

APPENDIX M

Projected Outcomes Under the Alternatives.

Table 1: Projected Outcomes under Alternative 1

	Alternative 1			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	74	45	119	0	0	0	0.0	0.0	0.0
Persons on break-even vessels	407	203	610	0	0	0	0.0	0.0	0.0
Effort (sets)	7,128	4,751	11,879	0	0	0	0.0	0.0	0.0
Effort (trips)	714	433	1,148	0	0	0	0.0	0.0	0.0
Trips per break-even vessel	9.7	9.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0
Tuna revenue (\$Millions)	19.5	5.2	24.7	0.0	0.0	0.0	0.0	0.0	0.0
Swordfish revenue (\$Millions)	0.5	11.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0
Shark revenue (\$Millions)	0.4	1.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
Other PMUS revenue (\$Millions)	1.7	1.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Total revenue (\$Millions)	22.1	18.6	40.7	0.0	0.0	0.0	0.0	0.0	0.0
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	0	0	0	0	0	0	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	298,000	414,000	342,000	0	0	0	0.0	0.0	0.0
Direct payments to labor (\$Millions)	10.7	9.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0
Direct purchases from local input suppliers (\$Millions)	7.7	6.5	14.3	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	26.2	22.1	48.3	0.0	0.0	0.0	0.0	0.0	0.0
Total turtle mortality (number)	47	103	150	0	0	0	0.0	0.0	0.0
Total albatross mortality (number)	159	2,077	2,235	0	0	0	0.0	0.0	0.0

Table 1 (continued): Projected Outcomes under Alternative 1

	Alternative 1			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	211.8	5,972.4	6,184.2	0.0	0.0	0.0	0.0	0.0	0.0
Bigeye (thousands of pounds)	4,077.5	1,078.7	5,156.2	0.0	0.0	0.0	0.0	0.0	0.0
Albacore (thousands of pounds)	2,139.1	353.3	2,492.4	0.0	0.0	0.0	0.0	0.0	0.0
Yellowfin (thousands of pounds)	1,005.6	707.0	1,712.6	0.0	0.0	0.0	0.0	0.0	0.0
Blue Shark (thousands of pounds)	565.8	4,903.0	5,468.8	0.0	0.0	0.0	0.0	0.0	0.0
Mako shark (thousands of pounds)	87.7	76.2	163.8	0.0	0.0	0.0	0.0	0.0	0.0
Thresher shark (thousands of pounds)	272.4	31.1	303.6	0.0	0.0	0.0	0.0	0.0	0.0
Blue Marlin (thousands of pounds)	550.2	456.0	1,006.2	0.0	0.0	0.0	0.0	0.0	0.0
Striped Marlin (thousands of pounds)	676.8	252.0	928.9	0.0	0.0	0.0	0.0	0.0	0.0
Total PMUS (thousands of pounds)	9,586.9	13,829.7	23,416.7	0.0	0.0	0.0	0.0	0.0	0.0
Loggerhead Take (number)	23	394	418	0	0	0	0.0	0.0	0.0
Leatherback Take (number)	39	73	112	0	0	0	0.0	0.0	0.0
Ridley Take (number)	109	37	146	0	0	0	0.0	0.0	0.0
Green Take (number)	19	21	40	0	0	0	0.0	0.0	0.0
Take of All Turtle Species (number)	190	526	716	0	0	0	0.0	0.0	0.0
Loggerhead Kill (number)	5	82	87	0	0	0	0.0	0.0	0.0
Leatherback Kill (number)	3	6	9	0	0	0	0.0	0.0	0.0
Ridley Kill (number)	36	12	49	0	0	0	0.0	0.0	0.0
Green Kill (number)	2	3	5	0	0	0	0.0	0.0	0.0
Kill of All Turtle Species (number)	47	103	150	0	0	0	0.0	0.0	0.0
Black footed Albatross Take (number)	128	1,299	1,427	0	0	0	0.0	0.0	0.0
Laysan Albatross Take (number)	54	1,111	1,165	0	0	0	0.0	0.0	0.0
Total Take of Albatross (number)	182	2,410	2,592	0	0	0	0.0	0.0	0.0
Black footed Albatross Kill (number)	115	1,168	1,283	0	0	0	0.0	0.0	0.0
Laysan Albatross Kill (number)	44	908	952	0	0	0	0.0	0.0	0.0
Total Kill of Albatross (number)	159	2,077	2,235	0	0	0	0.0	0.0	0.0

Table 2: Projected Outcomes under Alternative 2

	Alternative 2			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	73	45	118	-1	0	-1	-1.4	0.0	-0.8
Persons on break-even vessels	402	203	605	-5	0	-5	-1.2	0.0	-0.8
Effort (sets)	7,128	4,751	11,879	0	0	0	0.0	0.0	0.0
Effort (trips)	714	433	1,148	0	0	0	0.0	0.0	0.0
Trips per break-even vessel	9.8	9.6	9.7	0.1	0.0	0.1	1.4	0.0	0.8
Tuna revenue (\$Millions)	19.7	7.4	27.0	0.2	2.2	2.4	0.8	43.0	9.6
Swordfish revenue (\$Millions)	0.4	10.6	11.0	-0.1	-0.7	-0.8	-18.0	-6.5	-7.0
Shark revenue (\$Millions)	0.3	0.1	0.3	-0.1	-1.1	-1.3	-36.7	-94.8	-80.3
Other PMUS revenue (\$Millions)	1.7	0.8	2.5	0.0	-0.1	-0.1	2.8	-15.2	-3.8
Total revenue (\$Millions)	22.0	18.8	40.9	-0.0	0.2	0.2	-0.1	1.1	0.4
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	52,346	63,034	115,379	52,346	63,034	115,379	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	301,000	417,000	345,000	3,000.0	3,000.0	3,000.0	1.0	0.7	0.9
Direct payments to labor (\$Millions)	10.7	9.1	19.8	-0.0	0.1	0.1	-0.1	1.1	0.4
Direct purchases from local input suppliers (\$Millions)	7.7	6.6	14.4	-0.0	0.1	0.1	-0.1	1.1	0.4
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	26.2	22.4	48.5	-0.0	0.2	0.2	-0.1	1.1	0.4
Total turtle mortality (number)	47	103	150	0	0	0	0.0	0.0	0.0
Total albatross mortality (number)	15	276	291	-144	-1,800	-1,944	-90.6	-86.7	-87.0

