

SPC/FFA REGIONAL PURSE SEINE OBSERVER SET DETAILS

FORM PS - 3

REV. 2018

OBSERVER NAME			VESSEL NAME				PAGE OF							
							(SET No.)							
OBSERVER TRIP I.D. NUMBER		START OF SET DATE AND TIME				START OF SET DATE AND TIME								
		OBSERVER: (see PS-2)		YY	MM	DD	hh	mm	VESSEL LOG:	YY	MM	DD	hh	mm

SET SEQUENCE TIMES							
EVENT:	if SSI OBSERVED (Obs Time Sighted)	START OF SET (SKIFF OFF)	BEGIN PURSING	END PURSING	BEGIN BRAILING	END OF BRAILING / SACK ONBOARD	END OF SET (NEXT ACTIVITY STARTS)
TIME:							

SET CATCH DETAILS																
brail capacity sum of all brails Total catch (<input type="text"/> mT x <input type="text"/>) = <input type="text"/> mT Type 1 brail (see PS-1 form) less bycatch (see below)			OBSERVER'S BREAKDOWN OF TOTAL TUNA CAUGHT - circle YES or NO for each species						N.B.: these calculations include all the tuna in this catch, whether retained or discarded							
+ Type 2 brail (<input type="text"/> mT x <input type="text"/>) = Total tuna catch <input type="text"/> mT			→		SKIP-JACK				YELLOWFIN				BIGEYE			
					SMALL (< 75 cm)		LARGE (> 75 cm)		SMALL (< 75 cm)		LARGE (> 75 cm)					
					YES (%)	NO	YES (%)	NO	YES (%)	NUMBER	YES (%)	NO	YES (%)	NUMBER	YES (%)	NUMBER
					NO		NO		NO		NO		NO		NO	

BY-CATCH (ALL NON-TARGET SPECIES & ALL SSI LANDINGS)						Target Tunas			SKJ	YFT	BET	
SPECIES CODE	FATE CODE	OBSERVER (mT) No.	VESSEL LOG (mT) No.	SSI CONDITION CAUGHT / DISCARD	COMMENTS / SSI TREATMENT	A. OBSERVER estimates of total of each species caught (mT)						
						Observer	FATE					
							a. (mT)					
						Vessel	FATE					
							(mT)					
						Observer	FATE					
							b. (mT)					
						Vessel	FATE					
							(mT)					
						Observer	FATE					
							c. (mT)					
						Vessel	FATE					
							(mT)					
Total weight of bycatch: <input type="text"/> mT						B. OBSERVER totals (mT) discards + RCC (a+b+c):						

SPECIES OF SPECIAL INTEREST				COMMENTS / SSI TREATMENT													
Interactions with primary gear (not landed)																	
SPECIES CODE	GEAR INTERACTION CODE	OBSERVER (mT) No.	CONDITION Captured Released														
								Tuna kept onboard for later unload if not RWW	FATE								
									OBS (mT)								
									VES (mT)								
								Due to gear break bycatch mitigation	FATE			RWW	RWW	RWW			
									OBS (mT)								
									VES (mT)								
												OBS (mT)					
												VES (mT)					

FATE CODES												
RWW	Retained - whole weight	DFR	Discarded trunk - fins retained (shark only)	DPQ	Discarded - poor quality	GEAR INTERACTION CODES						
RHG	Retained - headed and gutted (billfish only)	DTS	Discarded - too small (tuna only)	DOR	Discarded - other reasons (specify)	IEN - Entangled (in gear)						
RGG	Retained - gilled and gutted (kept for sale)	DGD	Discarded - gear damage (tuna only)	ESC	Escaped	IJO - Jumped out (over net)						
RPT	Retained - partial (e.g. fillet, loin)	DVF	Discarded - vessel fully loaded	(use these fate codes for any SSIs landed on deck)			ICR - Crew released from net					
RCC	Retained - crew consumption (onboard)	DUS	Discarded - unwanted species	DPA - Discarded Protected Species - Alive			IBR - Broke through net					
ROR	Retained - other reason (specify)	DSD	Discarded - shark damage	DPD - Discarded Protected Species - Dead			IRN - Roped, pulled from net					
RFR	Retained trunk - fins retained (shark only)	DWD	Discarded - whale damage	DPU - Discarded Protected Species - Unknown			OTH - Other, please specify					

(A PS-3 form **must** be filled out for the first and every set (recorded as *activity code 1* on PS-2) - whether monitored or not, even if a skunk set.) (For the very rare occasion that a set is not monitored the column for the vessel's estimate of catch must still be completed.) (N.B.: A PS-4 form is not required for skunk set.)

