

**PURSE SEINE SET LOG**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**OBPSH OBHAU OBSPP 01/01/21**

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

GEAR CODE [ ][ ][ ]	GEAR # [ ][ ]	HAUL # [ ][ ][ ]	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	TARGET SPECIES CODE(S)				
BEGIN	/ /	:	Station 1 9960 -	Latitude / Bearing	Station 2 9960 -	Longitude / Bearing	_____ kn					
END	/ /	:	PLANE USED? NO 0 _____ YES 1 _____	TIME UP :	WATER TEMP (Fahrenheit) _____ ° F		NO 0 _____ YES 1 _____	SET BY PLANE? _____	SUCCESSFUL SET? _____	NO 0 _____ YES 1 _____	SET ON DEBRIS? _____	FISH LOST? _____
FISH PUMPING			TIME DOWN :									
BEGIN	/ /	:										
END	/ /	:										

COMMENTS

SPECIES		POUNDS	DISP CODE	WEIGHT ESTIMATION METHOD		SPECIES		POUNDS	DISP CODE	WEIGHT ESTIMATION METHOD	
NAME	CODE			D/R	METHOD CODE	NAME	CODE			D/R	METHOD CODE
1						11					
2						12					
3						13					
4						14					
5						15					
6						16					
7						17					
8						18					
9						19					
10						20					

**CATCH ESTIMATION WORKSHEET**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**01/01/21**

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

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

**MAREL SCALE**  
**CALIBRATION WT**  
 \_\_\_\_\_

**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**  

$$\left( \frac{\text{Width 1} + \text{Width 2}}{2} \right) \times \text{Length} \times \text{Avg. Depth} \times 0.5 = \text{Volume (ft}^3\text{)}$$

**Rectangle**  

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

**Triangle**  

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

**Full Oval or Half-Oval**  

$$\left( \frac{\text{Width}}{2} \right) \times \text{Length} \times \text{Avg. Depth} \times 0.785 = \text{Volume (ft}^3\text{)}$$

**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 :**

_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
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<b>A) Total Haul Vol.</b>	<b>B) Total Subsample Vol.</b>	<b>C) Sample Weight Multiplier</b> (A ÷ B)
_____ Basket(s) X _____ ft <sup>3</sup>	1.47 ft <sup>3</sup> = _____ ft <sup>3</sup>	
_____ Tote(s) X _____ ft <sup>3</sup>	2.65 ft <sup>3</sup> = _____ ft <sup>3</sup>	

<b>OTHER SUBSAMPLE TYPES</b>	<b>Unit Type</b>	<b>A) Total</b>	<b>B) Sample</b>
	<input type="checkbox"/> Basket <input type="checkbox"/> Tote		
	<input type="checkbox"/> Weight <input type="checkbox"/> Trap		
	<input type="checkbox"/> Count <input type="checkbox"/> Other		

>> Copy to Front >>

**DECKLOADING and CUMULATIVE SUM**

Entire Deckloading Haul Range	Deckloading Measurements	
_____ - _____	Total Pile Vol.	Remainder Pile Vol.    A) Total Haul Vol.
	_____ ft <sup>3</sup>	_____ ft <sup>3</sup> = _____ 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				