OMB Control No.: xxxx-xxxx
Expires on: mm/dd/yyyy

01/01/08

NMFS FISHERIES OBSERVER PROGRAM

CATCH ESTIMATION WORKSHEET

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

FISHING METHOD		CATCH ESTIMATION METHOD	
Picked	1 ___	Weighed (Actual)	1 ___
Shoveled	2 ___	Volume to Volume	2 ___
Deckloaded	3 ___	Basket or Tote Count	3 ___
Conveyor System	4 ___	Captain	4 ___
Combination (comment)	8 ___	Tally	5 ___
Other (comment)	9 ___	Visually Estimated	6 ___
_____		Cumulative Sum Method	7 ___
HAUL NUMBERS WHERE DECKLOADING OCCURRED		Combination (comment)	8 ___
		Other (comment)	9 ___
_____		_____	

** CATCH SHAPE, MEASUREMENTS & VOLUME

Comment and draw catch shape.

Rect./square (L x W x D)	1 ___	L _____	W_1 _____		D _____	=	V _____	ft^3
Trapezoidal ([(W_1 + W_2)]/2xLxD)	2 ___	L _____	W_1 _____	W_2 _____	D _____	=	V _____	ft^3
Triangular (L x W / 2 x D)	3 ___	L _____	W _____		D _____	=	V _____	ft^3
Circular (π r^2 x D)	4 ___	r _____			D _____	=	V _____	ft^3
Oval (r_1 x r_2 x π x D)	5 ___	r_1 _____	r_2 _____		D _____	=	V _____	ft^3
Other/Combination (comment)	9 ___	_____						

Are measurements the same as previous haul? NO 0 ___ YES 1 ___

** # SUBSAMPLING CONTAINERS USED	** VOL SUBSAMPLE CONTAINER	** TOTAL SUBSAMPLE VOLUME = # subsample containers used x volume of a subsample container	** SAMPLE WEIGHT MULTIPLIER total catch vol / total subsamp vol	** PERCENT SUBSAMPLED (total subsamp vol / total catch) vol) x 100	**Volume of Subsample**	**Circular Shapes**
_____	Orange Basket 1___ 1.47 ft^3	_____ ft^3	_____	_____ %	1 Basket = 1.47 ft^3	r = radius
	Fish Tote 2___ 2.65 ft^3				2 Baskets = 2.94 ft^3	r = diameter / 2
	Other 9___ ft^3				3 Baskets = 4.41 ft^3	r_1 = short radius
	_____				4 Baskets = 5.88 ft^3	r_2 = long radius
					5 Baskets = 7.35 ft^3	π = 3.14

** SPECIES	** SUBSAMP WGT (lbs)	** SPECIES	** SUBSAMP WGT (lbs)

COMMENTS

Angular Shapes	**Trapezoidal Shapes**
A = area	W_1 = short width
V = volume	W_2 = long width
W = width	
D = catch depth	

** Required only when using the volume to volume method.