Pacific Islands Reg	ls Regional Office And Science Center Bycatch Implementation Plan Action Items (FY07 and FY08) and Accomplishments for FY07					
				How Progress Will		Milestone
	Status/Specific Accomplishments	1		Be Measured and/or		Completion
	as of 9/30/07	2008	2009	Monitored	Milestone	Date
Monitoring		 !	 	 	! ! !	! !
Protected Species Observer Reporting System	phones used by observers continue to prove their value when	pursuant to regulations setting sea turtle interaction limits.	Use of satellite telephones by PIRO observers will continue pursuant to regulations setting sea turtle interaction limits.	two-way communications between ship and	Observed interaction limits for leatherback and loggerhead sea turtles remain consistent with limits set forth in 50 CFR 665.33	Jan-08
PIRO/State of Hawaii Bottomfish Tagging Project	termination of bottomfish observer program in FY07.	N/A	N/A		First tag return.	N/A
Bycatch Reduction	Engineering and other Research			 	 	
false killer whale take in Hawaii	complete the project. Survey design	Project is expected to be complete in FY08 including project findings.	N/A	Project completion	Report on findings	Sep-08

Dehooking Gear on Fish Bycatch Species		based on observer comments.	Continue evaluations.	Cruise summaries for various platforms	Test equipment on commercial fishing vessels.	On going
new dehooker design for sharks. Joint project between PIFSC and PIRO	Experiments were conducted at Virginia Institute of Marine Science in July and August of 2007. Limited data were collected that showed showed no significant diffence between standard dehookers and the new design.	N/A	N/A	monitored	Completion of experment in the field. 2) Report on experiment is complete.	1) Aug-07 2) Nov- 08
intended improve fisherman safety and further reduce seabird interactions	Contact awarded to contractor. Project completion including report expected in June 2008.	N/A		PIRO personnel will maintain communciations to ensure at-sea portion of experiment is completed. 2) Report summarizing project will be due after at-sea research is completed.	completed. 2) Report detailing results is completed	1) Mar-08 2) July-08
		Further refinements to the product			Distribution of	Dec-07
spatial temporal areas of high sea turtle bycatch	would greatly reduce sea turtle bycatch in the shallow-set longline fishery.	will be added. Product will be translated into Vietnamese and distributed to Hawaii-based longline fishermen. Paper detailing FY07 resutls will be completed.	- ,	of high bycatch will be produced. Paper detailing project results.	completed maps to fishermen	

estimation models for the take of nontarget billfish in the tuna and	(2005, 2006) on techniques for creating estimates from fishermens'	Continue to develop bycatch	estimation models using fishermen logbook information.		Publication of third paper.	Apr-08
fishery takes of sea turtles, seabirds, and marine mammals for the Hawaii-based longline fishery based on observer	report of 2006 quarterly estimates for turtles, birds, and mammals in the tuna longline fishery (the swordfish longline fishery is 100% observed and requires no	estimates for the tuna longline fleet. Special summaries and estimates as requested. Explore observer data to look for effects of operational characteristics on	Special summaries and estimates as requested. Explore observer data to look for effects of operational characteristics on bycatch rates	PIFSC reports to PIRO, Estimation for more fisheries or more strata (inside outside	Estimate protected species bycatch by Hawaii-based fisheries: 1) in 2007 2) in 2008	1) Jun-08 2) Jun-09
of turtle bycatch reduction methods with other nations as a means of exporting conservation engineering.	longline fisheries of Japan, Korea, Phillipines, Costa Rica, Ecuador, Guatemala, Brazil, Mexico, Peru,	report on results of work with	initiate new projects based on results of prior studies	countries participating, and the number reporting positive results for turtle bycatch reduction or continued fishery viability.	meetings of RFO's and provide scientific documentation of the	May and August of every year.

Estimation of fishery bycatch of sharks and other fishes using longline logbook and observer data	bycatch for all fish species in the Hawaii-based longline fisheries	Produce updated annual estimate. Review and incorporatrion of estimates into the expanded and updated National Bycatch Report.	estimate.	Timely submission of PIFSC reports to PIRO and/or S&T, Estimation for more fisheries, or more strata (by areas, condition, etc).	Complete input to National Bycatch Report. 2) Estimate shark and other fish bycatch by Hawaii-Based Fisheries annually	1) Dec-07 2) Jun-08 Jun- 9
Development and testing additional bycatch reduction technology in Hawaii fisheries	hooks and separate testing of deeper (all hooks deeper than 100m) hooks in tuna longline fishing. Reported results to Regional Fisheries Organizations (RFO's). Published NOAA	of using modified longline fishing gear or modifying fishing	publication papers on the efficacy of using modified longline fishing gear or modifying fishing operations as means of reducing bycatch (e.g. paper(s)	Number of publications and reports to PIRO, the Council, and RFMO's. Adoption of methods into conservation measures.	Publish Research on the Causes and Mitigation of Sea Turtle Interactions with Longline Fisheries, and summarize scientific information in working papers and meeting reports for fishery managers	1) Jul-08 2) Jul- 09
Shark bycatch reduction experiments using circle hooks, semiochemicals, and metals with various electronegatvities as deterrents.			Initiate fishing trials. Continue fishing trials and write up results. Publish papers	Experiments will be conducted, reported on, and published.	Completion of 2008 experiments and report results.	Sep-08

