

**Agenda Item I.5.a
Supplemental NMFS PowerPoint
(Electronic Only)
November 2015**

Whiting Electronic Monitoring Program

Pacific Fishery Management Council Meeting

NMFS Report for Agenda Item I.5

November 17, 2015

Outline

- EFP update
- Cost estimates
- Draft regulations

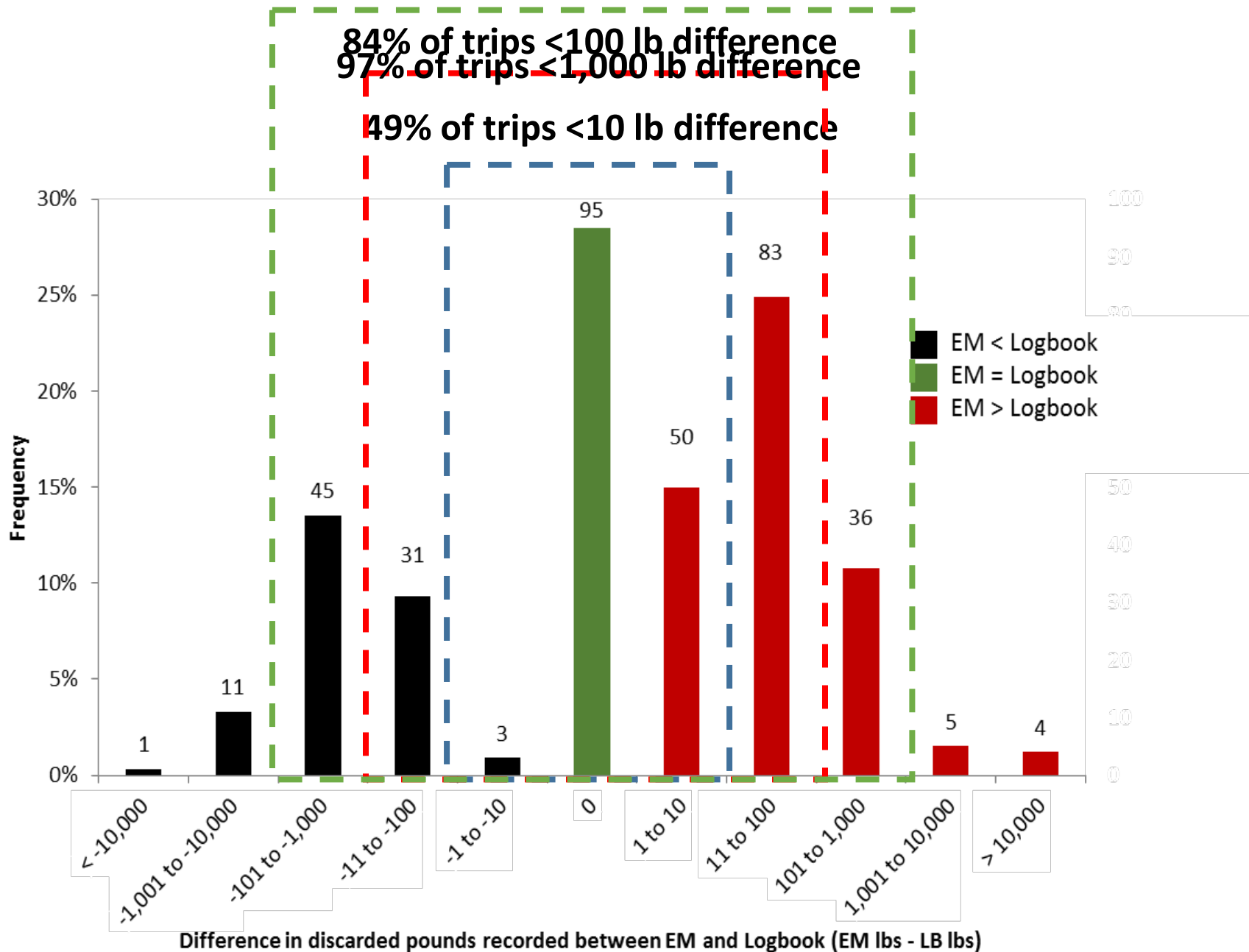
Summary

Fishery	Vessel Count	Trip Count	EM Discard (lbs)	Logbook Discard (lbs)	EM Discard – Logbook Discard (lbs)	Total Whiting Catch (lbs)*	Total Whiting Allocation (lbs)
Shoreside Hake	16	364	166,796	120,430	46,366	127,092,151	274,712,403
MS/CV	8	14	330,930	259,730	71,200	60,816,168	156,969,131
Total	18	378	497,726	380,160	117,566	187,908,319	431,681,534