Table 2 (continued): Projected Outcomes under Alternative 2

	Alternative 2			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	173.6	5,661.0	5,834.6	-38.2	-311.4	-349.6	-18.0	-5.2	-5.7
Bigeye (thousands of pounds)	4,108.3	1,098.9	5,207.2	30.8	20.2	51.0	0.8	1.9	1.0
Albacore (thousands of pounds)	2,127.8	340.2	2,468.0	-11.3	-13.1	-24.4	-0.5	-3.7	-1.0
Yellowfin (thousands of pounds)	1,031.8	1,514.6	2,546.4	26.1	807.6	833.7	2.6	114.2	48.7
Blue Shark (thousands of pounds)	81.9	582.9	664.8	-483.9	-4,320.1	-4,804.0	-85.5	-88.1	-87.8
Mako shark (thousands of pounds)	87.7	76.2	163.8	0.0	0.0	0.0	0.0	0.0	0.0
Thresher shark (thousands of pounds)	272.4	31.1	303.6	0.0	0.0	0.0	0.0	0.0	0.0
Blue Marlin (thousands of pounds)	576.3	422.2	998.5	26.1	-33.8	-7.7	4.7	-7.4	-0.8
Striped Marlin (thousands of pounds)	684.4	179.7	864.1	7.6	-72.4	-64.8	1.1	-28.7	-7.0
Total PMUS (thousands of pounds)	9,144.2	9,906.7	19,050.9	-442.8	-3,923.0	-4,365.8	-4.6	-28.4	-18.6
Loggerhead Take (number)	23	394	418	0	0	0	0.0	0.0	0.0
Leatherback Take (number)	39	73	112	0	0	0	0.0	0.0	0.0
Ridley Take (number)	109	37	146	0	0	0	0.0	0.0	0.0
Green Take (number)	19	21	40	0	0	0	0.0	0.0	0.0
Take of All Turtle Species (number)	190	526	716	0	0	0	0.0	0.0	0.0
Loggerhead Kill (number)	5	82	87	0	0	0	0.0	0.0	0.0
Leatherback Kill (number)	3	6	9	0	0	0	0.0	0.0	0.0
Ridley Kill (number)	36	12	49	0	0	0	0.0	0.0	0.0
Green Kill (number)	2	3	5	0	0	0	0.0	0.0	0.0
Kill of All Turtle Species (number)	47	103	150	0	0	0	0.0	0.0	0.0
Black footed Albatross Take (number)	13	156	169	-115	-1,143	-1,258	-90.0	-88.0	-88.2
Laysan Albatross Take (number)	4	167	171	-50	-945	-994	-92.0	-85.0	-85.3
Total Take of Albatross (number)	17	323	340	-165	-2,088	-2,252	-90.6	-86.6	-86.9
Black footed Albatross Kill (number)	11	140	152	-103	-1,028	-1,132	-90.0	-88.0	-88.2
Laysan Albatross Kill (number)	4	136	140	-41	-772	-812	-92.0	-85.0	-85.3
Total Kill of Albatross (number)	15	276	291	-144	-1,800	-1,944	-90.6	-86.7	-87.0

Table 3: Projected Outcomes under Alternative 3 with switching

	Alternative 3 with switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	84	4	88	10	-41	-31	13.5	-91.1	-26.1
Persons on break-even vessels	462	18	480	55	-185	-130	13.5	-91.1	-21.3
Effort (sets)	9,088	420	9,508	1,960	-4,331	-2,371	27.5	-91.2	-20.0
Effort (trips)	911	35	946	196	-398	-202	27.5	-91.8	-17.6
Trips per break-even vessel	10.8	8.9	10.7	1.2	-0.8	1.1	12.3	-8.1	11.5
Tuna revenue (\$Millions)	23.5	0.3	23.8	4.0	-4.9	-0.9	20.5	-94.9	-3.6
Swordfish revenue (\$Millions)	0.5	1.3	1.8	0.0	-10.0	-10.0	0.6	-88.6	-85.1
Shark revenue (\$Millions)	0.4	0.2	0.6	0.0	-1.0	-1.0	10.2	-86.3	-62.2
Other PMUS revenue (\$Millions)	2.0	0.0	2.1	0.4	-0.9	-0.6	21.3	-96.8	-22.0
Total revenue (\$Millions)	26.5	1.7	28.2	4.4	-16.9	-12.5	19.9	-90.6	-30.7
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	0	0	0	0	0	0	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	315,000	437,000	320,000	17,000	23,000	-22,000	5.7	5.6	-6.4
Direct payments to labor (\$Millions)	12.8	0.8	13.7	2.1	-8.2	-6.0	19.9	-90.6	-30.7
Direct purchases from local input suppliers (\$Millions)	9.3	0.6	9.9	1.5	-5.9	-4.4	19.9	-90.6	-30.7
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	31.4	2.1	33.5	5.2	-20.1	-14.8	19.9	-90.6	-30.7
Total turtle mortality (number)	58	16	75	12	-87	-76	24.8	-84.4	-50.4
Total albatross mortality (number)	171	261	433	12	-1,815	-1,803	7.8	-87.4	-80.6

