

**BEACH SEINE / BEACH ANCHORED GILLNET HAUL LOG**  
**NMFS FISHERIES OBSERVER PROGRAM**  
**OBBSH 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 _____ YES 1 _____	MM WATCH? NO 0 _____ YES 1 _____	CATCH? NO 0 _____ YES 1 _____	INC TAKE? NO 0 _____ YES 1 _____	WEATHER CODE	WIND SPEED _____ kn DIRECTION _____ °	WAVE HEIGHT ft	GEAR COND CODE	
HAUL INFO BEGIN	DATE (mm/dd/yy) / /	TIME (24 hrs) :	LATITUDE/LONGITUDE (DD MM.M) - LORAN (XXXXX) Station 1    Latitude/Bearing    Station 2    Longitude/Bearing				EST SOAK DUR .	WATER TEMP .	TARGET SPECIES	CODE(S)	
END	/ /	:	9960-		9960-		hrs	F			

COMMENTS	NUMBER OF NETS	IF MM DETERRENTS USED
	SET _____	ACTIVE _____ PASSIVE _____
	HAULED _____	HAULED _____
	LOST _____	LOST _____

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							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 :

<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.	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				