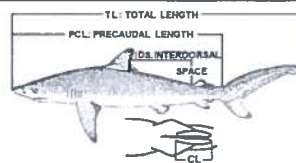
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
31	13:15	SWO Xiphias gladius	1240	A	2	2	2	63,8	185						
31	13:41	SWO Xiphias gladius	1241	A	1	2	1	15,9	120						
31	13:58	SWO Xiphias gladius	1242	A	2	2	2	168,4	250						
31	13:59	BSH Prionace glauca	1243	A	1	2	2	32,4	240	190	45				
31	14:04	SWO Xiphias gladius	1244	A	1	2	1	29,2	145						
31	14:09	SWO Xiphias gladius	1245	A	1	2	2	26,1	140						
31	14:30	SWO Xiphias gladius	1246	A	1	2	1	20,6	130						
31	14:39	SWO Xiphias gladius	1247	A	1	2	2	26,1	140						
31	14:45	SWO Xiphias gladius	1248	A	2	2	2	12,1	110						
31	15:03	BSH Prionace glauca	1249	A	3	2	2	25,1	210	175	44				
31	15:11	SWO Xiphias gladius	1250	A	1	2	2	40	160						
31	15:20	SWO Xiphias gladius	1251	A	1	2	2	58,4	180						
31	15:21	SWO Xiphias gladius	1252	A	2	2	1	12,1	110						
31	15:28	SWO Xiphias gladius	1253	A	2	2	1	12,1	110						
31	15:38	SSP Tetrapturus angustirostris	1254	A	1	5									
31	16:08	SWO Xiphias gladius	1255	A	2	2	2	29,2	145						
31	16:14	SWO Xiphias gladius	1256	A	2	2	1	10,4	105						
31	16:17	BSH Prionace glauca	1257	A	1	2	2	19	190	160	42				
31	16:30	SWO Xiphias gladius	1258	A	1	2	2	48,6	170						
31	16:38	SWO Xiphias gladius	1259	A	2	2	2	82	200						
31	16:47	SWO Xiphias gladius	1260	A	1	2	1	26,1	140						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

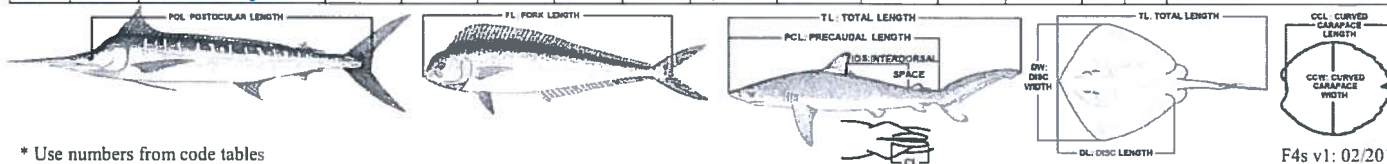
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
31	16:52	BET Thunnus obesus	1261	A	2	2	2	38,4	130						
31	17:05	SWO Xiphias gladius	1262	A	1	2	2	82	200						
31	17:08	SWO Xiphias gladius	1263	A	1	2	2	20,6	130						
31	17:12	SWO Xiphias gladius	1264	A	1	2	1	26,1	140						
31	17:20	BSH Prionace glauca	1265	A	1	2	2	27,4	210	180	45				
31	17:28	SWO Xiphias gladius	1266	A	1	2	2	32,5	150						
31	17:35	BSH Prionace glauca	1267	A	2	2	2	32,4	240	190	48				
31	17:38	BSH Prionace glauca	1268	A	2	2	2	15,6	180	150	36				
31	17:40	BSH Prionace glauca	1269	A	2	2	2	37,9	240	200	52				
31	17:48	SWO Xiphias gladius	1270	A	1	2	2	58,4	180						
31	17:55	SWO Xiphias gladius	1271	A	1	2	2	53,3	175						
31	17:59	SWO Xiphias gladius	1272	A	1	2	1	12,1	110			1	1		
31	18:02	SWO Xiphias gladius	1273	A	1	2	1	12,1	110			1			
31	18:12	SWO Xiphias gladius	1274	A	1	2	1	12,1	110						
31	18:20	SWO Xiphias gladius	1275	A	1	2	1	12,1	110						
31	18:30	BUM Makaira nigricans	1276	A	1	2	1	31,8	175						
31	18:50	SWO Xiphias gladius	1277	A	2	2	1	75,6	195						
31	19:00	FAL Carcharhinus longimanus	1278	A	2	5	2								
31	19:05	SWO Xiphias gladius	1279	A	1	2	2	15,9	120						
31	19:15	WAH Acanthocybium solandri	1280	A	2	2	2	18	155						
31	19:21	BSH Prionace glauca	1281	A	2	2	2	15,6	185	150	41				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

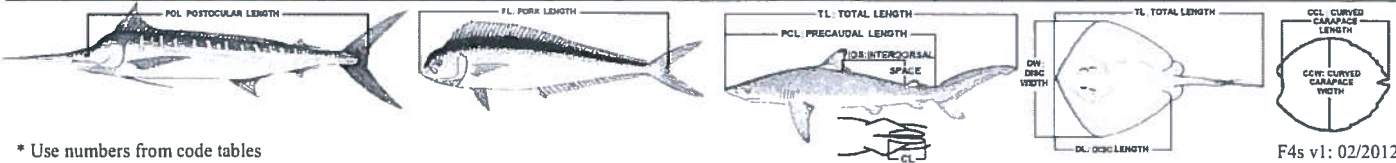
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook			Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
				A	B	C			POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
31	19:33	SWO Xiphias gladius	1282	A			2	13,9	115						
31	19:35	SWO Xiphias gladius	1283	A			1	20,6	130						
31	19:45	SWO Xiphias gladius	1284	A			1	40	160						
31	19:46	BSH Prionace glauca	1285	A			2	23	195	170	45				
31	19:55	BSH Prionace glauca	1286	A			1	37,9	250	200	54	19	Y	N	
31	20:00	SWO Xiphias gladius	1287	A			2	40	160						
31	20:15	SWO Xiphias gladius	1288	A			2	147,6	240						
31	20:30	SWO Xiphias gladius	1289	A			2	58,4	180						
31	20:39	BSH Prionace glauca	1290	A			2	32,4	230	190	50				
31	20:49	SSP Tetraprius angustirostris	1291	A			5								
31	21:25	ALV Alopias vulpinus	1292	A			5								
31	21:37	SWO Xiphias gladius	1293	A			1	20,6	130						
31	21:30	SMA Isurus oxyrinchus	1294	A			2	44,6	200	180	52				
31	21:46	SWO Xiphias gladius	1295	A			1	63,8	185						
31	22:14	SWO Xiphias gladius	1296	A			1	58,4	180						
31	22:38	ALV Alopias vulpinus	1297	A			2								
31	22:55	POR Lamna nasus	1298	A			2								
31	23:06	SWO Xiphias gladius	1299	A			2	12,1	110						
31	23:07	SWO Xiphias gladius	1300	A			2	48,6	170						
31	23:23	SWO Xiphias gladius	1301	A			1	58,4	180						
31	23:44	SWO Xiphias gladius	1302	A			2	40	160						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