Table 3 (continued): Projected Outcomes under Alternative 3 with switching

	Alternative 3 with switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	226.1	720.0	946.1	14.3	-5,252.4	-5,238.1	6.8	-87.9	-84.7
Bigeye (thousands of pounds)	5,174.7	64.6	5,239.3	1,097.2	-1,014.1	83.1	26.9	-94.0	1.6
Albacore (thousands of pounds)	2,819.9	29.9	2,849.8	680.8	-323.4	357.4	31.8	-91.5	14.3
Yellowfin (thousands of pounds)	1,287.7	13.9	1,301.6	282.1	-693.1	-411.0	28.0	-98.0	-24.0
Blue Shark (thousands of pounds)	713.5	726.1	1,439.6	147.7	-4,176.8	-4,029.1	26.1	-85.2	-73.7
Mako shark (thousands of pounds)	111.5	6.9	118.4	23.8	-69.3	-45.5	27.2	-90.9	-27.7
Thresher shark (thousands of pounds)	289.8	1.5	291.3	17.4	-29.7	-12.3	6.4	-95.3	-4.0
Blue Marlin (thousands of pounds)	719.1	9.8	729.0	168.9	-446.2	-277.3	30.7	-97.8	-27.6
Striped Marlin (thousands of pounds)	859.7	10.7	870.5	182.9	-241.3	-58.4	27.0	-95.7	-6.3
Total PMUS (thousands of pounds)	12,202.1	1,583.4	13,785.5	2,615.2	-12,246.3	-9,631.1	27.3	-88.6	-41.1
Loggerhead Take (number)	26	68	94	3	-326	-324	11.8	-82.7	-77.5
Leatherback Take (number)	37	10	47	-1	-64	-65	-3.8	-86.9	-58.2
Ridley Take (number)	141	2	143	32	-35	-3	29.1	-94.7	-2.3
Green Take (number)	24	4	27	5	-18	-13	24.8	-83.2	-32.3
Take of All Turtle Species (number)	228	83	311	38	-443	-405	19.9	-84.2	-56.6
Loggerhead Kill (number)	5	14	20	1	-68	-67	11.8	-82.7	-77.5
Leatherback Kill (number)	3	1	4	-0	-5	-5	-3.8	-86.9	-58.2
Ridley Kill (number)	47	1	48	11	-12	-1	29.1	-94.7	-2.3
Green Kill (number)	3	0	3	1	-2	-2	24.8	-83.2	-32.3
Kill of All Turtle Species (number)	58	16	75	12	-87	-76	24.8	-84.4	-50.4
Black footed Albatross Take (number)	140	160	300	12	-1,139	-1,127	9.4	-87.7	-79.0
Laysan Albatross Take (number)	56	143	199	2	-968	-966	3.8	-87.1	-82.9
Total Take of Albatross (number)	196	304	499	14	-2,107	-2,093	7.7	-87.4	-80.7
Black footed Albatross Kill (number)	125	144	270	11	-1,024	-1,013	9.4	-87.7	-79.0
Laysan Albatross Kill (number)	46	117	163	2	-791	-789	3.8	-87.1	-82.9
Total Kill of Albatross (number)	171	261	433	12	-1,815	-1,803	7.8	-87.4	-80.6

Table 4: Projected Outcomes under Alternative 3 without switching

	Alternative 3 without switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	61	4	65	-13	-41	-54	-17.6	-91.1	-45.4
Persons on break-even vessels	336	18	354	-71	-185	-256	-17.4	-91.1	-42.0
Effort (sets)	6,224	420	6,644	-904	-4,331	-5,235	-12.7	-91.2	-44.1
Effort (trips)	624	35	659	-91	-398	-488	-12.7	-91.8	-42.6
Trips per break-even vessel	10.2	8.9	10.1	0.6	-0.8	0.5	5.9	-8.1	5.1
Tuna revenue (\$Millions)	16.2	0.3	16.5	-3.3	-4.9	-8.2	-16.9	-94.9	-33.2
Swordfish revenue (\$Millions)	0.3	1.3	1.6	-0.2	-10.0	-10.2	-33.7	-88.6	-86.4
Shark revenue (\$Millions)	0.3	0.2	0.5	-0.1	-1.0	-1.1	-26.3	-86.3	-71.3
Other PMUS revenue (\$Millions)	1.4	0.0	1.4	-0.3	-0.9	-1.2	-16.8	-96.8	-46.1
Total revenue (\$Millions)	18.2	1.7	20.0	-3.8	-16.9	-20.7	-17.4	-90.6	-50.9
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	0	0	0	0	0	0	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	299,000	437,000	307,000	1,000	23,000	-35,000	0.3	5.6	-10.2
Direct payments to labor (\$Millions)	8.8	0.8	9.7	-1.9	-8.2	-10.0	-17.4	-90.6	-50.9
Direct purchases from local input suppliers (\$Millions)	6.4	0.6	7.0	-1.3	-5.9	-7.3	-17.4	-90.6	-50.9
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	21.6	2.1	23.7	-4.6	-20.1	-24.6	-17.4	-90.6	-50.9
Total turtle mortality (number)	40	16	56	-7	-87	-94	-14.8	-84.4	-62.7
Total albatross mortality (number)	117	261	379	-42	-1,815	-1,857	-26.2	-87.4	-83.1

