

Table 1. General Introductory Display of Electronic Monitoring Alternatives in the Pacific Council Regulatory Process

	ALTERNATIVES		
	1	2	3
Monitoring Characteristic	Status Quo: Human Observers Estimate Discard	Camera Recordings Used to Estimate Discard	Logbooks Use to Estimate Discard, with Camera Audits
Compliance^{1/} Monitoring (Counting of Total Catch)			
Discarded Catch	Human observers at sea required for 100% of trips; all discards counted by species.	Cameras replace human observers at sea and camera recordings are transferred onshore and read to count total discards by species. Options exist to require retention of species that may be difficult for cameras to speciate.	Boat Skippers are required to record in logbooks total catch at sea for each trip, including retained catch and discards by species. Cameras are required just as in Alternative 2 but video is read sporadically to audit accuracy of skipper logbook information.
Retained Catch	Human catch monitors are required for 100% of landings to count retained catch.	Same as Status Quo	Same as Status Quo
Total Catch	The count at sea and the count onshore are reconciled with fish tickets by NMFS to produce a total count by species.	Discard estimates are combined with retained catch estimates and fish tickets by an entity to produce a total count by species.	Discard estimates are combined with retained catch estimates and fish tickets by an entity to produce a total count by species.
Science^{2/} Monitoring (Biological Data Collection on Total Catch) NOTE: THIS IS NOT PART OF EM REGULATORY ALTERNATIVES			
Discarded Catch	Collected by at sea observers based on random samples from 100% of the trips.	Collected by at sea observers based on random samples from the 20%-30% (or an appropriate level) of trips assigned observers	Collected by at sea observers based on random samples from the 20%-30% (or an appropriate level) of trips assigned observers
Retained Catch	Collected by the onshore observers based on random samples of 100% of the trips.	Collected by the onshore observers based on random samples of 100% of the trips.	Collected by the onshore observers based on random samples of 100% of the trips.

1/ Compliance in this context refers to a total count of all species so that compliance with the IFQ program and annual quota pound allocations can be determined and

2/ Science in this context means the collection of biological data such as age/length/weight data from fish landed, size and condition data for fish released, estimates for protected species, etc. .