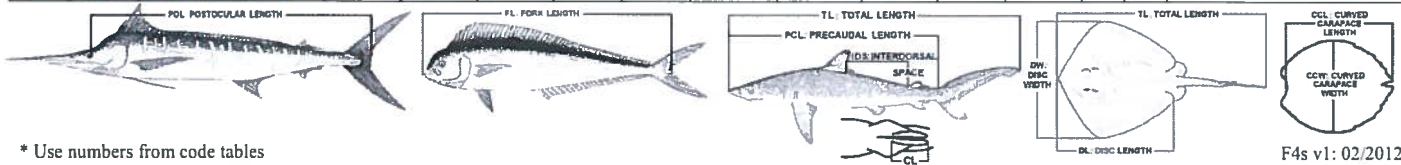
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
31	0:00	BSH <i>Prionace glauca</i>	1303	A	1	2	2	32,4	210	190	48				
32	10:00	BSH <i>Prionace glauca</i>	1304	A	1	2	2	27,4	220	180	53				
32	10:10	SWO <i>Xiphias gladius</i>	1305	A	1	2	1	58,4	180						
32	11:05	SWO <i>Xiphias gladius</i>	1306	A	1	2	1	8,9	100						
32	11:06	BSH <i>Prionace glauca</i>	1307	A	1	2	2	25,1	220	175	45				
32	11:12	SWO <i>Xiphias gladius</i>	1308	A	2	2	1	18,1	125						
32	11:23	LEC <i>Lepidocybium flavobrunneum</i>	1309	A	2	2	2	11	105						
32	11:30	SWO <i>Xiphias gladius</i>	1310	A	1	2	1	12,1	110						
32	11:37	BSH <i>Prionace glauca</i>	1311	A	2	2	2	37,9	240	200	50				
32	11:45	SWO <i>Xiphias gladius</i>	1312	A	1	2	1	63,8	185						
32	11:54	SWO <i>Xiphias gladius</i>	1313	A	1	2	1	10,4	105						
32	11:56	SWO <i>Xiphias gladius</i>	1314	A	1	2	2	69,5	190						
32	12:11	BUM <i>Makaira nigricans</i>	1315	A	2	2	1	41,8	190						
32	12:26	SWO <i>Xiphias gladius</i>	1316	A	1	2	1	15,9	120						
32	12:36	BSH <i>Prionace glauca</i>	1317	A	2	2	2	19	200	160	42				
32	12:44	SWO <i>Xiphias gladius</i>	1318	A	1	2	2	48,6	170						
32	12:45	SWO <i>Xiphias gladius</i>	1319	A	1	2	1	15,9	120						
32	13:05	SWO <i>Xiphias gladius</i>	1320	A	1	2	2	23,2	135						
32	13:21	BSH <i>Prionace glauca</i>	1321	A	1	2	2	27,4	210	180	43				
32	13:27	BSH <i>Prionace glauca</i>	1322	A	1	2	2	23	200	170	43				
32	13:28	SWO <i>Xiphias gladius</i>	1323	A	1	2	1	147,6	240						



* Use numbers from code tables

F4s v1: 02/2012

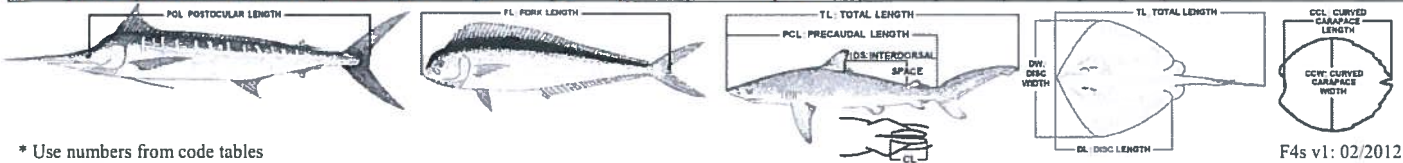
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
32	13:45	SWO Xiphias gladius	1324	A	1	2	1	20,6	130						
32	13:48	SWO Xiphias gladius	1325	A	1	2	2	48,6	170						
32	13:54	SWO Xiphias gladius	1326	A	1	2	1	26,1	140						
32	14:00	SWO Xiphias gladius	1327	A	1	2	1	15,9	120						
32	14:10	BSH Prionace glauca	1328	A	1	2	2	27,4	210	180	48				
32	14:20	BSH Prionace glauca	1329	A	2	2	2	23	210	170	45				
32	14:26	SWO Xiphias gladius	1330	A	2	2	1	32,5	150						
32	14:35	SWO Xiphias gladius	1331	A	1	2	1	12,1	110						
32	14:42	BSH Prionace glauca	1332	A	1	2	2	44,1	250	210	44				
32	14:47	BSH Prionace glauca	1333	A	2	2	2	37,9	250	200	45				
32	14:52	SWO Xiphias gladius	1334	A	1	2	1	8,9	100						
32	14:58	SWO Xiphias gladius	1335	A	1	2	2	69,5	190						
32	15:09	SWO Xiphias gladius	1336	A	1	2	2	32,5	150						
32	15:08	SWO Xiphias gladius	1337	A	1	2	1	20,6	130						
32	15:42	BUM Makaira nigricans	1338	A	2	2	2	58,3	210						
32	15:51	SWO Xiphias gladius	1339	A	2	2	2	88,8	205						
32	15:57	SWO Xiphias gladius	1340	A	1	2	1	18,1	125						
32	16:00	SWO Xiphias gladius	1341	A	1	2	1	32,5	150						
32	16:05	SWO Xiphias gladius	1342	A	1	2	1	10,4	105						
32	16:10	SMA Isurus oxyrinchus	1343	A	2	2	1	52,4	200	190	54	25	Y	N	
32	16:15	SWO Xiphias gladius	1344	A	1	2	2	82	200						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

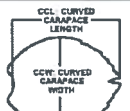
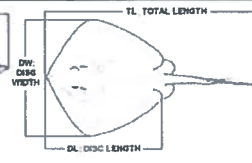
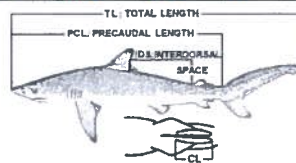
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VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook			Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
				A	B	C				POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
32	16:18	SWO Xiphias gladius	1345	A			1	8,9	100							
32	16:18	SWO Xiphias gladius	1346	A			2	20,6	130							
32	16:34	SWO Xiphias gladius	1347	A			1	13,9	115							
32	16:36	SWO Xiphias gladius	1348	A			2	32,5	150							
32	16:52	SWO Xiphias gladius	1349	A			1	26,1	140							
32	16:57	SWO Xiphias gladius	1350	A			1	75,6	195							
32	17:00	SWO Xiphias gladius	1351	A			1	58,4	180							
32	17:08	SWO Xiphias gladius	1352	A			1	20,6	130							
32	17:12	SWO Xiphias gladius	1353	A			1	20,6	130							
32	17:22	SWO Xiphias gladius	1354	A			1	20,6	130							
32	17:26	SWO Xiphias gladius	1355	A			1	10,4	105							
32	17:30	SWO Xiphias gladius	1356	A			1	32,5	150							
32	17:35	BSH Prionace glauca	1357	A			2	44,1	250	210	51	21	Y	Y		
32	17:37	BSH Prionace glauca	1358	A			2	12,6	170	140	31					
32	17:45	SWO Xiphias gladius	1359	A			2	179,6	255							
32	17:55	SWO Xiphias gladius	1360	A			1	63,8	185							
32	18:00	SWO Xiphias gladius	1361	A			2	32,5	150							
32	18:50	SWO Xiphias gladius	1362	A			1	32,5	150							
32	19:10	SWO Xiphias gladius	1363	A			1	12,1	110							
32	19:15	SWO Xiphias gladius	1364	A			3									So cabeça. comido pela orca
32	19:25	SMA Isurus oxyrinchus	1365	A			2	52,4	210	190	56					