Table 4 (continued): Projected Outcomes under Alternative 3 without switching

	Alternative 3 without switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	150.4	720.0	870.4	-61.4	-5,252.4	-5,313.8	-29.0	-87.9	-85.9
Bigeye (thousands of pounds)	3,667.1	64.6	3,731.6	-410.4	-1,014.1	-1,424.6	-10.1	-94.0	-27.6
Albacore (thousands of pounds)	1,867.1	29.9	1,896.9	-272.0	-323.4	-595.4	-12.7	-91.5	-23.9
Yellowfin (thousands of pounds)	870.7	13.9	884.6	-135.0	-693.1	-828.1	-13.4	-98.0	-48.4
Blue Shark (thousands of pounds)	487.9	726.1	1,214.0	-77.9	-4,176.8	-4,254.7	-13.8	-85.2	-77.8
Mako shark (thousands of pounds)	76.1	6.9	83.0	-11.6	-69.3	-80.8	-13.2	-90.9	-49.3
Thresher shark (thousands of pounds)	192.4	1.5	193.9	-80.0	-29.7	-109.7	-29.4	-95.3	-36.1
Blue Marlin (thousands of pounds)	489.6	9.8	499.4	-60.6	-446.2	-506.8	-11.0	-97.8	-50.4
Striped Marlin (thousands of pounds)	604.7	10.7	615.5	-72.1	-241.3	-313.4	-10.7	-95.7	-33.7
Total PMUS (thousands of pounds)	8,405.9	1,583.4	9,989.3	-1,181.0	-12,246.3	-13,427.3	-12.3	-88.6	-57.3
Loggerhead Take (number)	18	68	86	-6	-326	-332	-24.0	-82.7	-79.5
Leatherback Take (number)	25	10	34	-14	-64	-78	-36.0	-86.9	-69.3
Ridley Take (number)	96	2	98	-13	-35	-48	-11.6	-94.7	-32.7
Green Take (number)	16	4	20	-3	-18	-20	-15.0	-83.2	-51.1
Take of All Turtle Species (number)	155	83	238	-35	-443	-478	-18.4	-84.2	-66.7
Loggerhead Kill (number)	4	14	18	-1	-68	-69	-24.0	-82.7	-79.5
Leatherback Kill (number)	2	1	3	-1	-5	-6	-36.0	-86.9	-69.3
Ridley Kill (number)	32	1	33	-4	-12	-16	-11.6	-94.7	-32.7
Green Kill (number)	2	0	3	-0	-2	-3	-15.0	-83.2	-51.1
Kill of All Turtle Species (number)	40	16	56	-7	-87	-94	-14.8	-84.4	-62.7
Black footed Albatross Take (number)	95	160	256	-32	-1,139	-1,171	-25.2	-87.7	-82.1
Laysan Albatross Take (number)	38	143	182	-16	-968	-984	-28.8	-87.1	-84.4
Total Take of Albatross (number)	134	304	437	-48	-2,107	-2,155	-26.3	-87.4	-83.1
Black footed Albatross Kill (number)	86	144	230	-29	-1,024	-1,053	-25.2	-87.7	-82.1
Laysan Albatross Kill (number)	31	117	148	-13	-791	-804	-28.8	-87.1	-84.4
Total Kill of Albatross (number)	117	261	379	-42	-1,815	-1,857	-26.2	-87.4	-83.1

Table 5: Projected Outcomes under Alternative 4

	Alternative 4			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	73	42	115	-1	-3	-4	-1.4	-6.7	-3.4
Persons on break-even vessels	402	189	591	-5	-14	-19	-1.2	-6.9	-3.1
Effort (sets)	7,128	4,751	11,879	-0	0	0	-0.0	0.0	0.0
Effort (trips)	714	433	1,148	-0	0	0	-0.0	0.0	0.0
Trips per break-even vessel	9.8	10.3	10.0	0.1	0.7	0.3	1.4	7.1	3.5
Tuna revenue (\$Millions)	19.5	6.7	26.3	0.0	1.6	1.6	0.1	30.6	6.5
Swordfish revenue (\$Millions)	0.4	9.5	10.0	-0.0	-1.8	-1.8	-7.4	-15.8	-15.5
Shark revenue (\$Millions)	0.3	0.1	0.3	-0.1	-1.1	-1.3	-36.5	-94.6	-80.1
Other PMUS revenue (\$Millions)	1.7	1.4	3.1	0.0	0.4	0.4	0.1	46.0	16.9
Total revenue (\$Millions)	21.9	17.7	39.6	-0.2	-0.9	-1.1	-0.7	-4.8	-2.6
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	38,163	74,716	112,878	38,163	74,716	112,878	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	300,000	421,000	344,000	2,000	7,000	2,000	0.7	1.7	0.6
Direct payments to labor (\$Millions)	10.6	8.6	19.2	-0.1	-0.4	-0.5	-0.7	-4.8	-2.6
Direct purchases from local input suppliers (\$Millions)	7.7	6.2	13.9	-0.1	-0.3	-0.4	-0.7	-4.8	-2.6
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	26.0	21.1	47.1	-0.2	-1.1	-1.2	-0.7	-4.8	-2.6
Total turtle mortality (number)	46	63	110	-1	-40	-41	-1.4	-38.6	-27.0
Total albatross mortality (number)	11	210	221	-148	-1,866	-2,014	-93.2	-89.9	-90.1

Table 5 (continued): Projected Outcomes under Alternative 4

	Alternative 4			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	196.1	4,731.0	4,927.1	-15.7	-1,241.4	-1,257.1	-7.4	-20.8	-20.3
Bigeye (thousands of pounds)	4,075.7	1,374.3	5,450.0	-1.8	295.6	293.8	-0.0	27.4	5.7
Albacore (thousands of pounds)	2,152.0	303.9	2,455.9	13.0	-49.4	-36.4	0.6	-14.0	-1.5
Yellowfin (thousands of pounds)	1,008.8	870.8	1,879.5	3.1	163.7	166.9	0.3	23.2	9.7
Blue Shark (thousands of pounds)	82.2	514.7	596.9	-483.6	-4,388.3	-4,871.9	-85.5	-89.5	-89.1
Mako shark (thousands of pounds)	87.5	67.3	154.8	-0.2	-8.9	-9.0	-0.2	-11.6	-5.5
Thresher shark (thousands of pounds)	273.4	45.0	318.5	1.0	13.9	14.9	0.4	44.7	4.9
Blue Marlin (thousands of pounds)	550.3	702.4	1,252.7	0.0	246.4	246.4	0.0	54.0	24.5
Striped Marlin (thousands of pounds)	678.5	298.7	977.3	1.7	46.7	48.4	0.2	18.5	5.2
Total PMUS (thousands of pounds)	9,104.6	8,908.1	18,012.6	-482.4	-4,921.6	-5,404.0	-5.0	-35.6	-23.1
Loggerhead Take (number)	19	198	218	-4	-196	-200	-16.2	-49.7	-47.9
Leatherback Take (number)	38	52	91	-0	-21	-21	-0.6	-28.9	-19.1
Ridley Take (number)	110	46	156	1	9	10	0.5	24.4	6.5
Green Take (number)	19	19	38	-0	-2	-2	-0.3	-11.4	-6.1
Take of All Turtle Species (number)	186	315	502	-4	-211	-214	-1.9	-40.1	-29.9
Loggerhead Kill (number)	4	41	45	-1	-41	-42	-16.2	-49.7	-47.9
Leatherback Kill (number)	3	4	8	-0	-2	-2	-0.6	-28.9	-19.1
Ridley Kill (number)	36	15	52	0	3	3	0.5	24.4	6.5
Green Kill (number)	2	2	5	-0	-0	-0	-0.3	-11.4	-6.1
Kill of All Turtle Species (number)	46	63	110	-1	-40	-41	-1.4	-38.6	-27.0
Black footed Albatross Take (number)	9	133	142	-119	-1,166	-1,285	-93.2	-89.7	-90.1
Laysan Albatross Take (number)	4	111	115	-50	-1,000	-1,051	-93.3	-90.0	-90.2
Total Take of Albatross (number)	12	244	256	-169	-2,166	-2,336	-93.2	-89.9	-90.1
Black footed Albatross Kill (number)	8	120	128	-107	-1,049	-1,156	-93.2	-89.7	-90.1
Laysan Albatross Kill (number)	3	91	94	-41	-817	-859	-93.3	-90.0	-90.2
Total Kill of Albatross (number)	11	210	221	-148	-1,866	-2,014	-93.2	-89.9	-90.1

