

## Hawaiian Shallow Set Longline Protected Species Impacts

Year	2004	2005	2006	2007- 2008 combined report	2009	2010	2011	2012	2013 Jan-Mar	2013 Apr-Jun
<b>Departures</b>	11	106	57	95	104	104	82	72	23	11
<b>% of Departures w/ Observer coverage</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>Seabirds per 1,000 hooks</b>	0.013	0.052	0.015	0.029	0.063	0.044	0.042	0.069	0.042	0.180
<b>Seabird “interactions”</b>	1	69	11	39	111	80	68	98	21	53
<b>Seabird deaths</b>	none	22	6	15	24	18	15	21	1	26
<b>Sea Turtles per 1,000 hooks</b>	0.026	0.014	0.028	0.004	0.007	0.007	0.022	0.008	0.010	0.017
<b>Sea Turtle interactions</b>	2	18	21	5	13	12	35	12	5	5
<b>Sea Turtle deaths</b>	none	none	none	none	none	none	none	none	none	none
<b>Marine Mammals per 1,000 hooks</b>	0	0.002	0.005	0.007	0.003	0.007	0.008	0.003	0.012	0.007
<b>Marine mammal interactions</b>	0	3	4	9	5	12	13	4	6	2
<b>Marine mammal deaths</b>	0	none	1	1	none	2	none	none	1	1

## Hawaiian Deep Set Longline Protected Species Impacts

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 Jan-Mar	2013 Apr-Jun
Departures	1,200	1,344	1,377	1,300	1,382	1,314	1,221	1,216	1,260	1,309	355	328
% of Departures w/ Observer coverage	22.2%	24.6%	26.1%	21.2%	20.1%	21.7%	20.6%	21.1%	20.3%	20.4%	19.7%	19.2%
Seabirds per 1,000 hooks	0.011	0.001	0.002	0.003	0.003	0.007	0.006	0.007	0.006	0.008	0.015	0.032
Seabird "interactions"	68	8	19	23	21	64	45	57	48	72	33	64
Seabird deaths	67	all	all	all	all	60	all	56	46	67	31	61
Sea Turtles per 1,000 hooks	0.001	0.002	0.001	0.002	0.001	0	0.001	0.001	0.001	0.001	0.002	0.002
Sea Turtle "interactions"	4	17	5	15	10	4	5	7	11	7	4	5
Sea Turtle deaths	all	14	4	14	8	3	4	1	7	all	3	3
Marine Mammals per 1,000 hooks	0.001	0.001	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.001	0.003	0.001
Marine mammal "interactions"	5	8	6	14	8	12	14	9	7	5	7	3
Marine Mammal deaths	1	1	1	1	1	1	1	none	1	none	6	1