

CLAM/QUAHOG DREDGE HAUL LOG
NMFS FISHERIES OBSERVER PROGRAM
OBCDH OBHAU OBSPP 01/01/10

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 ____	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		
HAUL/FISHING INFO	DATE mm/dd/yy	AND TIME 24 hours	LATITUDE / LONGITUDE (DD MM.M) - LORAN (XXXXX)				WATER TEMP _____ ° F	TOW SPEED _____ kn	WIRE OUT _____ fm					
BEGIN HAUL	/ /	:	Station 1 9960 -	Latitude / Bearing	Station 2 9960 -	Longitude / Bearing								
BEGIN FISHING	/ /	:							CLAM/QUAHOG CLAPPERS OBS? # OF BUSHELS KEPT _____ DISCARDED _____					
END HAUL	/ /	:	9960 -		9960 -									
GEAR ONBOARD	/ /	:							NO 0 ____ YES 1 ____					

COMMENTS

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

**CATCH ESTIMATION WORKSHEET
NMFS FISHERIES OBSERVER PROGRAM**

01/01/10

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

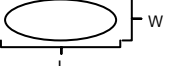
SORTING METHOD
Picked 1
Shoveled 2
Deckloaded 3
Conveyor System 4
Combination (comment) 8
Other (comment) 9
HAUL NUMBERS WHERE DECKLOADING OCCURRED
_____ - _____

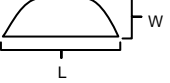
ESTIMATION METHOD(S)
Weighed (Actual) 01
Volume-to-Volume 02
Basket or Tote Count 03
Captain 04
Tally 05
Visually Estimated 06
Cumulative Sum 07
Combination (comment) 98
Other (comment) 99

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	_____

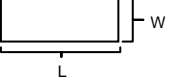
VOLUME TO VOLUME METHOD
VOLUME MEASUREMENTS

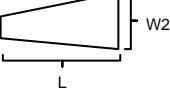
PILE ON DECK - as seen from above

Oval

 _____ ft X _____ ft X _____ ft X $\frac{3.14}{4}$ = _____ ft³
 Length Width Depth** π

Half-Oval

 _____ ft X _____ ft X _____ ft X $\frac{3.14}{4}$ = _____ ft³
 Length Width Depth** π

CHECKER PEN

Rectangle

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

Trapezoid

 _____ ft X $\frac{\text{_____ ft} + \text{_____ ft}}{2}$ 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	_____ ft ³	_____	_____ %
_____	Tote _____ 2.65 ft ³			
_____	Other: _____ ft ³			

COMMENTS

SPECIES	SUBSAMP WGT (lbs)