Table 6: Projected Outcomes under Alternative 5 with switching

	Alternative 5 with switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	110	0	110	36	-45	-9	48.6	-100.0	-7.6
Persons on break-even vessels	605	0	605	198	-203	-5	48.6	-100.0	-0.8
Effort (sets)	11,879	0	11,879	4,751	-4,751	0	66.7	-100.0	0.0
Effort (trips)	1,190	0	1,190	476	-433	43	66.7	-100.0	3.7
Trips per break-even vessel	10.8	0.0	10.8	1.2	-9.6	1.2	12.1	-100.0	12.2
Tuna revenue (\$Millions)	32.7	0.0	32.7	13.2	-5.2	8.0	67.5	-100.0	32.5
Swordfish revenue (\$Millions)	1.1	0.0	1.1	0.7	-11.3	-10.7	142.0	-100.0	-90.4
Shark revenue (\$Millions)	0.5	0.0	0.5	0.1	-1.2	-1.1	15.7	-100.0	-71.2
Other PMUS revenue (\$Millions)	3.1	0.0	3.1	1.4	-1.0	0.4	83.3	-100.0	16.2
Total revenue (\$Millions)	37.4	0.0	37.4	15.3	-18.6	-3.3	69.3	-100.0	-8.2
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	172,366	0	172,366	172,366	0	172,366	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	338,000	0	338,000	40,000	-414,000	-4,000	13.4	-100.0	-1.2
Direct payments to labor (\$Millions)	18.1	0.0	18.1	7.4	-9.0	-1.6	69.3	-100.0	-8.2
Direct purchases from local input suppliers (\$Millions)	13.1	0.0	13.1	5.4	-6.5	-1.2	69.3	-100.0	-8.2
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	44.3	0.0	44.3	18.2	-22.1	-4.0	69.3	-100.0	-8.2
Total turtle mortality (number)	37	0	37	-9	-103	-113	-20.0	-100.0	-75.1
Total albatross mortality (number)	22	0	22	-136	-2,077	-2,213	-85.9	-100.0	-99.0

Table 6 (continued): Projected Outcomes under Alternative 5 with switching

	Alternative 5 with switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	490.9	0.0	490.9	279.1	-5,972.4	-5,693.2	131.8	-100.0	-92.1
Bigeye (thousands of pounds)	6,368.5	0.0	6,368.5	2,291.0	-1,078.7	1,212.3	56.2	-100.0	23.5
Albacore (thousands of pounds)	3,556.3	0.0	3,556.3	1,417.3	-353.3	1,064.0	66.3	-100.0	42.7
Yellowfin (thousands of pounds)	1,772.5	0.0	1,772.5	766.9	-707.0	59.9	76.3	-100.0	3.5
Blue Shark (thousands of pounds)	170.3	0.0	170.3	-395.4	-4,903.0	-5,298.4	-69.9	-100.0	-96.9
Mako shark (thousands of pounds)	155.6	0.0	155.6	67.9	-76.2	-8.3	77.4	-100.0	-5.1
Thresher shark (thousands of pounds)	474.6	0.0	474.6	202.1	-31.1	171.0	74.2	-100.0	56.3
Blue Marlin (thousands of pounds)	1,056.1	0.0	1,056.1	505.9	-456.0	49.9	91.9	-100.0	5.0
Striped Marlin (thousands of pounds)	1,087.1	0.0	1,087.1	410.3	-252.0	158.2	60.6	-100.0	17.0
Total PMUS (thousands of pounds)	15,132.0	0.0	15,132.0	5,545.0	-13,829.7	-8,284.7	57.8	-100.0	-35.4
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	56	0	56	17	-73	-57	43.5	-100.0	-50.4
Ridley Take (number)	90	0	90	-19	-37	-57	-17.8	-100.0	-38.7
Green Take (number)	23	0	23	4	-21	-17	21.5	-100.0	-42.8
Take of All Turtle Species (number)	168	0	168	-22	-526	-548	-11.4	-100.0	-76.5
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	5	0	5	1	-6	-5	43.5	-100.0	-50.4
Ridley Kill (number)	30	0	30	-6	-12	-19	-17.8	-100.0	-38.7
Green Kill (number)	3	0	3	1	-3	-2	21.5	-100.0	-42.8
Kill of All Turtle Species (number)	37	0	37	-9	-103	-113	-20.0	-100.0	-75.1
Black footed Albatross Take (number)	18	0	18	-110	-1,299	-1,409	-86.1	-100.0	-98.8
Laysan Albatross Take (number)	8	0	8	-46	-1,111	-1,157	-85.2	-100.0	-99.3
Total Take of Albatross (number)	26	0	26	-156	-2,410	-2,566	-85.9	-100.0	-99.0
Black footed Albatross Kill (number)	16	0	16	-99	-1,168	-1,267	-86.1	-100.0	-98.8
Laysan Albatross Kill (number)	7	0	7	-38	-908	-946	-85.2	-100.0	-99.3
Total Kill of Albatross (number)	22	0	22	-136	-2,077	-2,213	-85.9	-100.0	-99.0

