

**SCALLOP TRAWL HAUL LOG**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**OBSTH OBHAU OBSPP 01/01/21**

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 <input type="text"/> YES 1 <input type="text"/>	ON-EFFORT? NO 0 <input type="text"/> YES 1 <input type="text"/>	CATCH? NO 0 <input type="text"/> YES 1 <input type="text"/>	INC TAKE? NO 0 <input type="text"/> YES 1 <input type="text"/>	WEATHER CODE	WIND SPEED <input type="text"/> kn DIRECTION <input type="text"/> °	WAVE HEIGHT <input type="text"/> ft	DEPTH, HAUL BEGIN <input type="text"/> fm	GEAR COND CODE		
HAUL INFO	DATE mm/dd/yy	TIME 24 hours	LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)				NET OBSERVED	TOW SPEED	WIRE OUT				
BEGIN HAUL	/ /	:	Station 1 9960 -	Latitude / Bearing	Station 2 9960 -	Longitude / Bearing	Port 1 <input type="text"/> Starboard 2 <input type="text"/>	<input type="text"/> kn	<input type="text"/> fm				
BEGIN FISHING	/ /	:					Both 3 <input type="text"/> Aft 4 <input type="text"/>	TARGET SPECIES		CODE			
END HAUL	/ /	:	9960 -		9960 -		<b>Sea Scallops</b>		<b>8009</b>				
GEAR ONBOARD	/ /	:					SEA SCALLOP CLAPPERS OBS? NO 0 <input type="text"/> YES 1 <input type="text"/>	NUMBER OF TURNS					
COMMENTS												WATER TEMP <input type="text"/> ° F	
								SAMPLE WEIGHT MULTIPLIER <input type="text"/>	VERTICAL OPENING ** <input type="text"/> ft	HORIZONTAL OPENING ** <input type="text"/> ft	DOOR SPREAD ** <input type="text"/> ft		

\*\* Only fill in if gear mounted electronics are used.

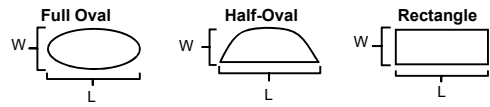
SPECIES		SUB-SAMPLE WEIGHT	POUNDS	DISP CODE	WEIGHT		SPECIES		SUB-SAMPLE WEIGHT	POUNDS	DISP CODE	WEIGHT	
NAME	CODE				D/R	ESTIMATION METHOD CODE	NAME	CODE				D/R	ESTIMATION METHOD CODE
1	Sea Scallops	8009		100				11					
2								12					
3								13					
4								14					
5								15					
6								16					
7								17					
8								18					
9								19					
10								20					

**CATCH ESTIMATION WORKSHEET (SCALLOP)**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**01/01/21**

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>DECKLOADING</b> Entire Deckloading Haul Range _____ Number of Hauls _____	<b>CUMULATIVE SUM</b> *Estimation Method used to obtain species Total Samp.Wgt. for cumulative sum calculation. If not '01' or '11' show all additional calculations and use '98' on front.																																																			
	<table border="1"> <thead> <tr> <th>Species</th> <th>Disp. Code</th> <th>Total Sampled Weight</th> <th>*Est. Method</th> <th>Weight per Haul</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Species	Disp. Code	Total Sampled Weight	*Est. Method	Weight per Haul	1					2					3					4					5					6					7					8					9					10			
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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						_____ . _____		

<b>VOLUME-TO-VOLUME</b> CATCH PILE SHAPE AS SEEN FROM ABOVE:  <p>Other Shapes or Combinations: Draw &amp; label all dimensions in comments.</p>	<b>MAREL SCALE CALIBRATION WT</b> _____	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.
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**A1) REMAINDER VOLUME from previous haul(s)**

Starboard    Circle One:    Full Oval    Half-Oval    Rectangle

\_\_\_\_\_ ft X \_\_\_\_\_ ft X \_\_\_\_\_ ft (X 0.785) = \_\_\_\_\_ ft<sup>3</sup>

Width    Length    Avg. Depth    (ovals)    Volume

Depths: 


Port    Circle One:    Full Oval    Half-Oval    Rectangle

\_\_\_\_\_ ft X \_\_\_\_\_ ft X \_\_\_\_\_ ft (X 0.785) = \_\_\_\_\_ ft<sup>3</sup>

Width    Length    Avg. Depth    (ovals)    Volume

Depths: 


A1) TOTAL REMAINDER VOLUME (Starboard + Port) = \_\_\_\_\_ ft<sup>3</sup>

**A2) TOTAL VOLUME after current haul dumped**

Starboard    Circle One:    Full Oval    Half-Oval    Rectangle

\_\_\_\_\_ ft X \_\_\_\_\_ ft X \_\_\_\_\_ ft (X 0.785) = \_\_\_\_\_ ft<sup>3</sup>

Width    Length    Avg. Depth    (ovals)    Volume

Depths: 


Port    Circle One:    Full Oval    Half-Oval    Rectangle

\_\_\_\_\_ ft X \_\_\_\_\_ ft X \_\_\_\_\_ ft (X 0.785) = \_\_\_\_\_ ft<sup>3</sup>

Width    Length    Avg. Depth    (ovals)    Volume

Depths: 


A2) TOTAL CATCH PILE VOLUME (Starboard + Port) = \_\_\_\_\_ ft<sup>3</sup>

<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 >>
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<b>OTHER SUBSAMPLE TYPES</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	<b>Unit Type</b> A) Total    B) Sample
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**COMMENTS :**