

**LONGLINE HAUL LOG
NMFS FISHERIES OBSERVER PROGRAM
OBL LH OBHAU OBSPP 05/01/13**

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/HAUL INFO		DATE AND TIME mm/dd/yy 24 hours		LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)												WATER TEMP		TARGET SPECIES		CODE(S)			
				Station 1		Latitude / Bearing				Station 2		Longitude / Bearing											
S BEGIN		/ /		:		9960 -						9960 -											
E		/ /		:		9960 -						9960 -											
T END **		/ /		:		9960 -						9960 -											
H BEGIN **		/ /		:		9960 -						9960 -											
A		/ /		:		9960 -						9960 -											
U END		/ /		:		9960 -						9960 -											
L		/ /		:		9960 -						9960 -											
ITEMS USED?		NO		YES		NUMBER		NUMBER OF HOOKS				BAIT				SET SPEED		SET METHOD					
TYPE								SET _____				#1 _____				_____ kn		Tide/Current _____					
Rattlers **		0		1		_____		HAULED _____				#2 _____				_____ kn		Visual _____					
Surface Lights **		0		1		_____		LOST _____				#3 _____				_____ kn		Eddy _____					
Additional Line Wts		0		1		_____		TENDED ** _____				COMMENTS				_____ fm		Mixed _____					
WEIGHT OF ADDITIONAL LINE WEIGHTS		_____ lbs		REBAITED ** _____												Other _____							
** only record for Demersal and Pelagic Longline.																							

SPECIES			SAMP. WEIGHT	POUNDS	DISP CODE	WEIGHT	
NAME	CODE	D/R				ESTIMATION METHOD CODE	

**CATCH ESTIMATION WORKSHEET
NMFS FISHERIES OBSERVER PROGRAM**

05/01/13

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DATE LANDED mm/yy	/ /
HAUL #	

SORTING METHOD	ESTIMATION METHODS
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 07 = Cumulative Sum
4 <input type="checkbox"/> Conveyor System	04 = Captain
5 <input type="checkbox"/> Pumping System	06 = Visually Estimated
8 <input type="checkbox"/> Combination (Comment)	10 = Catch Composition Log
9 <input type="checkbox"/> Other (Comment)	98 = Combination (Comment)
	99 = Other (Comment)

MAREL SCALE FIT VALUE

VOLUME-TO-VOLUME
CATCH PILE SHAPE AS SEEN FROM ABOVE:

Trapezoid

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

Rectangle

$$W \times L \times \text{Avg. Depth} = \text{Volume}$$

Triangle

$$\left(\frac{W}{2} \right) \times L \times \text{Avg. Depth} = \text{Volume}$$

Full Oval or Half-Oval

$$W \times L \times \text{Avg. Depth} \times 0.785 = \text{Volume}$$

Other Shapes or Combination: Draw and label all dimensions in comments.

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 WGTS.	TOTAL SAMPLE WGT.	# OF SAMPLE UNITS	AVG. WGT. PER UNIT	TOTAL # OF UNITS	TOTAL EST. WGT.
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

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.

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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A) Total Haul Vol.	B) Total Subsample Vol.	C) Sample Weight Multiplier (A ÷ B)
_____ ft ³	_____ 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	_____

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 SAMP. WGT.	*EST. METH.	WGT. PER HAUL
1				
2				
3				
4				
5				

COMMENTS :