

**LOBSTER, CRAB, & FISH POT HAUL LOG**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**OBPTH 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
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SET INFO	DATE AND TIME mm/dd/yy 24 hours	LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)				ESTIMATED SOAK DURATION	TARGET SPECIES CODE(S)
S E T	BEGIN / / : END / / :	Station 1 9960 -	Latitude / Bearing	Station 2 9960 -	Longitude / Bearing	_____ hrs	NUMBER OF POTS BAIT
HAUL INFO						WATER TEMP _____ ° F	SET _____ LBS KIND TYPE COND HAULED _____ #1 _____ LOST _____ #2 _____
H A U L	BEGIN / / : END / / :	9960 -		9960 -			

COMMENTS

SET METHOD

Unknown 00 \_\_\_\_\_ Visual 05 \_\_\_\_\_  
 Temperature 01 \_\_\_\_\_ Mixed 98 \_\_\_\_\_  
 Bottom Contours 02 \_\_\_\_\_ Other 99 \_\_\_\_\_  
 Compass/Loran 03 \_\_\_\_\_  
 Tide/Current 04 \_\_\_\_\_

SAMPLE WEIGHT MULTIPLIER \_\_\_\_\_

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

**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	03 = Basket or Tote Count
3 <input type="checkbox"/> Deckloaded	02 = Volume-to-Volume	13 = Count-to-Count
4 <input type="checkbox"/> Conveyor System	14 = Weight-to-Weight	07 = Cumulative Sum
5 <input type="checkbox"/> Pumping System	12 = Trap Subsample	10 = Catch Composition Log
9 <input type="checkbox"/> Other (Comment)	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> _____ 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>	<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		

**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				