

Updated Cost Estimates for Agenda Item I.5.a Supplemental NMFS Report 4

Major Cost Elements Related to Electronic Monitoring in Shorebased and At Sea (Mothership) Catcher Vessels						
Per Trip Analysis (observer cost per day is \$425, observer data on trip length/deploy time, No deadtime review mothership catcher vessels)						
cost-per -trip -addition -correction and \$450 per day						
Percent Level of Video Review is			100%			
		Shorebased		At-Sea	Shorebased %	At-Sea %
Average Video Review Cost per Trip		\$86.31		\$296.94	20.0%	8.9%
Average Storage Cost per Trip		\$125.34		\$1,720.18	29.0%	51.7%
Average Field Service Cost/trip		\$135.20		\$632.07	31.3%	19.0%
Average Admin Cost/trip		\$82.22		\$661.28	19.0%	19.9%
Hard Drive Submission Cost per trip		<u>\$3.00</u>		<u>\$15.00</u>	0.7%	0.5%
Total Costs per Trip		\$432.07		\$3,325.47	100.0%	100%
Average Days per Trip		1.4		12.8		
Observer Cost Per Day		\$450		\$450		
Total Observer Cost Per Trip		\$615.66		\$5,742.15		
Industry Cost Savings		\$183.59		\$2,416.68		
If Industry pays 3rd party reviewer, NMFS will need to have video reviewers and other services to do the audit.						
If NMFS needs to have the capability of reviewing and storing 50% of the video, the audit costs can be approximated at 50% of the Video Review Cost and Average Storage Cost.						
Audit Cost		\$105.83		\$1,008.56		
Total Costs per trip with Audit		\$537.90		\$4,334.03		
Industry Cost Savings with Audit		\$77.77		\$1,408.12		
Number of Trips		962		32		
Total Observer Costs		\$592,266.62		\$183,748.89	Total	
Projected Total EM Costs		\$415,652		\$106,415	\$522,067	
Projected Total EM Costs w Audit		\$517,455		\$138,689	\$656,144	
Projected EM Fleets Estimates--Based on 2011-14 fleet averages and EM EFP						
	Vessels	Average Trips Per Vessel	Average Trip length (Days)	# of Trips	Total Days	
Shorebased	19.0	50.6	1.4	961.4	1315.3	
At-Sea	12.0	2.6	12.8	31.7	404.3	