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

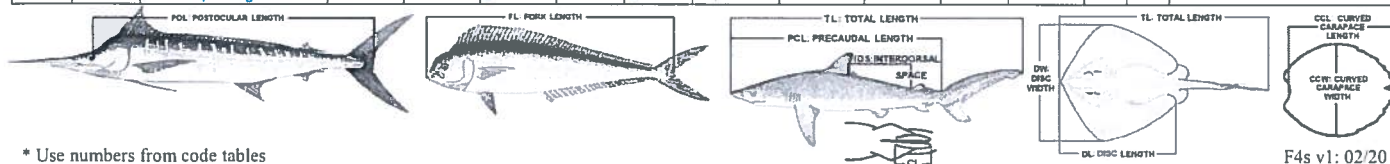
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
32	19:38	SWO Xiphias gladius	1366	A	1	2	1	15,9	120						
32	19:40	SWO Xiphias gladius	1367	A	1	2	1	20,6	130						
32	19:57	SWO Xiphias gladius	1368	A	2	2	2	69,5	190						
32	20:06	BSH Prionace glauca	1369	A	1	2	2	25,1	215	175	42				
32	20:15	SWO Xiphias gladius	1370	A	1	2	1	12,1	110						
32	20:34	SWO Xiphias gladius	1371	A	1	2	2	12,1	110						
32	20:47	SWO Xiphias gladius	1372	A	2	2	2	15,9	120						
32	20:58	SWO Xiphias gladius	1373	A	1	2	2	58,4	180						
32	21:12	SWO Xiphias gladius	1374	A	1	2	1	18,1	125						
32	21:28	SWO Xiphias gladius	1375	A	2	2	1	26,1	140						
32	21:34	SWO Xiphias gladius	1376	A	1	2	1	12,1	110						
32	21:40	SWO Xiphias gladius	1377	A	1	2	2	29,2	145						
32	21:58	SSP Tetrapturus angustirostris	1378	A	1	5									
32	22:04	BSH Prionace glauca	1379	A	2	2	2	29,8	220	185	44				
32	22:24	SWO Xiphias gladius	1380	A	1	2	2	20,6	130						
32	22:46	SWO Xiphias gladius	1381	A	1	2	2	20,6	130						
33	9:41	SWO Xiphias gladius	1382	A	1	2	1	40	160						
33	9:57	SWO Xiphias gladius	1383	A	1	2	2	32,5	150						
33	10:05	SWO Xiphias gladius	1384	A	1	2	1	18,1	125						
33	10:35	SWO Xiphias gladius	1385	A	1	2	2	32,5	150						
33	10:48	SWO Xiphias gladius	1386	A	2	2	1	63,8	185						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

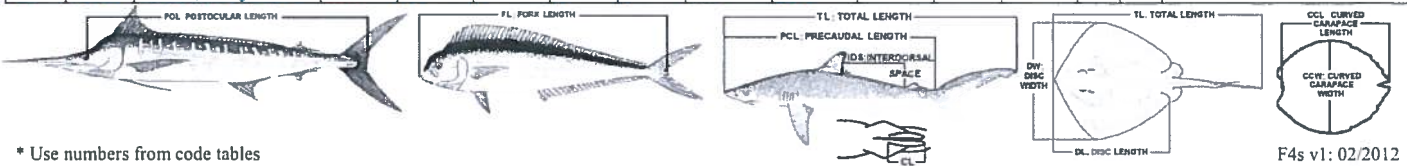
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
33	10:57	SWO Xiphias gladius	1387	A	2	2	1	32,5	150						
33	11:10	SWO Xiphias gladius	1388	A	1	2	2	69,5	190						
33	11:21	BSH Prionace glauca	1389	A	2	2	2	27,4	235	180	52				
33	11:29	BSH Prionace glauca	1390	A	2	2	2	40,9	255	205	51				
33	11:44	SMA Isurus oxyrinchus	1391	A	2	2	1	26	170	150	48	17	Y	N	
33	11:47	SWO Xiphias gladius	1392	A	1	2	2	63,8	185						
33	11:58	SWO Xiphias gladius	1393	A	2	2	2	15,9	120						
33	12:05	SWO Xiphias gladius	1394	A	1	2	1	26,1	140						
33	12:14	SWO Xiphias gladius	1395	A	1	2	1	20,6	130						
33	12:20	SWO Xiphias gladius	1396	A	1	2	2	44,2	165						
33	12:48	BSH Prionace glauca	1397	A	1	2	2	29,8	225	185	50				
33	12:55	SWO Xiphias gladius	1398	A	1	2	1	32,5	150						
33	13:09	SWO Xiphias gladius	1399	A	1	2	1	15,9	120						
33	13:22	SWO Xiphias gladius	1400	A	1	2	2	111,5	220						
33	13:24	WAH Acanthocybium solandri	1401	A	1	2	1	14,9	145						
33	13:25	SWO Xiphias gladius	1402	A	1	2	1	32,5	150						
33	13:33	BUM Makaira nigricans	1403	A	3	2	1	58,3	210						
33	13:43	SWO Xiphias gladius	1404	A	2	2	2	15,9	120						
33	13:44	WAH Acanthocybium solandri	1405	A	3	1		36,8	200						
33	13:48	SWO Xiphias gladius	1406	A	1	2	2	12,1	110						
33	13:58	SWO Xiphias gladius	1407	A	1	2	1	26,1	140						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

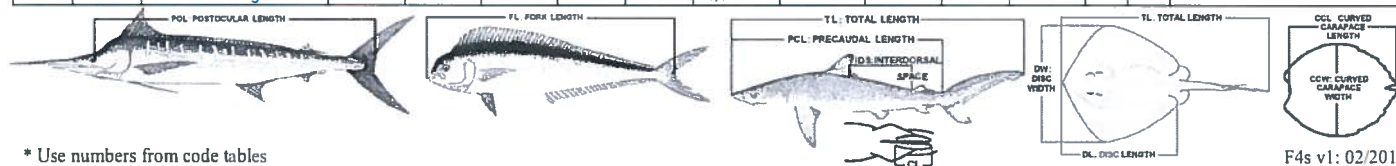
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
33	14:04	SWO Xiphias gladius	1408	A	2	2	2	13,9	115						
33	14:20	SWO Xiphias gladius	1409	A	2	2	1	48,6	170						
33	14:25	BSH Prionace glauca	1410	A	1	2	2	11,3	160	135	32				
33	14:32	SWO Xiphias gladius	1411	A	1	2	1	10,4	105						
33	14:45	WAH Acanthocybium solandri	1412	A	1	5									
33	14:50	SWO Xiphias gladius	1413	A	2	2	2	26,1	140						
33	14:55	SWO Xiphias gladius	1414	A	2	2	2	36,1	155						
33	14:58	SSP Tetrapturus angustirostris	1415	A	2	2	2		120						
33	14:59	WAH Acanthocybium solandri	1416	A	1	2	1	19,6	160						
33	15:04	BSH Prionace glauca	1417	A	3	3	1	44,1	260	210	48	19	Y	N	
33	15:15	SWO Xiphias gladius	1418	A	1	2	1	20,6	130						
33	15:25	SWO Xiphias gladius	1419	A	2	2	2	53,3	175						
33	15:34	WAH Acanthocybium solandri	1420	A	2	3	2	12,2	135						
33	15:36	SWO Xiphias gladius	1421	A	1	2	2	69,5	190						
33	15:47	SWO Xiphias gladius	1422	A	2	2	2	8,9	100						
33	16:15	WAH Acanthocybium solandri	1423	A	2	3	2	8,8	120						
33	16:25	SWO Xiphias gladius	1424	A	1	2	2	82	200						
33	16:29	SSP Tetrapturus angustirostris	1425	A	2	2			175						
33	16:36	BSH Prionace glauca	1426	A	1	2	1	58,5	270	230	65	20	Y	N	
33	16:40	SWO Xiphias gladius	1427	A	1	2	1	8,9	100						
33	16:56	BSH Prionace glauca	1428	A	2	2	2	44,1	260	210	50				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

