

BEACH SEINE / BEACH ANCHORED GILLNET HAUL LOG
NMFS FISHERIES OBSERVER PROGRAM
OBBSH OBHAU OBSPP 05/01/16

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 _____	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	DATE (mm/dd/yy)	TIME (24 hrs)	LATITUDE/LONGITUDE (DD MM.M) - LORAN (XXXXX)				EST SOAK DUR	WATER TEMP	TARGET SPECIES		CODE(S)
BEGIN	/ /	: :	Station 1	Latitude/Bearing	Station 2	Longitude/Bearing	°				
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	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**

05/01/16

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DATE LANDED mm/yy	/
HAUL #	

SORTING METHOD 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)	ESTIMATION METHODS 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)	
	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

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

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 :

A) Total Haul Vol. _____ ft ³	B) Total Subsample Vol. _____ Basket(s) X 1.47 ft ³ = _____ ft ³ _____ Tote(s) X 2.65 ft ³ = _____ ft ³ _____ Other(s) X _____ ft ³ = _____ ft ³	C) Sample Weight Multiplier (A ÷ B) _____ >> Copy to Front >>
OTHER SUBSAMPLE TYPES 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 ³ Remainder Pile Vol. _____ ft ³ A) Total Haul Vol. _____ ft ³
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				