

**PURSE SEINE SET LOG**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**OBPSH OBHAU OBSPP 05/01/16**

OBS/ TRIP ID	
DATE LAND (mm/yy)	/ /
PAGE #	<input type="checkbox"/> OF <input type="checkbox"/>

GEAR CODE <input type="text"/>	GEAR # <input type="text"/>	HAUL # <input type="text"/>	HAUL OBS? NO 0 _____ YES 1 _____	ON-EFFORT? NO 0 _____ YES 1 _____	CATCH? NO 0 _____ YES 1 _____	INC TAKE? NO 0 _____ YES 1 _____	WEATHER CODE	WIND SPEED _____ kn      DIRECTION _____ °		WAVE HEIGHT _____ ft	DEPTH, HAUL BEGIN _____ fm	GEAR COND CODE	
SET INFO	DATE mm/dd/yy	TIME 24 hours	LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)					SET SPEED _____ kn	TARGET SPECIES		CODE(S)		
BEGIN	/ /	:	Station 1 9960 -	Latitude / Bearing	Station 2 9960 -	Longitude / Bearing							
END	/ /	:	PLANE USED?	TIME UP	WATER TEMP (Fahrenheit)		NO 0      YES 1			NO 0      YES 1			
FISH PUMPING			NO 0 _____	TIME DOWN	o		SET BY PLANE? _____	SUCCESSFUL SET? _____					
BEGIN	/ /	:	YES 1 _____		F		SET ON DEBRIS? _____	FISH LOST? _____					
END	/ /	:											

COMMENTS

SPECIES		POUNDS	DISP CODE	WEIGHT		SPECIES		POUNDS	DISP CODE	WEIGHT	
NAME	CODE			D/R	ESTIMATION METHOD CODE	NAME	CODE			D/R	ESTIMATION METHOD CODE
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

**CATCH ESTIMATION WORKSHEET  
NMFS FISHERIES OBSERVER PROGRAM**

05/01/16

OBS/TRIP ID	
DATE LANDED mm/yy	/ /
HAUL #	

<b>SORTING METHOD</b> Check all that apply 1 <input type="checkbox"/> Picked 2 <input type="checkbox"/> Shoveled 3 <input type="checkbox"/> Deckloaded 4 <input type="checkbox"/> Conveyor System 5 <input type="checkbox"/> Pumping System 9 <input type="checkbox"/> Other (Comment)	<b>ESTIMATION METHODS</b> 01 = Actual (Spring Scale)    11 = Actual (Electronic Scale) 05 = Tally    03 = Basket or Tote Count 02 = Volume-to-Volume    13 = Count-to-Count 14 = Weight-to-Weight    07 = Cumulative Sum 12 = Trap Subsample    10 = Catch Composition Log 04 = Captain    06 = Visually Estimated 98 = Combination (Comment) 99 = Other (Comment)	
	<b>MAREL SCALE CALIBRATION WT</b> _____	

BASKET OR TOTE COUNT OR TALLY									
**Unit Types: B = Basket, T = Tote, I = Individual (tally), O = Other									
Species	Disp. Code	**Unit Type	List Individual Sample Weights	Total Sample Weight	# of Sample Units	Avg. Weight per Unit	Total # of Units	Total Est. Weight	
1						_____			
2						_____			
3						_____			
4						_____			
5						_____			
6						_____			
7						_____			
8						_____			
9						_____			
10						_____			

**VOLUME-TO-VOLUME**  
CATCH PILE SHAPE AS SEEN FROM ABOVE:

**Trapezoid**  

$$\left( \frac{W1 + W2}{2} \right) \times L \times \text{Avg. Depth} \times 0.5 = \text{Volume (ft}^3\text{)}$$

**Rectangle**  

$$W \times L \times \text{Avg. Depth} = \text{Volume (ft}^3\text{)}$$

**Triangle**  

$$\left( \frac{W}{2} \right) \times L \times \text{Avg. Depth} \times 0.5 = \text{Volume (ft}^3\text{)}$$

**Full Oval or Half-Oval**  

$$W \times L \times \text{Avg. Depth} \times 0.785 = \text{Volume (ft}^3\text{)}$$

**Other Shapes or Combination:** Draw and label all dimensions in comments.

DEPTHS: Representative depths (ft) systematically taken throughout the catch pile. Include a single depth of 0.0 ft if the catch pile is not in a checker pen or slopes to zero.

COMMENTS :

<b>A) Total Haul Vol.</b> _____ ft <sup>3</sup>	<b>B) Total Subsample Vol.</b> _____ Basket(s) X 1.47 ft <sup>3</sup> = _____ ft <sup>3</sup> _____ Tote(s) X 2.65 ft <sup>3</sup> = _____ ft <sup>3</sup> _____ Other(s) X _____ ft <sup>3</sup> = _____ ft <sup>3</sup>	<b>C) Sample Weight Multiplier</b> (A ÷ B) _____ >> Copy to Front >>
<b>OTHER SUBSAMPLE TYPES</b> Unit Type <input type="checkbox"/> Basket <input type="checkbox"/> Tote <input type="checkbox"/> Weight <input type="checkbox"/> Trap <input type="checkbox"/> Count <input type="checkbox"/> Other	A) Total _____ B) Sample _____	

**DECKLOADING and CUMULATIVE SUM**

Entire Deckloading Haul Range _____	Deckloading Measurements Total Pile Vol. _____ ft <sup>3</sup> Remainder Pile Vol. _____ ft <sup>3</sup> A) Total Haul Vol. _____ ft <sup>3</sup>
Number of Hauls _____	*Est.Meth.: Estimation Method used to obtain species Total Samp. Wgt. for cumulative sum calculation. If not '01' or '11' show all additional calculations & use '98' on front.

Species	Disp. Code	Total Sampled Weight	*Est. Method	Weight per Haul
1				
2				
3				
4				
5				