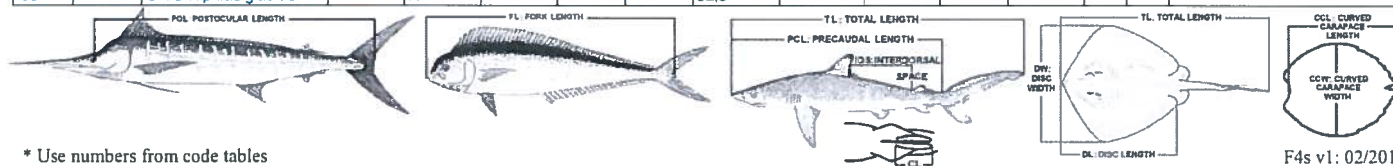
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
33	17:05	BSH <i>Prionace glauca</i>	1429	A	2	2	2	19	180	160	37				
33	17:18	SWO <i>Xiphias gladius</i>	1430	A	1	2	2	48,6	170						
33	17:28	SWO <i>Xiphias gladius</i>	1431	A	1	2	2	8,9	100						
33	17:50	BSH <i>Prionace glauca</i>	1432	A	1	2	2	25,1	210	175	43				
33	18:40	SWO <i>Xiphias gladius</i>	1433	A	1	2	2	69,5	190						
33	18:56	BSH <i>Prionace glauca</i>	1434	A	1	3	2	66,7	270	240	62				
33	19:00	SWO <i>Xiphias gladius</i>	1435	A	1	2	1	137,9	235						
33	19:04	BET <i>Thunnus obesus</i>	1436	A	2	2	1	58,3	150						
33	19:15	BSH <i>Prionace glauca</i>	1437	A	2	2	2	15,6	180	150	36				
33	19:26	WAH <i>Acanthocybium solandri</i>	1438	A	2	1									
33	19:45	SWO <i>Xiphias gladius</i>	1439	A	1	2	1	40	160						
33	19:52	BSH <i>Prionace glauca</i>	1440	A	2	2	1	44,1	250	210	54	20	Y	N	
33	20:06	BSH <i>Prionace glauca</i>	1441	A	1	2	2	23	210	170	39				
33	20:15	SMA <i>Isurus oxyrinchus</i>	1442	A	1	2	1	52,4	210	190	62	20	Y	N	
33	20:33	LEC <i>Lepidocybium flavobrunneum</i>	1443	A	1	2	2	18,9	125						
33	20:37	BSH <i>Prionace glauca</i>	1444	A	1	2	2	23	210	170	43				
33	20:49	ALB <i>Thunnus alalunga</i>	1445	A	2	3	1	16,4	95						
33	20:59	BSH <i>Prionace glauca</i>	1446	A	2	2	2	15,6	170	150	36				
33	21:09	SWO <i>Xiphias gladius</i>	1447	A	2	2	1	40	160						
33	21:13	SWO <i>Xiphias gladius</i>	1448	A	1	2	1	82	200						
33	21:30	SWO <i>Xiphias gladius</i>	1449	A	1	2	1	32,5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

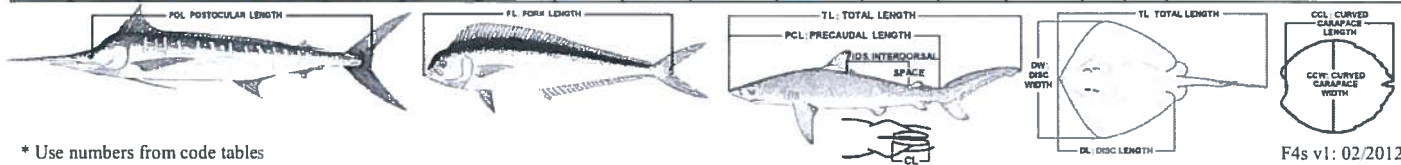
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
33	21:39	BSH <i>Prionace glauca</i>	1450	A	1	2	2	27,4	230	180	46				
33	21:46	BSH <i>Prionace glauca</i>	1451	A	1	2	2	32,4	240	190	50				
33	21:49	BSH <i>Prionace glauca</i>	1452	A	1	2	2	23	190	170	42				
33	22:03	BSH <i>Prionace glauca</i>	1453	A	1	2	2	27,4	240	180	50				
33	21:13	ALV <i>Alopias vulpinus</i>	1454	A	2	5	2								
33	21:45	WAH <i>Acanthocybium solandri</i>	1455	A	2	1									
33	21:49	SWO <i>Xiphias gladius</i>	1456	A	2	2	1	6,4	90						
34	11:15	SSP <i>Tetrapturus angustirostris</i>	1457	A	2	2	2		150						
34	11:21	SWO <i>Xiphias gladius</i>	1458	A	2	2	2	69,5	190						
34	11:38	LEC <i>Lepidocybium flavobrunneum</i>	1459	A	1	2	2	14,6	115						
34	11:48	SWO <i>Xiphias gladius</i>	1460	A	2	2	2	53,3	175						
34	12:06	SWO <i>Xiphias gladius</i>	1461	A	1	2	1	12,1	110						
34	12:20	SWO <i>Xiphias gladius</i>	1462	A	1	2	1	32,5	150						
34	12:30	SWO <i>Xiphias gladius</i>	1463	A	1	2	1	26,1	140						
34	12:48	SWO <i>Xiphias gladius</i>	1464	A	1	2	1	15,9	120						
34	12:55	SWO <i>Xiphias gladius</i>	1465	A	1	2	1	12,1	110						
34	13:05	SWO <i>Xiphias gladius</i>	1466	A	1	2	2	15,9	120						
34	13:27	SWO <i>Xiphias gladius</i>	1467	A	1	2	2	48,6	170						
34	14:50	BSH <i>Prionace glauca</i>	1468	A	2	2	2	23	210	170	42				
34	14:58	BUM <i>Makaira nigricans</i>	1469	A	3	2	2		358						
34	15:55	SWO <i>Xiphias gladius</i>	1470	A	2	2	1	40	160						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

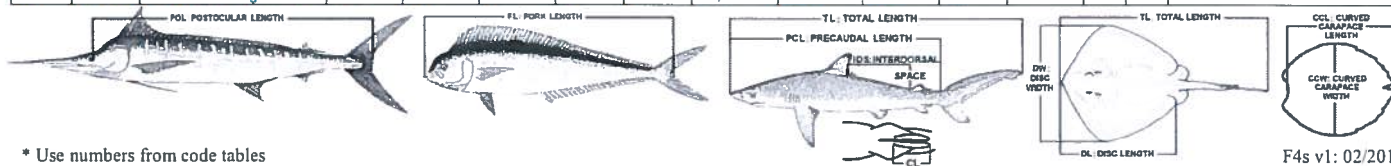
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
34	15:15	SWO Xiphias gladius	1471	A	2	2	2	40	160						
34	15:18	SWO Xiphias gladius	1472	A	1	2	2	32,5	150						
34	15:27	SWO Xiphias gladius	1473	A	1	2	1	32,5	150						
34	15:55	SWO Xiphias gladius	1474	A	1	2	1	40	160						
34	16:09	SWO Xiphias gladius	1475	A	1	2	2	111,5	220						
34	16:11	SWO Xiphias gladius	1476	A	1	2	1	8,9	100						
34	16:19	SWO Xiphias gladius	1477	A	2	2	2	36,1	155						
34	16:25	SWO Xiphias gladius	1478	A	1	2	2	8,9	100						
34	16:30	SWO Xiphias gladius	1479	A	1	2	1	26,1	140						
34	16:46	SWO Xiphias gladius	1480	A	3	2	2	63,8	185						
34	16:54	SWO Xiphias gladius	1481	A	1	2	1	29,2	145						
34	17:00	ALV Alopias vulpinus	1482	A	2	5	2								
34	17:07	BSH Prionace glauca	1483	A	2	2	2	27,4	215	180	48				
34	17:09	SWO Xiphias gladius	1484	A	1	2	2	15,9	120						
34	17:21	SWO Xiphias gladius	1485	A	1	2	1	15,9	120						
34	16:54	SWO Xiphias gladius	1486	A	1	2	1	63,8	185						
34	17:00	SWO Xiphias gladius	1487	A	1	2	1	20,6	130						
34	17:07	SWO Xiphias gladius	1488	A	1	2	1	20,6	130						
34	17:09	SMA Isurus oxyrinchus	1489	A	2	2	2	81	240	220	60				
34	17:21	BSH Prionace glauca	1490	A	2	2	2	20,9	205	165	44				
34	17:58	BSH Prionace glauca	1491	A	1	2	2	20,9	205	165	44				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
34	18:15	SWO Xiphias gladius	1492	A	1	2	1	15,9	120						
34	18:50	SWO Xiphias gladius	1493	A	1	2	2	26,1	140						
34	18:56	SWO Xiphias gladius	1494	A	1	2	1	58,4	180						
34	19:04	SWO Xiphias gladius	1495	A	2	2	1	12,1	110						
34	19:24	SWO Xiphias gladius	1496	A	1	2	2	53,3	175						
34	19:30	SWO Xiphias gladius	1497	A	1	2	1	69,5	190						
34	19:35	BSH Prionace glauca	1498	A	1	2	2	37,9	250	200	52				
34	19:40	SWO Xiphias gladius	1499	A	1	2	1	20,6	130						
34	19:43	SWO Xiphias gladius	1500	A	1	2	2	26,1	140						
34	19:46	SWO Xiphias gladius	1501	A	2	2	1	69,5	190						
34	19:56	SWO Xiphias gladius	1502	A	1	2	1	20,6	130						
34	20:05	SWO Xiphias gladius	1503	A	1	2	1	12,1	110						
34	20:06	SWO Xiphias gladius	1504	A	1	2	2	15,9	120						
34	20:10	SWO Xiphias gladius	1505	A	1	2	2	32,5	150						
34	20:13	SWO Xiphias gladius	1506	A	3	2	2	58,4	180						
34	20:19	BSH Prionace glauca	1507	A	2	2	2	32,4	235	190	45				
34	20:52	SWO Xiphias gladius	1508	A	2	2	2	128,7	230						
34	21:35	LEC Lepidocybium flavobrunneum	1509	A	2	1	1	14,6	115						
34	21:50	BSH Prionace glauca	1510	A	2	1	1	58,5	270	230	63	20	Y	N	
34	22:03	ALV Alopias vulpinus	1511	A	2	5	1								
34	22:15	BSH Prionace glauca	1512	A	1	2	2	23	215	170	41				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

