SPC/FFA REGIONAL PURSE SEINE OBSERVER SET DETAILS

FORM PS - 3

REV. MAR. 2014

OBSERVER NAME	VESSEL NAME	PAGE OF (SET No.)

OBSERVER TRIP I.D. NUMBER	START OF SET DATE AND TIME — OBSERVER: (see PS-2)	YY	MM	DD	hh	mm	START OF SET DATE AND TIME — VESSEL LOG:	YY	MM	DD	hh	mm

SET SEQUENCE TIMES

EVENT:	START OF SET (SKIFF OFF)	BEGIN PURSING (WINCH ON)	END PURSING (RINGS UP)	BEGIN BRAILING	END OF BRAILING / SACK ONBOARD	END OF SET (NEXT ACTIVITY START)
TIME:						

SET CATCH DETAILS

brail capacity (mT) **x** **sum of all brails** **) = Total catch** (mT)

Type 1 brail *(see PS-1 form)* — *(see PS-4 form)*

less bycatch *(see below)* (mT)

=> Total tuna catch (mT)

+ type 2 brail (mT) x ( )

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

SKIP-JACK		YELLOWFIN					BIGEYE				
		SMALL (< 75 cm)		LARGE (> 75 cm)			SMALL (< 75 cm)		LARGE (> 75 cm)		
YES	(%)	YES	(%)	YES	(%)	NUMBER	YES	(%)	YES	(%)	NUMBER
NO		NO		NO			NO		NO		

BY-CATCH (ALL NON-TARGET SPECIES)

SPECIES CODE	FATE CODE	OBSERVER (mT)	OBSERVER No.	VESSEL LOG (mT)	VESSEL LOG No.	COMMENTS
Total weight of bycatch:		mT		mT		

Comments

TAGS - How many Tags were recovered? ____ *Record species and tag numbers. Fill tag recovery forms!*

TARGET TUNA

		SKJ	YFT	BET
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)			
B. **OBSERVER totals (mT)** discards + RCC *(a+b+c)*:				
Tuna kept onboard for later unload if not RWW	FATE			
	OBS (mT)			
	VES (mT)			
	FATE	RWW	RWW	RWW
	OBS (mT)			
	VES (mT)			
Due to gear break / bycatch mitigation		ESC	ESC	ESC
estimates	OBS (mT)			
	VES (mT)			

FATE CODES

RWW	Retained - whole weight	DFR	Discarded trunk - fins retained (shark only)	DPA	Discarded SSI (species of special interest) - alive
RHG	Retained - headed and gutted (billfish only)	DTS	Discarded - too small (tuna only)	DPD	- dead
RGG	Retained - gilled and gutted (kept for sale)	DGD	Discarded - gear damage (tuna only)	DPU	- unknown condition
RPT	Retained - partial (e.g. fillet, loin)	DVF	Discarded - vessel fully loaded	DPQ	Discarded - poor quality
RCC	Retained - crew consumption (onboard)	DUS	Discarded - unwanted species	DOR	Discarded - other reasons (specify)
ROR	Retained - other reason (specify)	DSD	Discarded - shark damage	ESC	= Escaped
RFR	Retained trunk - fins retained (shark only)	DWD	Discarded - whale damage		

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PURSE SEINE LOG - SET DETAILS

Notes on FORM PS-3

(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 occassion 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		Number each PS-3 form from start until end of trip. Because one PS-3 is used for every set this is also the set No.
OBSERVER TRIP ID No.		This number is the same on all forms for a single observer trip.
START of SET DATE and TIME	**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/date.
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, above.
BEGIN PURSING (WINCH ON)		The purse wire will be thrown to the vessel from the skiff, and it will then be attached to the winch. 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 DETAILS		
TOTAL CATCH and TOTAL TUNA CATCH		
Brail Capacity		Find on the PS-1. Use to calcualte total catch. **'Brail capacity' x 'Sum of all brails' = 'TOTAL CATCH'**
Sum of all brails		After calculating the total number of brails on the PS-4 form (for the same set) transfer your answer here.
Type 1 and Type 2 brails		... if a 2nd brail type is also used for this set samples, estimates of the brail capacity for both brail types must be made. Fill the 'brail capacity' and the 'sum of all brail' fields for both the 'type 1' and the 'type 2' brails. Add calculations of total catch from each brail type together to get a single "TOTAL CATCH" figure. (If there is no 'type 2' brail (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' brail information that is provided.)
TOTAL CATCH		This is the combined weight of all the (target and bycatch species) fish brought onboard.
less bycatch		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.
OBSERVER's BREAKDOWN of TOTAL TUNA CAUGHT	**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
	%	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.
FATE CODE		Use fate codes provided to say what happened to each species landed. Use 1 line per species/fate group. Remember that a species may be split into groups each with a different fate code. Eg: RRU RWW 2 mT RRU DTS 0.5 mT **REMEMBER** - use only one (the best and most informative) code for each line.
OBSERVER		**NEW 2014:** Use the SSI FATE CODES FOR ALL SHARKS to indicate 'live' status. Use 'RFR / DFR' in comments if finning observed).
	(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. **Record in metric tonnes**. E.g.: If amount on logsheet is in short tons this MUST be converted to metric tonnes.
B. **OBSERVER totals (mT) discards + 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 trys 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 from in 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 (and GEN-2 form if necessary).