Table 7: Projected Outcomes under Alternative 5 without switching

	Alternative 5 without switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	78	0	78	4	-45	-41	5.4	-100.0	-34.5
Persons on break-even vessels	429	0	429	22	-203	-181	5.4	-100.0	-29.7
Effort (sets)	7,640	0	7,640	512	-4,751	-4,239	7.2	-100.0	-35.7
Effort (trips)	766	0	766	51	-433	-382	7.2	-100.0	-33.3
Trips per break-even vessel	9.8	0.0	9.8	0.2	-9.6	0.2	1.7	-100.0	1.8
Tuna revenue (\$Millions)	20.9	0.0	20.9	1.4	-5.2	-3.8	7.0	-100.0	-15.3
Swordfish revenue (\$Millions)	0.7	0.0	0.7	0.2	-11.3	-11.1	45.3	-100.0	-94.2
Shark revenue (\$Millions)	0.3	0.0	0.3	-0.1	-1.2	-1.3	-31.5	-100.0	-82.9
Other PMUS revenue (\$Millions)	2.0	0.0	2.0	0.3	-1.0	-0.7	17.8	-100.0	-25.4
Total revenue (\$Millions)	23.8	0.0	23.8	1.8	-18.6	-16.9	8.0	-100.0	-41.5
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	56,086	0	56,086	56,086	0	56,086	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	305,000	0	305,000	7,000	-414,000	-37,000	2.3	-100.0	-10.8
Direct payments to labor (\$Millions)	11.5	0.0	11.5	0.8	-9.0	-8.2	8.0	-100.0	-41.5
Direct purchases from local input suppliers (\$Millions)	8.4	0.0	8.4	0.6	-6.5	-5.9	8.0	-100.0	-41.5
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	28.3	0.0	28.3	2.1	-22.1	-20.0	8.0	-100.0	-41.5
Total turtle mortality (number)	22	0	22	-25	-103	-128	-53.1	-100.0	-85.4
Total albatross mortality (number)	14	0	14	-145	-2,077	-2,222	-91.4	-100.0	-99.4

Table 7 (continued): Projected Outcomes under Alternative 5 without Switching

	Alternative 5 without Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	301.5	0.0	301.5	89.7	-5,972.4	-5,882.7	42.4	-100.0	-95.1
Bigeye (thousands of pounds)	4,252.7	0.0	4,252.7	175.2	-1,078.7	-903.5	4.3	-100.0	-17.5
Albacore (thousands of pounds)	2,184.9	0.0	2,184.9	45.8	-353.3	-307.5	2.1	-100.0	-12.3
Yellowfin (thousands of pounds)	1,118.2	0.0	1,118.2	112.5	-707.0	-594.5	11.2	-100.0	-34.7
Blue Shark (thousands of pounds)	111.6	0.0	111.6	-454.2	-4,903.0	-5,357.2	-80.3	-100.0	-98.0
Mako shark (thousands of pounds)	97.8	0.0	97.8	10.2	-76.2	-66.0	11.6	-100.0	-40.3
Thresher shark (thousands of pounds)	283.3	0.0	283.3	10.9	-31.1	-20.2	4.0	-100.0	-6.7
Blue Marlin (thousands of pounds)	692.0	0.0	692.0	141.7	-456.0	-314.3	25.8	-100.0	-31.2
Striped Marlin (thousands of pounds)	716.9	0.0	716.9	40.1	-252.0	-211.9	5.9	-100.0	-22.8
Total PMUS (thousands of pounds)	9,758.8	0.0	9,758.8	171.9	-13,829.7	-13,657.8	1.8	-100.0	-58.3
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	31	0	31	-7	-73	-81	-19.0	-100.0	-72.0
Ridley Take (number)	53	0	53	-56	-37	-93	-51.2	-100.0	-63.6
Green Take (number)	13	0	13	-6	-21	-27	-33.0	-100.0	-68.4
Take of All Turtle Species (number)	97	0	97	-93	-526	-619	-48.8	-100.0	-86.4
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	3	0	3	-1	-6	-7	-19.0	-100.0	-72.0
Ridley Kill (number)	18	0	18	-19	-12	-31	-51.2	-100.0	-63.6
Green Kill (number)	2	0	2	-1	-3	-4	-33.0	-100.0	-68.4
Kill of All Turtle Species (number)	22	0	22	-25	-103	-128	-53.1	-100.0	-85.4
Black footed Albatross Take (number)	11	5	15	-117	-1,295	-1,411	-91.6	-99.6	-98.9
Laysan Albatross Take (number)	5	0	5	-49	-1,111	-1,160	-91.0	-100.0	-99.6
Total Take of Albatross (number)	16	5	20	-166	-2,406	-2,572	-91.4	-99.8	-99.2
Black footed Albatross Kill (number)	10	0	10	-105	-1,168	-1,274	-91.6	-100.0	-99.3
Laysan Albatross Kill (number)	4	0	4	-40	-908	-948	-91.0	-100.0	-99.6
Total Kill of Albatross (number)	14	0	14	-145	-2,077	-2,222	-91.4	-100.0	-99.4

Table 8: Projected Outcomes under Alternative 6

	Alternative 6			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	57	29	86	-17	-16	-33	-23.0	-35.6	-27.7
Persons on break-even vessels	314	131	445	-93	-72	-165	-22.9	-35.5	-27.0
Effort (sets)	5,533	3,150	8,682	-1,595	-1,601	-3,197	-22.4	-33.7	-26.9
Effort (trips)	554	286	840	-160	-147	-307	-22.4	-34.0	-26.8
Trips per break-even vessel	9.7	9.9	9.8	0.1	0.2	0.1	0.8	2.4	1.3
Tuna revenue (\$Millions)	15.4	6.2	21.6	-4.1	1.0	-3.1	-21.0	19.9	-12.5
Swordfish revenue (\$Millions)	0.2	4.8	5.0	-0.2	-6.6	-6.8	-52.6	-58.0	-57.8
Shark revenue (\$Millions)	0.2	0.0	0.2	-0.2	-1.2	-1.4	-59.2	-96.9	-87.5
Other PMUS revenue (\$Millions)	1.3	1.0	2.3	-0.4	0.1	-0.3	-24.5	8.0	-12.6
Total revenue (\$Millions)	17.1	12.0	29.1	-5.0	-6.6	-11.6	-22.7	-35.5	-28.6
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	24,866	50,020	74,886	24,866	50,020	74,886	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	299,000	413,000	337,000	1,000	-1,000	-5,000	0.3	-0.2	-1.5
Direct payments to labor (\$Millions)	8.3	5.8	14.1	-2.4	-3.2	-5.6	-22.7	-35.5	-28.6
Direct purchases from local input suppliers (\$Millions)	6.0	4.2	10.2	-1.8	-2.3	-4.1	-22.7	-35.5	-28.6
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	20.3	14.3	34.5	-5.9	-7.9	-13.8	-22.7	-35.5	-28.6
Total turtle mortality (number)	35	42	77	-12	-62	-73	-25.3	-59.6	-48.9
Total albatross mortality (number)	11	210	221	-148	-1,866	-2,014	-93.2	-89.9	-90.1