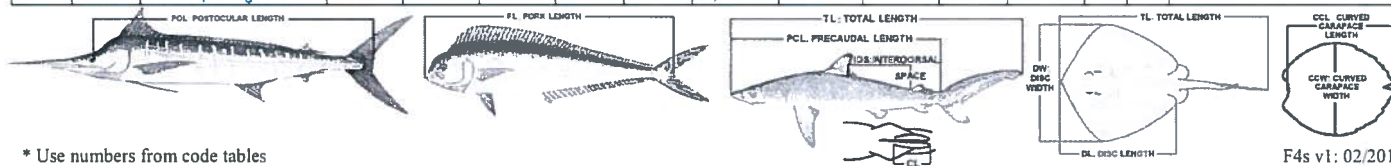
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
34	22:44	BSH <i>Prionace glauca</i>	1513	A	1	2	2	23	210	170	41				
34	22:48	BSH <i>Prionace glauca</i>	1514	A	1	2	2	23	210	170	44				
34	9:15	WAH <i>Acanthocybium solandri</i>	1515	A	1	1									
35	9:50	SWO <i>Xiphias gladius</i>	1516	A	1	2	2	10,4	105						
35	9:55	SWO <i>Xiphias gladius</i>	1517	A	1	2	1	40	160						
35	9:59	SWO <i>Xiphias gladius</i>	1518	A	2	2	2	26,1	140						
35	10:06	SWO <i>Xiphias gladius</i>	1519	A	2	2	1	8,9	100						
35	10:20	SWO <i>Xiphias gladius</i>	1520	A	1	2	1	40	160						
35	10:30	SWO <i>Xiphias gladius</i>	1521	A	1	2	2	12,1	110						
35	10:42	SWO <i>Xiphias gladius</i>	1522	A	1	2	2	12,1	110						
35	11:00	SWO <i>Xiphias gladius</i>	1523	A	1	2	2	26,1	140						
35	11:09	SWO <i>Xiphias gladius</i>	1524	A	2	2	1	40	160						
35	11:24	SWO <i>Xiphias gladius</i>	1525	A	2	2	2	26,1	140						
35	11:33	SWO <i>Xiphias gladius</i>	1526	A	2	2	2	7,6	95						
35	11:44	BSH <i>Prionace glauca</i>	1527	A	2	2	2	37,9	240	200	48				
35	12:19	SWO <i>Xiphias gladius</i>	1528	A	2	2	1	13,9	115						
35	12:34	SWO <i>Xiphias gladius</i>	1529	A	1	1	1	26,1	140						Fora podre
35	12:38	SWO <i>Xiphias gladius</i>	1530	A	1	2	1	12,1	110						
35	12:55	SWO <i>Xiphias gladius</i>	1531	A	1	2	2	111,5	220						
35	13:05	SWO <i>Xiphias gladius</i>	1532	A	1	2	1	13,9	115						
35	13:30	SWO <i>Xiphias gladius</i>	1533	A	1	2	1	44,2	165						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook			Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
				A	B	C				POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
35	13:38	SWO Xiphias gladius	1534	A			2	20,6	130							
35	13:45	SWO Xiphias gladius	1535	A			2	29,2	145							
35	13:47	SWO Xiphias gladius	1536	A			2	20,6	130							
35	13:54	SWO Xiphias gladius	1537	A			2	15,9	120							
35	14:15	SWO Xiphias gladius	1538	A			2	48,6	170							
35	14:32	BSH Prionace glauca	1539	A			2	35,1	240	195	49					
35	14:34	SWO Xiphias gladius	1540	A			3								So cabeça e parte do tronco	
35	14:38	SWO Xiphias gladius	1541	A			2	12,1	110							
35	14:43	SWO Xiphias gladius	1542	A			2	8,9	100							
35	14:45	BSH Prionace glauca	1543	A			2	29,8	215	185	49					
35	14:50	SWO Xiphias gladius	1544	A			2	44,2	165							
35	15:01	BSH Prionace glauca	1545	A			2	27,4	210	180	43					
35	15:30	ALV Alopias vulpinus	1546	A			5									
35	15:31	SWO Xiphias gladius	1547	A			2	8,9	100							
35	15:54	SWO Xiphias gladius	1548	A			2	36,1	155							
35	16:08	SSP Tetraodon angustirostris	1549	A			2		130							
35	16:31	SWO Xiphias gladius	1550	A			2	23,2	135							
35	16:40	SWO Xiphias gladius	1551	A			2	32,5	150							
35	16:45	BSH Prionace glauca	1552	A			2	32,4	230	190	45					
353	17:10	SWO Xiphias gladius	1553	A			2	69,5	190							
35	17:15	SWO Xiphias gladius	1554	A			2	26,1	140							



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

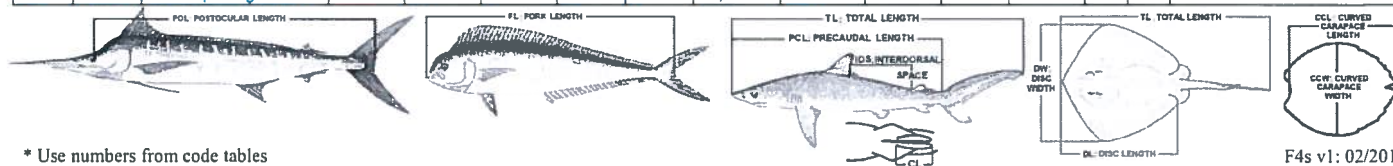
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
35	17:16	SWO Xiphias gladius	1555	A	1	2	1	32,5	150						
35	17:20	SWO Xiphias gladius	1556	A	1	2	1	96	270						
35	17:30	BSH Prionace glauca	1557	A	1	2	2	23	210	170	45				
35	18:49	SWO Xiphias gladius	1558	A	1	2	1	15,9	120						
35	18:50	SWO Xiphias gladius	1559	A	1	2	1	12,1	110						
35	19:20	ALV Alopias vulpinus	1560	A	2	5									
35	19:28	BSH Prionace glauca	1561	A	1	2	2	23	210	170	46				
35	19:35	BSH Prionace glauca	1562	A	1	2	2	23	210	170	45				
35	19:50	BSH Prionace glauca	1563	A	2	2	2	19	190	160	43				
35	19:54	BSH Prionace glauca	1564	A	2	2	2	19	195	160	41				
35	19:56	SWO Xiphias gladius	1565	A	2	2	1	69,5	190						
35	20:24	LEC Lepidocybium flavobrunneum	1566	A	1	2	2	26,8	140						
35	20:26	SWO Xiphias gladius	1567	A	2	2	1	15,9	120						
35	20:34	ALV Alopias vulpinus	1568	A	2	5	2								
35	20:45	BSH Prionace glauca	1569	A	1	2	2	23	215	170	44				
35	20:51	ALV Alopias vulpinus	1570	A	2	5									
35	20:58	SWO Xiphias gladius	1571	A	1	1	1	12,1	110						
35	21:05	BSH Prionace glauca	1572	A	2	2	1	23	210	170	45	18	Y	N	
35	21:12	SWO Xiphias gladius	1573	A	1	2	2	20,6	130						
35	21:15	SWO Xiphias gladius	1574	A	1	2	1	40	160						
35	21:36	SWO Xiphias gladius	1575	A	1	2	2	32,5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