OBSERVER NAME	Print first name first and last name last. E.g.: "John Smith" not "Smith John". Print clearly !	
VESSEL NAME	Full unabbreviated name. E.g.: a boat with name "Captain Paul Catchit" should not be abbreviated to Capt. P.Catchit.	
PAGE OF START OF SET DATE and TIME	Observer (PS-2) Vessel (logsheet)	
Observer (PS-2)	The exact date and time that the observer recorded for this set on the PS-2. Record as year/month/day.	
Vessel (logsheet)	The exact date and time that the vessel has recorded for this set on their PS Log Sheet. Record as year/month/day.	
If SSI Observed (Obs Time Sighted)	Mark the time the observer first noticed the species of special interest. Only required for SSIs that eventually end up inside the net or were landed (i.e not required for sighted SSIs).	
SET SEQUENCE	BEGIN SET (SKIFF OFF)	Exact same time as recorded on the daily log (PS-2) and in the "Observer Start of Set Date and Time" section. The purse wire will be thrown to the vessel from the skiff, and it will then be attached to the winch.
	BEGIN PURSING (WINCH ON)	Record the time the winch is switched on.
	END PURSING (RINGS UP)	During the winching, a bunch of rings will come on board. Record the time when the last of the rings appears. This indicates the net has totally enclosed (pursed) the fish and they cannot escape.
	BEGIN BRAILING	Record the time the vessel starts the brailing process. This will have been recorded on the PS-4 form. If there was no brailing just record a dash.
	END BRAILING / SACK ONBOARD	Record the time when the vessel finishes brailing. If there was no brailing record the time that the sack was lifted up on to the deck.
	END SET (NEXT ACTIVITY START)	Next activity START marks end of set (no later than 'skiff comes on board'). Record the activity change on PS -2.
SET CATCH / CAPTURE DETAILS	TOTAL CATCH and TOTAL TUNA CATCH	
	Braile Capacity	Find on the PS-1. Use to calculate total catch. 'Braile capacity' x 'Sum of all brailes' = 'TOTAL CATCH'
	Sum of all brailes	After calculating the total number of brailes on the PS-4 form (for the same set) transfer your answer here.
	Type 1 and Type 2 brailes	... if a 2nd braile type is also used for this set samples, estimates of the braile capacity for both braile types must be made. Fill the 'braile capacity' and the 'sum of all braile' fields for both the 'type 1' and the 'type 2' brailes. Add calculations of total catch from each braile type together to get a single "TOTAL CATCH" figure. (If there is no 'type 2' braile (which is normal) then simply record a dash in each of the 'type 2' fields and all other calculations will be based only on the 'type 1' braile information that is provided.)
	TOTAL CATCH less bycatch	This is the combined weight of all the (target and bycatch species) fish brought onboard. Calculate the amount of bycatch (in mT) that is in the catch in the bycatch area below and transfer to this field.
	TOTAL TUNA CATCH	Subtract the total amount of bycatch from the TOTAL CATCH to get TOTAL TUNA CATCH. This includes all tuna caught whether or not it is later discarded. It does not include tuna that escaped alive from net.
	YES or NO	YES' or 'NO' must be circled to show if SKJ, small YFT, large YFT, small BET, large BET were even seen in the catch.
	OBSERVER's BREAKDOWN of TOTAL TUNA CAUGHT	% Carefully eye-estimate the percentage of the TOTAL TUNA for each species (+ each size category for YFT and BET) N.B.: % of small (or large) YFT (or BET) is the % of TOTAL TUNA ! NOT % of that species of tuna. Number If there are not many large YFT or BET and good estimate of number can be made record number of large YFT (or BET) If a good estimate (counts) is not easy, dash the 'number' field. Do not make a rough estimate !
	BY-CATCH SPECIES CODE	Record every species that lands on deck with the three letter FAO species code.