Table 8 (continued): Projected Outcomes under Alternative 6

	Alternative 6			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	105.0	2,249.9	2,355.0	-106.8	-3,722.4	-3,829.2	-50.4	-62.3	-61.9
Bigeye (thousands of pounds)	3,599.1	1,245.5	4,844.5	-478.4	166.8	-311.7	-11.7	15.5	-6.0
Albacore (thousands of pounds)	1,282.3	268.8	1,551.1	-856.8	-84.5	-941.3	-40.1	-23.9	-37.8
Yellowfin (thousands of pounds)	804.0	598.9	1,402.8	-201.7	-108.2	-309.8	-20.1	-15.3	-18.1
Blue Shark (thousands of pounds)	63.5	314.6	378.1	-502.3	-4,588.3	-5,090.7	-88.8	-93.6	-93.1
Mako shark (thousands of pounds)	72.9	29.5	102.4	-14.8	-46.7	-61.4	-16.8	-61.2	-37.5
Thresher shark (thousands of pounds)	168.4	30.0	198.4	-104.0	-1.2	-105.2	-38.2	-3.7	-34.6
Blue Marlin (thousands of pounds)	417.1	531.6	948.7	-133.1	75.6	-57.5	-24.2	16.6	-5.7
Striped Marlin (thousands of pounds)	554.2	167.2	721.3	-122.7	-84.9	-207.5	-18.1	-33.7	-22.3
Total PMUS (thousands of pounds)	7,066.3	5,436.0	12,502.3	-2,520.6	-8,393.7	-10,914.3	-26.3	-60.7	-46.6
Loggerhead Take (number)	18	137	154	-5	-258	-263	-23.4	-65.3	-63.0
Leatherback Take (number)	15	10	25	-24	-63	-87	-61.4	-86.0	-77.5
Ridley Take (number)	85	33	118	-24	-4	-29	-22.3	-11.2	-19.5
Green Take (number)	14	12	25	-5	-9	-15	-26.7	-44.9	-36.3
Take of All Turtle Species (number)	131	192	323	-59	-335	-393	-30.9	-63.6	-54.9
Loggerhead Kill (number)	4	28	32	-1	-54	-55	-23.4	-65.3	-63.0
Leatherback Kill (number)	1	1	2	-2	-5	-7	-61.4	-86.0	-77.5
Ridley Kill (number)	28	11	39	-8	-1	-9	-22.3	-11.2	-19.5
Green Kill (number)	2	2	3	-1	-1	-2	-26.7	-44.9	-36.3
Kill of All Turtle Species (number)	35	42	77	-12	-62	-73	-25.3	-59.6	-48.9
Black footed Albatross Take (number)	9	133	142	-119	-1,166	-1,285	-93.2	-89.7	-90.1
Laysan Albatross Take (number)	4	111	115	-50	-1,000	-1,051	-93.3	-90.0	-90.2
Total Take of Albatross (number)	12	244	256	-169	-2,166	-2,336	-93.2	-89.9	-90.1
Black footed Albatross Kill (number)	8	120	128	-107	-1,049	-1,156	-93.2	-89.7	-90.1
Laysan Albatross Kill (number)	3	91	94	-41	-817	-859	-93.3	-90.0	-90.2
Total Kill of Albatross (number)	11	210	221	-148	-1,866	-2,014	-93.2	-89.9	-90.1

Table 9: Projected Outcomes under Alternative 7 with Switching

	Alternative 7 with Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	98	0	98	24	-45	-21	32.4	-100.0	-17.6
Persons on break-even vessels	539	0	539	132	-203	-71	32.4	-100.0	-11.6
Effort (sets)	10,692	0	10,692	3,564	-4,751	-1,187	50.0	-100.0	-10.0
Effort (trips)	1,071	0	1,071	357	-433	-76	50.0	-100.0	-6.6
Trips per break-even vessel	10.9	0.0	10.9	1.3	-9.6	1.3	13.3	-100.0	13.4
Tuna revenue (\$Millions)	28.2	0.0	28.2	8.7	-5.2	3.5	44.5	-100.0	14.3
Swordfish revenue (\$Millions)	1.0	0.0	1.0	0.5	-11.3	-10.8	106.7	-100.0	-91.8
Shark revenue (\$Millions)	0.3	0.0	0.3	-0.0	-1.2	-1.2	-12.3	-100.0	-78.2
Other PMUS revenue (\$Millions)	2.6	0.0	2.6	0.9	-1.0	-0.0	56.2	-100.0	-1.0
Total revenue (\$Millions)	32.1	0.0	32.1	10.1	-18.6	-8.6	45.7	-100.0	-21.0
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	129,110	0	129,110	129,110	0	129,110	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	327,000	0	327,000	29,000	-414,000	-15,000	9.7	-100.0	-4.4
Direct payments to labor (\$Millions)	15.6	0.0	15.6	4.9	-9.0	-4.1	45.7	-100.0	-21.0
Direct purchases from local input suppliers (\$Millions)	11.3	0.0	11.3	3.5	-6.5	-3.0	45.7	-100.0	-21.0
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	38.2	0.0	38.2	12.0	-22.1	-10.2	45.7	-100.0	-21.0
Total turtle mortality (number)	31	0	31	-16	-103	-119	-33.5	-100.0	-79.3
Total albatross mortality (number)	20	0	20	-139	-2,077	-2,216	-87.6	-100.0	-99.1