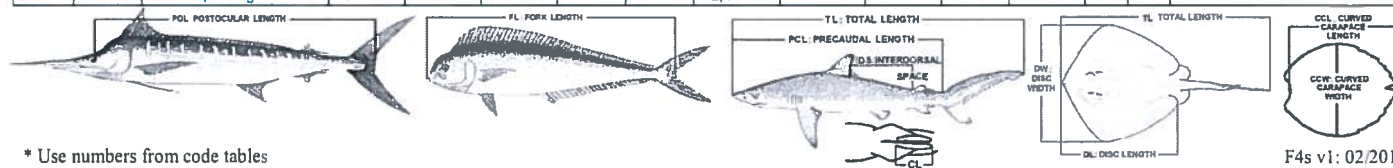
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
35	21:56	SWO Xiphias gladius	1576	A	1	2	1	20,6	130						
35	22:24	SWO Xiphias gladius	1577	A	1	2	1	8,9	100						
35	22:35	SWO Xiphias gladius	1578	A	1	2	2	15,9	120						
35	22:45	SWO Xiphias gladius	1579	A	1	2	1	12,1	110						
35	22:52	SWO Xiphias gladius	1580	A	1	2	1	20,6	130						
35	23:08	SWO Xiphias gladius	1581	A	1	2	1	20,6	130						
35	23:18	SSP Tetraodon lineatus	1582	A	2	1									
35	23:11	SWO Xiphias gladius	1583	A	1	2	1	12,1	110						
35	23:23	SWO Xiphias gladius	1584	A	1	2	1	15,9	120						
35	10:00	SSP Tetraodon lineatus	1585	A	2	2	1		165						
36	10:06	SWO Xiphias gladius	1586	A	1	2	1	8,9	100						
36	10:10	SWO Xiphias gladius	1587	A	1	2	2	20,6	130						
36	10:15	SWO Xiphias gladius	1588	A	1	2	1	12,1	110						
36	10:17	SWO Xiphias gladius	1589	A	1	2	1	12,1	110						
36	10:21	SWO Xiphias gladius	1590	A	1	2	2	8,9	100						
36	10:55	SWO Xiphias gladius	1591	A	3	2	2	242,9	280						
36	11:05	BSH Prionace glauca	1592	A	1	2	2	15,61	170	150	32				
36	11:17	WAH Acanthocybium solandri	1593	A	2	2	2	4,9	145						
36	11:34	BSH Prionace glauca	1594	A	1	2	2	10	150	130	36				
36	11:53	SWO Xiphias gladius	1595	A	1	2	1	12,1	110						
36	12:03	SWO Xiphias gladius	1596	A	1	2	1	12,1	110						



* Use numbers from code tables

F4s vi: 02/2012

CATCH FORM

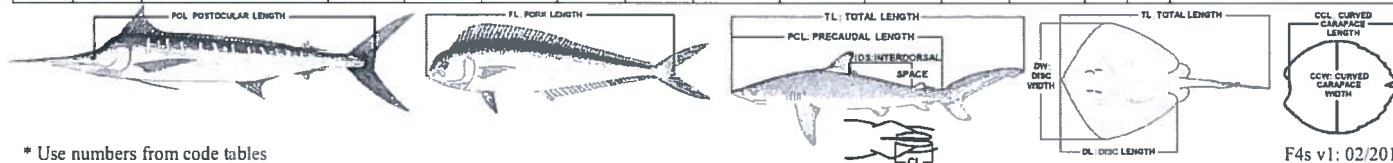
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL-TL-CCL	PCL-DL	IDS-DW-CCW	CL (cm)	CAL	SEMEN	
36	12:10	SWO Xiphias gladius	1597	A	1	2	2	15,9	120						
36	12:15	ALV Alopias vulpinus	1598	A	2	5									
36	12:45	BSH Prionace glauca	1599	A	2	2	2	27,4	210	180	51				
36	12:51	SWO Xiphias gladius	1600	A	2	2	1	12,1	110						
36	13:14	SWO Xiphias gladius	1601	A	2	2	2	15,9	120						
36	13:40	SMA Isurus oxyrinchus	1602	A	3	2	1	118,6	270	250	68	25	Y	N	
36	13:44	BUM Makaira nigricans	1603	A	2	2	2	31,8	175						
36	14:00	ALV Alopias vulpinus	1604	A	3	5									
36	14:05	BSH Prionace glauca	1605	A	2	2	1	50,9	260	220	57	20	Y	N	
36	14:25	LEC Lepidocybium flavobrunneum	1606	A	2	2	2	18,9	125						
36	14:50	SWO Xiphias gladius	1607	A	1	2	2	18,1	125						
36	15:00	SWO Xiphias gladius	1608	A	2	2	1	15,9	120						
36	15:15	ALV Alopias vulpinus	1609	A	2	5	2								
36	15:39	SWO Xiphias gladius	1610	A	3	2	1	20,6	130						
36	15:37	SSP Tetrapturus angustirostris	1611	A	2	1									
36	15:51	SWO Xiphias gladius	1612	A	1	2	2	32,5	150						
36	15:57	BSH Prionace glauca	1613	A	1	2	1	32,4	240	190	52	20	Y	N	
36	16:03	BUM Makaira nigricans	1614	A	1	2	2	41,8	190						
36	16:12	ALV Alopias vulpinus	1615	A	2	5									
36	16:16	BSH Prionace glauca	1616	A	2	2	2	23	210	170	46				
36	16:21	WAH Acanthocybium solandri	1617	A	1	1		14,9	145					1	



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

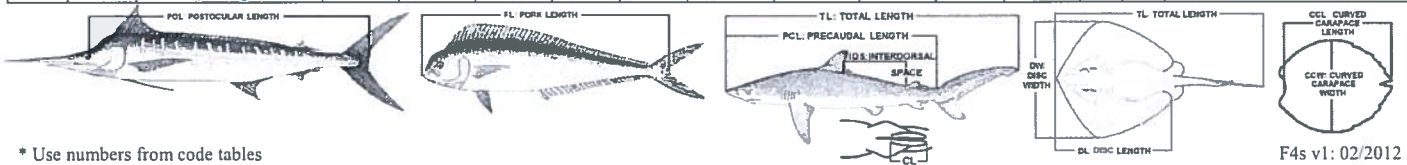
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
36	16:25	WAH <i>Acanthocybium solandri</i>	1618	A	1	1		14,9	145						
36	16:27	SWO <i>Xiphias gladius</i>	1619	A	1	2	1	82	200						
36	16:31	SWO <i>Xiphias gladius</i>	1620	A	2	2	1	32,5	150						
36	16:42	BSH <i>Prionace glauca</i>	1621	A	1	2	1	15,6	185	150	34	13	Y	N	
36	16:49	SWO <i>Xiphias gladius</i>	1622	A	1	2	1	32,5	150						
36	16:55	BSH <i>Prionace glauca</i>	1623	A	1	2	2	50,9	260	220	52				
36	16:55	BSH <i>Prionace glauca</i>	1624	A	1	2	2	19	200	160	39				
36	17:04	SWO <i>Xiphias gladius</i>	1625	A	1	2	1	15,9	120						
36	17:08	SWO <i>Xiphias gladius</i>	1626	A	1	2	1	13,9	115						
36	18:42	BUM <i>Makaira nigricans</i>	1627	A	2	2	2	41,8	190						
36	18:46	SWO <i>Xiphias gladius</i>	1628	A	1	2	2	96	210						
36	18:49	SWO <i>Xiphias gladius</i>	1629	A	1	2	2	96	210						
36	18:51	SWO <i>Xiphias gladius</i>	1630	A	1	2	2	15,9	120						
36	18:53	SWO <i>Xiphias gladius</i>	1631	A	1	2	1	20,6	130						
36	18:54	SWO <i>Xiphias gladius</i>	1632	A	2	2	2	48,6	170						
36	19:00	SWO <i>Xiphias gladius</i>	1633	A	2	2	1	32,5	150						
36	19:16	SSP <i>Tetrapturus angustirostris</i>	1634	A	1	1									
36	19:23	BSH <i>Prionace glauca</i>	1635	A	2	2	2	15,6	180	150	40				
36	19:44	SWO <i>Xiphias gladius</i>	1636	A	2	2	1	26,1	140						
36	19:52	BSH <i>Prionace glauca</i>	1637	A	1	2	2	27,4	230	180	48				
36	20:00	SWO <i>Xiphias gladius</i>	1638	A	1	2	1	26,1	140						