PSMFC, 2015

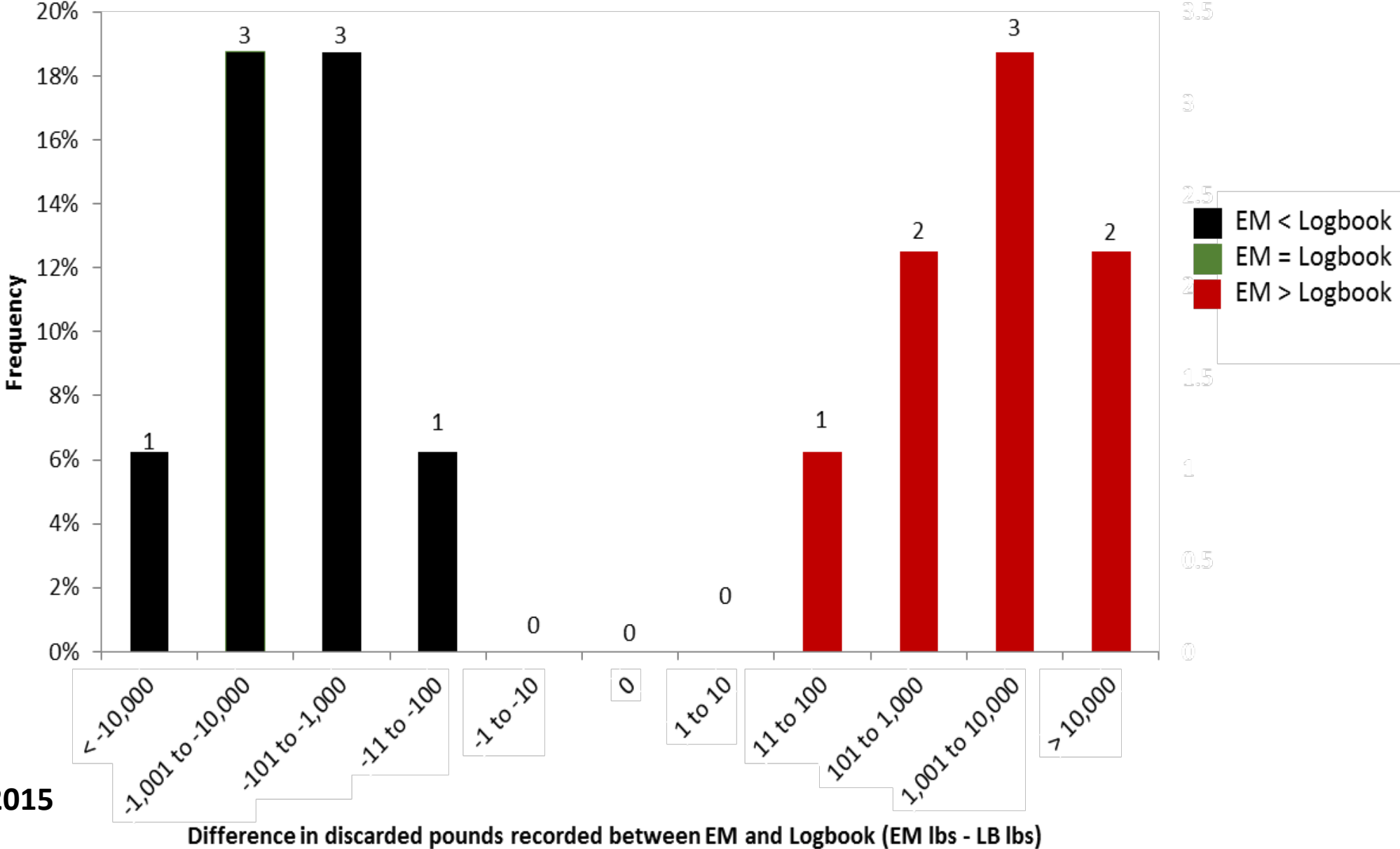
*PACFIN Whiting Report Nov. 16, 2015

Shoreside Hake - Trip level discard discrepancies



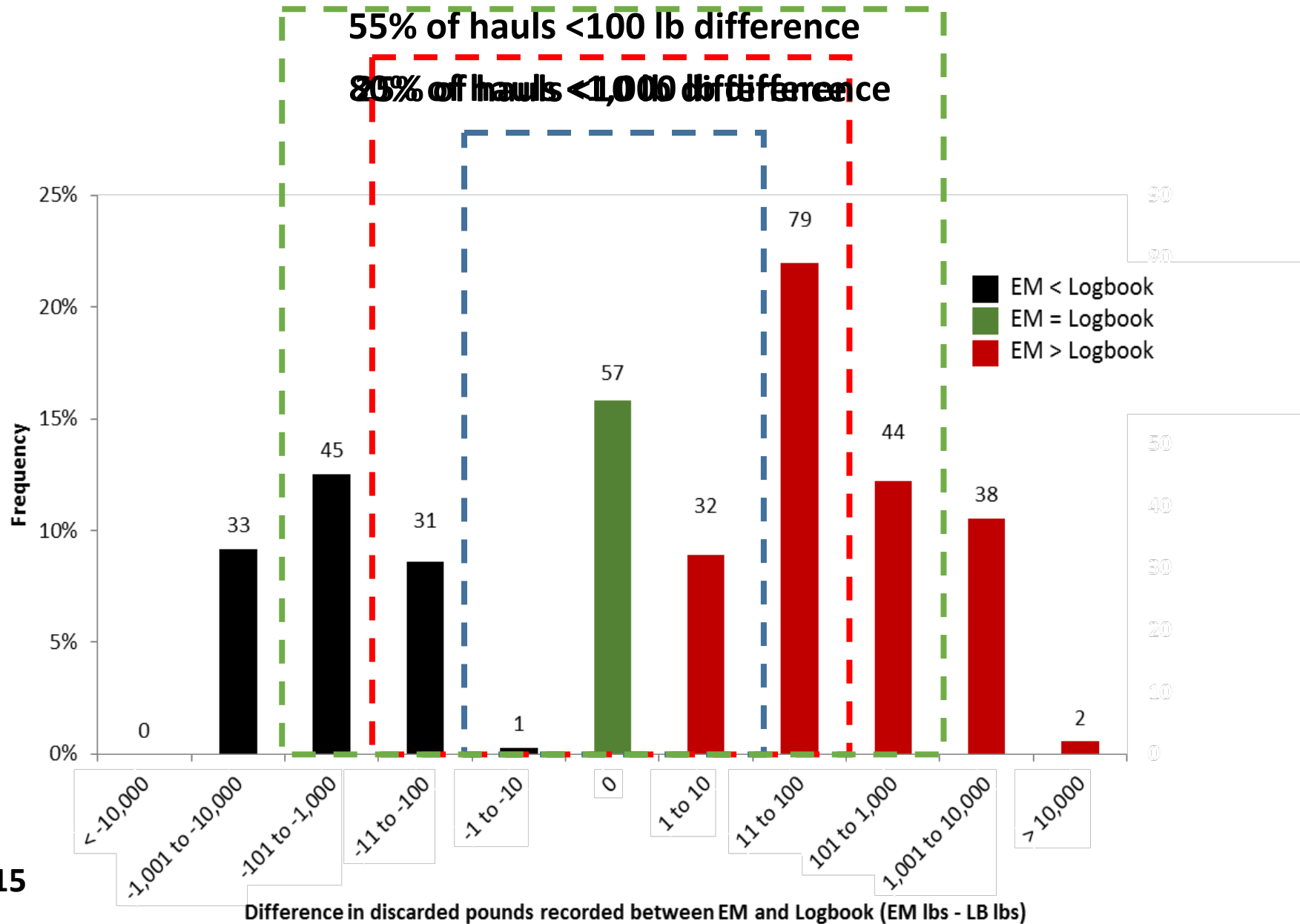
PSMFC, 2015

Shoreside Hake - Vessel level discard discrepancies



PSMFC, 2015

Mothership Catcher Vessel - Haul level discard discrepancies



PSMFC, 2015

Next Steps

- Analysis of fixed gear and bottom trawl trips
- Finalize business rules for when to use logbook vs. EM data
- Issue Year 2 EFPs, add vessels

EM Cost Estimates

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	9

Draft Regulations Highlights

- Video review
 - Regulations added for third party review
- Tiered approach
 - Performance standards
 - Guidance documents
 - Certification/approval process
- Vessel application process
 - Two steps
 - Mandatory training
 - EM system certification

Draft Regulations Highlights

- Management response to compliance issues
 - Eligibility criteria
- Declaration
 - Limits may not be necessary for whiting
- Observer coverage
 - Notification requirement that can be activated with prior notice
- Logbooks
 - Creating a Federal discard logbook
- Records retention
 - NMFS vs. third party

Questions?

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