	FOR SPECIES OF SPECIAL INTEREST	In the normal manner, record any SSIs that land on deck, estimate total weight and number. Fill in a condition code to indicate the status of the SSI when landed and when discarded/ released. Note SSIs cannot be kept onboard (injured turtle may be while recovering). Use a second line if different condition codes for same species (i.e. Landed: 10 FAL A1, 5 FAL A3). <u>These landed SSIs are no longer recorded on Gen-2 form.</u> Describe interaction / Treatment / Release in comments, journal, report. Use new PS 4 sample type - 'other' to record length and sex of landed SSIs.
	1. (under 'Bycatch - all non-target species & all SSI landings)	Record any SSIs you see inside or touching the primary gear (net), but are not subsequently landed onto the deck in this area.
	2. (under SSI Interactions with primary gear- not landed)	Use the new gear interaction codes instead of the normal fate codes in this area. Record their condition (A0- alive, A1- alive and healthy, A2 - alive injured, A3 - alive but dying, D - Dead, U - unknown) under the Condition data fields, for when first observed as captured and when released.
	3. Comment / SSI Treatment	Add some notes on how the vessel handled or treated the SSI. Example -'released by lowering net etc'.
	FATE CODE	Use fate codes provided to say what happened to each species landed Remember that a species may be split into groups each with a different fate code. Use 1 line per species/fate group. Eg: RRU RWW 2 mT REMEMBER - use only one (the best and most informative) code for each line. RRU DTS 0.5 mT
	OBSERVER (mT)	Calculate the amount of each species caught, in each fate code category, using an appropriate assessment technique. Use mT. For instance if 300 kg of Mahi mahi and 40 kg of wahoo were caught - record 0.3 mt DOL /0.04 mt WAH. Number Only record a number if an accurate count is possible. Large amounts are recorded in "mT". If possible record both.
	VESSEL LOG (mT)	Copy the figures recorded by the ship's officers on the Vessel Logsheet, for this set. Number Place a dash in the column if they have not recorded the species.
	Total weight of bycatch	Calculate from the fields above for observer (important for use in 'Total Tuna' calculation) and vessel bycatch estimates.
TARGET TUNA		
A. OBSERVER estimates of total caught	Calculate the combined large and small % x Total tuna catch for each species (SKJ, YFT and BET)	
FATE	Record fate of discarded tuna or tuna retained for crew consumption (RCC), using fate codes listed at bottom of form.	
OBS (mT)	Give a careful approximation (eye-estimate) of the total amount of catch for the relevant fate /species code combination. Record the amounts in metric tonnes.	
VES (mT)	Copy the weight, as recorded for each species in the vessel's logsheet. If nothing is recorded in the logsheet place a dash in the data field. If "0" is recorded on the logsheet record "0" here.	
B. OBSERVER totals (mT) discarded + RCC	For each species add together the mT amounts that are recorded in the rows 'a.', 'b.' and 'c.' to get the total of all the discarded and the retained for crew consumption (RCC) combined for that species.	
Tuna kept onboard for later unload	Usually tuna are retained whole weight (RWW). If so then RWW can be calculated as (A. - B.) for each species. If tuna is otherwise retained onboard for later unload (fate = R??) then A. - B. = the combined total of RWW + R??	
Due to gear break / bycatch mitigation	ESC Best observer estimate of mT of any live tuna that escaped during set. Refer to Captain for any tuna seen escaping via sonar. Include any live tuna escaped from gear breakage or because vessel tries to release important bycatch. N.B. This does not include dead tuna that are released from the net after a breakdown during or after net sac-up = discards.	
TAGS	How many tags were recovered ? species and tag numbers	Note the number of tags found during this set. Look out for tags on tuna, billfish, sharks, turtles, birds, etc. Record tag number and species . Note tag colour, tagging organisation and any unusual features about condition. Fill these and other tag details into the tag recovery form.