* Use numbers from code tables

F4s v1: 02/2012

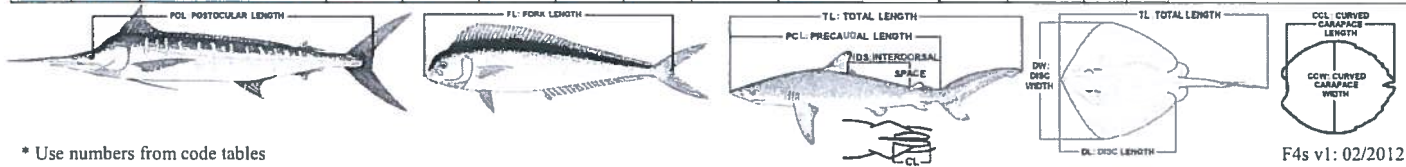
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
36	20:20	BSH <i>Prionace glauca</i>	1639	A	1	2	2	15,6	180	150	36				
36	20:30	SWO <i>Xiphias gladius</i>	1640	A	2	2	2	12,1	110						
36	20:43	SWO <i>Xiphias gladius</i>	1641	A	3	2	2	26,1	140						
36	20:54	ALV <i>Alopias vulpinus</i>	1642	A	3	5	2								
36	21:16	BSH <i>Prionace glauca</i>	1643	A	1	2	2	15,6	190	150	43				
36	21:21	BSH <i>Prionace glauca</i>	1644	A	1	2	2	23	205	170	44				
36	21:42	SWO <i>Xiphias gladius</i>	1645	A	1	2	2	137,9	235						
36	22:00	SWO <i>Xiphias gladius</i>	1646	A	1	2	2	20,6	130						
36	22:15	BSH <i>Prionace glauca</i>	1647	A	1	2	2	37,9	250	200	55				
36	22:20	SWO <i>Xiphias gladius</i>	1648	A	1	2	2	337,7	310						
37	9:26	SWO <i>Xiphias gladius</i>	1649	A	1	2	2	18,1	125						
37	9:27	SWO <i>Xiphias gladius</i>	1650	A	1	2	1	10,4	105						
37	9:44	SWO <i>Xiphias gladius</i>	1651	A	2	2	2	216	270						
37	10:15	SWO <i>Xiphias gladius</i>	1652	A	1	2	1	20,6	130						
37	10:17	SWO <i>Xiphias gladius</i>	1653	A	1	2	1	26,1	140						
37	10:19	SWO <i>Xiphias gladius</i>	1654	A	1	2	1	12,1	110						
37	10:43	SSP <i>Tetrapturus angustirostris</i>	1655	A	2	1									
37	10:58	BSH <i>Prionace glauca</i>	1656	A	2	2	1	23	220	170	47	19	Y	N	
37	11:34	SSP <i>Tetrapturus angustirostris</i>	1657	A	2	1									
37	11:38	SWO <i>Xiphias gladius</i>	1658	A	1	2	1	23,2	135						
37	11:54	SWO <i>Xiphias gladius</i>	1659	A	1	2	1	26,1	140						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
37	12:12	SWO Xiphias gladius	1660	A	1	2	1	40	160						
37	12:38	ALV Alopias vulpinus	1661	A	2	5									
37	12:55	BET Thunnus obesus	1662	A	2	2	1	58,3	150						
37	13:00	SWO Xiphias gladius	1663	A	1	2	1	20,6	130						
37	13:04	SWO Xiphias gladius	1664	A	1	2	1	15,9	120						
37	13:18	SWO Xiphias gladius	1665	A	2	2	1	13,9	115						
37	13:28	SWO Xiphias gladius	1666	A	1	2	1	44,2	165						
37	14:00	SWO Xiphias gladius	1667	A	2	2	2	6,4	90						
37	14:50	SWO Xiphias gladius	1668	A	1	2	1	44,2	165						
37	14:58	SWO Xiphias gladius	1669	A	1	2	2	8,9	100						
37	15:05	BSH Prionace glauca	1670	A	2	2	2	12,6	180	140	35				
37	15:06	BSH Prionace glauca	1671	A	1	2	2	19	200	160	41				
37	15:10	BSH Prionace glauca	1672	A	2	2	2	37,9	250	200	61				
37	15:21	ALV Alopias vulpinus	1673	A	2	5									
37	15:23	SWO Xiphias gladius	1674	A	3	2	2	58,4	180						
37	15:27	SWO Xiphias gladius	1675	A	1	2	1	15,9	120						
37	15:30	Dipturus flavirostris	1676	A	2	5									
37	15:34	SWO Xiphias gladius	1677	A	1	2	2	32,5	150						
37	15:37	SWO Xiphias gladius	1678	A	2	2	1	48,6	170						
37	15:43	BUM Makaira nigricans	1679	A	3	2	2	38,3	185						
37	15:53	BSH Prionace glauca	1680	A	1	2	2	27,4	220	180	46				



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

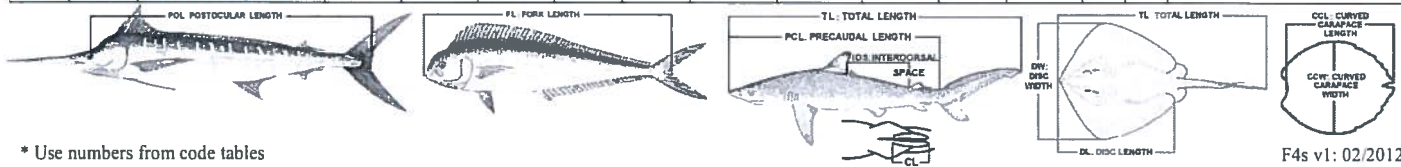
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
37	16:16	SWO Xiphias gladius	1681	A	2	2	2	58,4	180						
37	16:20	Dipturus flavirostris	1682	A	2	5									
37	16:29	SWO Xiphias gladius	1683	A	1	2	1	58,4	180						
37	16:39	SWO Xiphias gladius	1684	A	2	2	1	13,9	115						
37	16:47	SWO Xiphias gladius	1685	A	2	2	1	40	160						
37	18:45	SWO Xiphias gladius	1686	A	1	2	1	58,4	180						
37	18:52	SWO Xiphias gladius	1687	A	2	2	1	20,6	130						
37	18:58	SWO Xiphias gladius	1688	A	2	2	2	20,6	130						
37	19:08	SWO Xiphias gladius	1689	A	1	2	2	69,5	190						
37	19:24	SWO Xiphias gladius	1690	A	1	2	1	29,2	145						
37	19:30	SWO Xiphias gladius	1691	A	1	2	2	10,4	105						
37	19:41	SWO Xiphias gladius	1692	A	1	2	1	36,1	155						
37	20:07	SWO Xiphias gladius	1693	A	2	1									
37	20:26	SWO Xiphias gladius	1694	A	1	2	2	26,1	140						
37	20:31	SWO Xiphias gladius	1695	A	2	2	1	32,5	150						
37	20:44	BSH Prionace glauca	1696	A	2	2	2	19	210	160	40				
37	21:15	SWO Xiphias gladius	1697	A	1	2	2	12,1	110						
37	21:25	SWO Xiphias gladius	1698	A	1	2	1	8,9	100						
37	22:19	SWO Xiphias gladius	1699	A	1	2	2	12,1	110						
37	22:39	SWO Xiphias gladius	1700	A	2	3	1								Sem rabo comido pela orca
37	22:46	SWO Xiphias gladius	1701	A	1	2	1	20,6	130						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

