

LONGLINE HAUL LOG
NMFS FISHERIES OBSERVER PROGRAM
OBL LH OBHAU OBSPP 01/01/10

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/HAUL INFO	DATE mm/dd/yy	AND 24 hours	TIME	LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)				WATER TEMP	TARGET SPECIES	CODE(S)
				Station 1	Latitude / Bearing	Station 2	Longitude / Bearing			
S E T B E G I N	/ /		:	9960 -		9960 -		o F		
T E N D	/ /		:	9960 -		9960 -		o F	MAINLINE LENGTH * SET METHOD	
H A U L B E G I N	/ /		:	9960 -		9960 -		o F	Unknown 00 _____ Temperature 01 _____ Bottom Contours 02 _____ Compass/Loran 03 _____	
U N D E R	/ /		:	9960 -		9960 -		o F	nm Tide/Current 04 _____ Visual 05 _____ Eddy 06 _____ Mixed 98 _____ Other 99 _____	

ITEMS USED?				NUMBER OF HOOKS		BAIT				SET SPEED	
TYPE	NO	YES	NUMBER	SET		LBS	KIND	TYPE	COND	_____ kn	
Rattlers*	0	1	_____	HAULED	_____						
Surface Lights*	0	1	_____	LOST	_____						
Additional Line Wts	0	1	_____	TENDED*	_____						
WEIGHT OF ADDITIONAL LINE WEIGHTS _____ lbs				REBAITED*	_____	COMMENTS					

SPECIES			WEIGHT				
NAME	CODE	CATCH DISP (K/D)	POUNDS	DISP CODE	D/R	ESTIMATION METHOD CODE	

*Longline only

CATCH ESTIMATION WORKSHEET NMFS FISHERIES OBSERVER PROGRAM

01/01/10

OBS/TRIP ID	
DATE LANDED mm/yy	/
HAUL #	

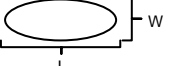
SORTING METHOD		ESTIMATION METHOD(S)	
Picked	1	Weighed (Actual)	01
Shoveled	2	Volume-to-Volume	02
Deckloaded	3	Basket or Tote Count	03
Conveyor System	4	Captain	04
Combination (comment)	8	Tally	05
Other (comment)	9	Visually Estimated	06
		Cumulative Sum	07
		Combination (comment)	98
		Other (comment)	99

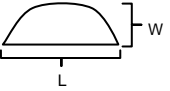
TALLY/BASKET/TOTE COUNTS			
Unit Types: B = basket, T = tote, I = individual (tally)			
Species:	Unit Type	Avg Weight/Unit	# of Units
		lbs	
		lbs	
		lbs	
		lbs	
		lbs	
		lbs	
		lbs	
		lbs	
		lbs	

VOLUME TO VOLUME METHOD

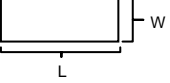
VOLUME MEASUREMENTS

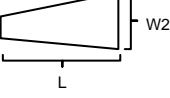
PILE ON DECK - as seen from above

Oval  _____ ft X _____ ft X _____ ft X 3.14 / 4 = _____ ft³
 Length Width Depth** π

Half-Oval  _____ ft X _____ ft X _____ ft X 3.14 / 4 = _____ ft³
 Length Width Depth** π

CHECKER PEN

Rectangle  _____ ft X _____ ft X _____ ft = _____ ft³
 Length Width Depth**

Trapezoid  _____ ft X $\left(\frac{\text{Width1} + \text{Width2}}{2} \right)$ X _____ ft = _____ ft³
 Length Width1 Width2 Depth**

OTHER SHAPE or COMBINATION - draw and show all dimensions below Volume = _____ ft³

**10 random depths from throughout pile: (Pile on deck: include one depth of 0.0ft)

_____ ft	_____ ft	_____ ft	_____ ft	_____ ft	_____ ft	_____ ft	_____ ft	_____ ft	_____ ft
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A) # of Subsampling Containers Used	B) Volume of One Container	C) Total Subsample Volume (A x B)	D) Sample Weight Multiplier (Tot. Vol / C)	E) Percent Subsampled (C / Tot. Vol) x 100
_____	Basket ____ 1.47 ft ³ Tote ____ 2.65 ft ³ Other: ____ ft ³	_____ ft ³	_____	_____ %

COMMENTS

SPECIES	SUBSAMP WGT (lbs)