bycatch reduction	means to reduce the incidental capture of sea turtles in coastal gill net fisheries. Work is being conducted in Baja California, Mexico. Initial results suggest that lightsticks on nets reduce the number of turtles caught by close to 29% and a shark shaped	and results reported. behavioral and physiological experiments indicate that turtles can see UV light while certain pelagic fish such as some billfish and mahi mahi cannot. Transparent UV-absorbing plastics may be used to	2009 and results will be reported.	•	Completion of 2008 experiments and report results.	Sep-08
assessment of species that comprise a	completed and compared with production model assessment, and	collaborators approval to present working paper on the blue shark assessment.	significant bycatch.	Number of publications and reports to PIRO, the Council, and RFO's. Adoption of methods into conservation measures.	Report on the Assesment of North Pacific Blue Shark Stock.	Sep-08
	of the fieldwork, the outline of the report has been developed, and key pieces drafted.	Complete the report, with one focus is on particular techniques, such as side-setting to reduce seabird interactions, and another focus is on individual vessel owners with unique perspectives and experiences.		, ,	Complete Final Report on Case Studies of Successful Bycatch Reduction Strategies in the Hawaii-Based Longline Fleet	Mar-08
Analysis of observer data to characterize marine mammal interactions with pelagic longline vessels.	completed in FY07.	Resutls of analysis presented at various international fora.	N/A	Completion of analysis.	Presentation of results	Nov-08

transfer of bycatch	were transferred to New Caledonia and the Marshall Islands in FY07.	materials will continue in concert with sea turtle enhancement	materials will continue in concert	Ŧ	Continuation of program in FY08 contingent on continued funding.	On going
International Seabird Bycatch Mitigation Requirements in Western Pacific	Western and Central Pacific Fisheries Commission (WCPFC) to Implement seabird mitigation measures for pelagic longline vessels within the treaty zone.		context of WCPFC to develop proprosal for international seabird mitigation requirements.	Evaluations of Proposals from member nations and submission of suggested proposals.	Implemetaion of technical specifications for seabird mitigation measures.	Dec-07
Education/Outreacl						
Workshops for Longline Fishermen	training 246 persons. Workshops conducted in American Samoa training 92 persons. One person	December 4-6, 2008 and August	Workshops are federally mandated. Therefore, workshops will continue. If longline fishery expands to Guam and CNMI, workshops will be held for longliners in those areas as well.	Records of numbers of person trained	Completion of workshops	On going
Protected Species Workshops	completed. Beta testing English version on-going. Translations of	Complete Interactive Protected Species Workshop Use Policy statement. Program will be fully on-line in FY08.	-	Summary report on progress and results of project	Implementation of finished product on PIRO server.	Jan-08
Minimize Seabird bycatch in Hawaii's Pelagic Longline Fisheries	Program completed. In FY07 35 vessels were side setting. Overall, seabird bycatch numbers numbers have been reduced by ~95%, interaction rates have been reduced by ~83% in Hawaii pelagic longline fisheries.	N/A	N/A	Report summarizing project complete.	Project Report complete.	Feb-07
for Fishermen and Observers	Trainings conducted at Protected Species Workshops and observer training sessions. Trained international observers in Pohnpei and Spain.	Continue dehooking trainings.	Continue dehooking trainings	Records kept of numbers trained		On going

Pelagic Longline	Filming and production started	Complete polished version of	Continue to use video in	Protected Species	Completion of Video	Mar-08
Seabird Regulation,		seabird video with separate	workshops and in interactive web	Workshop Coordinator		
Take Mitigation,		modules. Discrete modules will	based workshop.	progress report.		
and Handling Video		increase versatility of the video.				
		Begin using video in Protected	i !			į
		Species Workshops and other				
		outreach venues.	 			
Loggerhead	An outreach specialist was hired to	Program will be continued in	Program will be continued	Records will be kept of	First class is taught	Jan-08
Education in New	teach New Caledonians about the	FY08.	contingent upon needs and	the number of persons	in FY08	
Caledonia	small nesting population in their		funding.	trained.		
	country.	i ! !	i ! L			