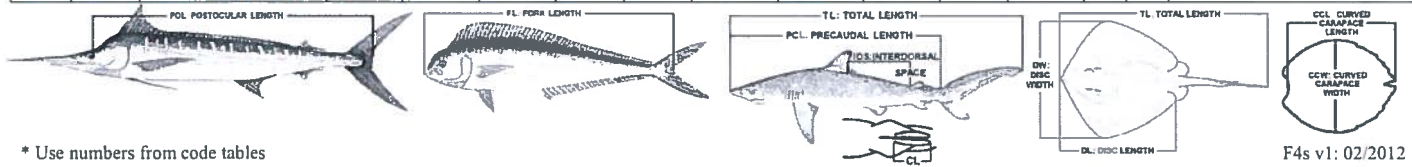
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
37	23:26	SWO Xiphias gladius	1702	A	1	2	2	82	200						
37	23:27	WAH Acanthocybium solandri	1703	A	2	3	2	16,4	150						
37	23:40	SWO Xiphias gladius	1704	A	2	2	1	20,6	130						
37	23:49	SWO Xiphias gladius	1705	A	1	2	1	82	200						
37	1:05	SWO Xiphias gladius	1706	A	1	2	1	69,5	190						
37	1:11	SWO Xiphias gladius	1707	A	1	2	1	20,6	130						
37	1:25	SWO Xiphias gladius	1708	A	1	2	2	32,5	150						
37	1:27	BSH Prionace glauca	1709	A	2	2	2	19	195	160	39				
37	1:31	BSH Prionace glauca	1710	A	1	2	2	37,9	250	200	50				
37	1:39	BSH Prionace glauca	1711	A	1	2	2	10	165	130	34				
37	1:44	BSH Prionace glauca	1712	A	2	2	2	10	165	130	34				
37	2:03	SWO Xiphias gladius	1713	A	1	2	1	15,9	120						
37	2:08	BSH Prionace glauca	1714	A	1	2	2	27,4	220	180	43				
37	2:22	BSH Prionace glauca	1715	A	1	2	2	19	195	160	35				
37	2:29	BSH Prionace glauca	1716	A	1	2	1	27,4	240	180	49	22	Y	N	
37	3:00	BSH Prionace glauca	1717	A	1	2	2	27,4	215	180	49				
37	3:14	BSH Prionace glauca	1718	A	1	2	2	44,1	250	210	53				
37	3:17	SWO Xiphias gladius	1719	A	1	2	1	29,2	145						
37	3:21	BSH Prionace glauca	1720	A	1	2	2	15,6	190	150	46				
37	3:28	SWO Xiphias gladius	1721	A	1	2	2	53,3	175						
37	3:34	SWO Xiphias gladius	1722	A	1	2	2	32,5	150						



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

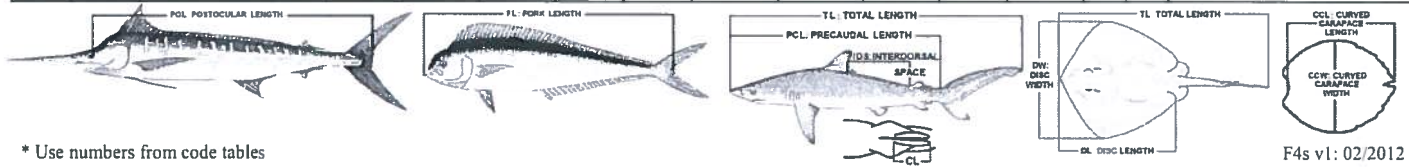
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

Set No.	Time	Species name	Number caught	Hook A B C	Hook location *	Disposition *	Sex M=1 F=2	Weight (kg)	LENGTHS (cm)			Male sharks			Observations
									POL-FL- TL-CCL	PCL- DL	IDS- DW- CCW	CL (cm)	C A L	S E M E N	
37	3:50	BSH <i>Prionace glauca</i>	1723	A	1	2	1	37,9	250	200	57	19	Y	N	
37	3:55	SWO <i>Xiphias gladius</i>	1724	A	1	2	1	20,6	130						
37	4:06	SWO <i>Xiphias gladius</i>	1725	A	1	2	1	20,6	130						
37	4:14	SWO <i>Xiphias gladius</i>	1726	A	2	2	1	36,1	155						
37	4:28	SWO <i>Xiphias gladius</i>	1727	A	2	2	2	8,9	100						
37	4:34	SWO <i>Xiphias gladius</i>	1728	A	2	2	1	8,9	100						
37	4:50	SWO <i>Xiphias gladius</i>	1729	A	2	2	1	15,9	120						
37	4:53	SWO <i>Xiphias gladius</i>	1730	A	1	2	1	8,9	100						
37	5:07	BSH <i>Prionace glauca</i>	1731	A	1	2	2	25,1	205	175	44				
37	5:16	BSH <i>Prionace glauca</i>	1732	A	1	2	2	37,9	250	200	48				
37	5:21	SWO <i>Xiphias gladius</i>	1733	A	2	2	2	12,1	110						
37	5:30	SWO <i>Xiphias gladius</i>	1734	A	1	2	2	15,9	120						
37	5:50	SWO <i>Xiphias gladius</i>	1735	A	1	2	1	8,9	100						
37	5:55	BSH <i>Prionace glauca</i>	1736	A	1	2	2	23	220	170	46				
37	6:04	SWO <i>Xiphias gladius</i>	1737	A	1	2	2	40	160						
37	6:06	SMA <i>Isurus oxyrinchus</i>	1738	A	1	2	1	26	160	150	50	19	Y	N	
37	6:15	BSH <i>Prionace glauca</i>	1739	A	1	2	2	15,6	180	150	40				
37	6:16	BSH <i>Prionace glauca</i>	1740	A	1	2	2	23	190	170	37				



* Use numbers from code tables

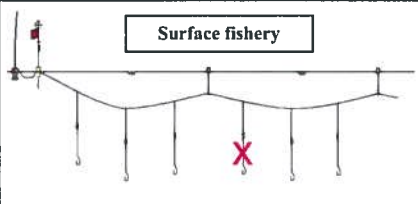
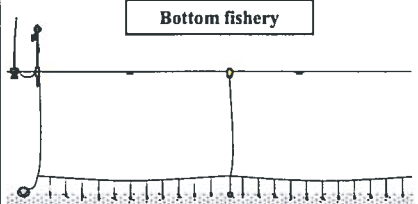
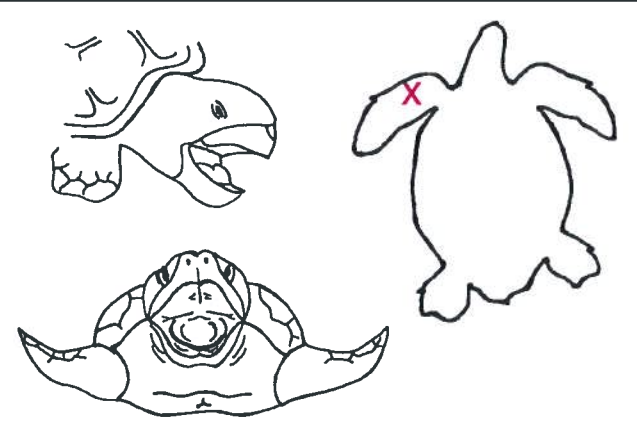

F4s v1: 02/2012

TURTLE FORM

F5

(Record turtle sightings only for hawksbill, loggerhead and leatherback turtles)

VESSEL: Balueiro CUIB8 SAMPLE No: OBSERVER: Silvestre Ramos Natário

Date	Time	Set number	Species	Sex	CCL ¹ (cm)	CCW ² (cm)	Tail LTC (cm)	Hook <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	Color of the nearest float or buoy*					
25-12-2016	22:33	17	<i>Dermochelys coriacea</i>	-	-	-	-	J-Straight	RED- 4					
Position:		Latitude	18°44'	Longitude	99°25'									
Condition *()		Entanglement *()		Hooking *()		Disposition*()		Observations:						
5		1		-		-		Released as soon as the cable was pulled						
Turtle location in relation to the fishing gear					Hook location and turtle entanglement									
 <p style="text-align: center;">Surface fishery</p>  <p style="text-align: center;">Bottom fishery</p>										Existing tag 1: Existing tag 2: New tag 1: New tag 2: 				
¹ CCL: Curved carapace length ² CCW: Curved carapace width														

* Use numbers from code tables