

LONGLINE HAUL LOG
NMFS FISHERIES AT-SEA MONITORING PROGRAM
ASMLLH ASMHAU ASMSPP

ASM/TRIPID	
DATE LANDED mm/yy	/ /
PAGE #	of

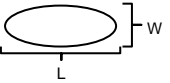
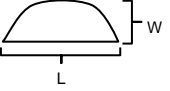
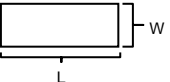
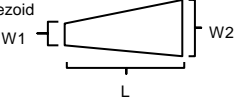
HAUL BEGIN					HAUL END						
GEAR CODE		HAUL #		GEAR NUMBER		HAUL DATE (mm/dd/yy)			HAUL DATE (mm/dd/yy)		
[][]		[][]		[][]		/ /			/ /		
HAUL OBSERVED?			INC TAKE?			BEGIN HAUL TIME			END HAUL TIME		
YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>			:			:		
WEATHER CONDITION				WAVE HEIGHT (ft)		LATITUDE/LONGITUDE (DD MM.M)					
GEAR CONDITION CODE						BEGIN LATITUDE			END LATITUDE		
TARGET SPECIES 1 (This Haul)						BEGIN LONGITUDE			END LONGITUDE		
TARGET SPECIES 2 (This Haul)						(STAT AREA)*			(STAT AREA)*		
COMMENTS						* Enter only if latitude/longitude coordinates are not available			MORE LONGLINE		
									MAINLINE LENGTH (nm)		
									SOAK DURATION (hrs)		
SPECIES NAME		POUNDS	D/R	DISP CODE	EST. METH.	SPECIES NAME		POUNDS	D/R	DISP CODE	EST. METH.

CATCH ESTIMATION WORKSHEET
NMFS FISHERIES AT-SEA MONITORING PROGRAM
05/01/10

ASM/TRIPID	
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
HAUL NUMBERS WHERE DECKLOADING OCCURRED		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	

VOLUME TO VOLUME METHOD					
VOLUME MEASUREMENTS					
PILE ON DECK - as seen from above					
Oval		_____ ft	X	_____ ft	X
		Length		Width	Depth**
					$\pi \times \text{Depth**} / 4$
					= _____ ft ³
Half-Oval		_____ ft	X	_____ ft	X
		Length		Width	Depth**
					$\pi \times \text{Depth**} / 4$
					= _____ ft ³
CHECKER PEN					
Rectangle		_____ ft	X	_____ ft	X
		Length		Width	Depth**
					= _____ ft ³
Trapezoid		_____ ft	X	$\frac{(\text{Width1} + \text{Width2})}{2}$	X
		Length			Depth**
					= _____ ft ³
OTHER SHAPE or COMBINATION - draw and show all dimensions below Volume = _____ ft ³					
**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	_____ ft	_____ ft
A) # of Subsampling Containers Used	B) Volume of One Container Basket _____ 1.47 ft ³ Tote _____ 2.65 ft ³ Other: _____ ft ³	C) Total Subsample Volume (A x B) _____ ft ³	D) Sample Weight Multiplier (Tot. Vol / C) _____	E) Percent Subsampled (C / Tot. Vol) x 100 _____ %	

SPECIES	SUBSAMP WGT (lbs)

FOR OFFICE USE ONLY