Table 9 (continued): Projected Outcomes under Alternative 7 with Switching

	Alternative 7 with Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	441.9	0.0	441.9	230.1	-5,972.4	-5,742.3	108.6	-100.0	-92.9
Bigeye (thousands of pounds)	5,844.7	0.0	5,844.7	1,767.2	-1,078.7	688.5	43.3	-100.0	13.4
Albacore (thousands of pounds)	3,133.0	0.0	3,133.0	993.9	-353.3	640.6	46.5	-100.0	25.7
Yellowfin (thousands of pounds)	1,601.9	0.0	1,601.9	596.3	-707.0	-110.7	59.3	-100.0	-6.5
Blue Shark (thousands of pounds)	160.8	0.0	160.8	-405.0	-4,903.0	-5,308.0	-71.6	-100.0	-97.1
Mako shark (thousands of pounds)	140.4	0.0	140.4	52.8	-76.2	-23.4	60.2	-100.0	-14.3
Thresher shark (thousands of pounds)	361.1	0.0	361.1	88.7	-31.1	57.6	32.6	-100.0	19.0
Blue Marlin (thousands of pounds)	962.3	0.0	962.3	412.0	-456.0	-44.0	74.9	-100.0	-4.4
Striped Marlin (thousands of pounds)	960.2	0.0	960.2	283.4	-252.0	31.4	41.9	-100.0	3.4
Total PMUS (thousands of pounds)	13,606.3	0.0	13,606.3	4,019.3	-13,829.7	-9,810.4	41.9	-100.0	-41.9
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	27	0	27	-12	-73	-86	-31.3	-100.0	-76.3
Ridley Take (number)	85	0	85	-25	-37	-62	-22.6	-100.0	-42.2
Green Take (number)	6	0	6	-13	-21	-34	-68.9	-100.0	-85.4
Take of All Turtle Species (number)	117	0	117	-73	-526	-599	-38.4	-100.0	-83.7
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	2	0	2	-1	-6	-7	-31.3	-100.0	-76.3
Ridley Kill (number)	28	0	28	-8	-12	-21	-22.6	-100.0	-42.2
Green Kill (number)	1	0	1	-2	-3	-4	-68.9	-100.0	-85.4
Kill of All Turtle Species (number)	31	0	31	-16	-103	-119	-33.5	-100.0	-79.3
Black footed Albatross Take (number)	15	0	15	-112	-1,299	-1,412	-88.0	-100.0	-98.9
Laysan Albatross Take (number)	7	0	7	-47	-1,111	-1,158	-86.7	-100.0	-99.4
Total Take of Albatross (number)	22	0	22	-159	-2,410	-2,570	-87.6	-100.0	-99.1
Black footed Albatross Kill (number)	14	0	14	-101	-1,168	-1,269	-88.0	-100.0	-98.9
Laysan Albatross Kill (number)	6	0	6	-38	-908	-946	-86.7	-100.0	-99.4
Total Kill of Albatross (number)	20	0	20	-139	-2,077	-2,216	-87.6	-100.0	-99.1

Table 10: Projected Outcomes under Alternative 7 without Switching

	Alternative 7 without Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	72	0	72	-2	-45	-47	-2.7	-100.0	-39.5
Persons on break-even vessels	396	0	396	-11	-203	-214	-2.7	-100.0	-35.1
Effort (sets)	7,015	0	7,015	-113	-4,751	-4,864	-1.6	-100.0	-40.9
Effort (trips)	703	0	703	-11	-433	-445	-1.6	-100.0	-38.7
Trips per break-even vessel	9.8	0.0	9.8	0.1	-9.6	0.1	1.2	-100.0	1.2
Tuna revenue (\$Millions)	18.9	0.0	18.9	-0.6	-5.2	-5.8	-3.1	-100.0	-23.3
Swordfish revenue (\$Millions)	0.6	0.0	0.6	0.1	-11.3	-11.2	26.6	-100.0	-95.0
Shark revenue (\$Millions)	0.2	0.0	0.2	-0.2	-1.2	-1.4	-42.5	-100.0	-85.7
Other PMUS revenue (\$milions)	1.8	0.0	1.8	0.1	-1.0	-0.9	6.6	-100.0	-32.5
Total revenue (\$Millions)	21.5	0.0	21.5	-0.5	-18.6	-19.2	-2.4	-100.0	-47.1
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	34,485	0	34,485	34,485	0	34,485	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	298,000	0	298,000	0	-414,000	-44,000	0.0	-100.0	-12.9
Direct payments to labor (\$Millions)	10.4	0.0	10.4	-0.3	-9.0	-9.3	-2.4	-100.0	-47.1
Direct purchases from local input suppliers (\$Millions)	7.6	0.0	7.6	-0.2	-6.5	-6.7	-2.4	-100.0	-47.1
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	25.6	0.0	25.6	-0.6	-22.1	-22.8	-2.4	-100.0	-47.1
Total turtle mortality (number)	19	0	19	-28	-103	-132	-60.3	-100.0	-87.6
Total albatross mortality (number)	12	0	12	-147	-2,077	-2,223	-92.3	-100.0	-99.5

Table 10 (continued): Projected Outcomes under Alternative 7 without Switching

	Alternative 7 without Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	269.2	0.0	269.2	57.3	-5,972.4	-5,915.0	27.1	-100.0	-95.6
Bigeye (thousands of pounds)	3,989.8	0.0	3,989.8	-87.7	-1,078.7	-1,166.4	-2.2	-100.0	-22.6
Albacore (thousands of pounds)	1,944.9	0.0	1,944.9	-194.2	-353.3	-547.5	-9.1	-100.0	-22.0
Yellowfin (thousands of pounds)	1,027.5	0.0	1,027.5	21.9	-707.0	-685.1	2.2	-100.0	-40.0
Blue Shark (thousands of pounds)	105.1	0.0	105.1	-460.7	-4,903.0	-5,363.6	-81.4	-100.0	-98.1
Mako shark (thousands of pounds)	89.3	0.0	89.3	1.7	-76.2	-74.5	1.9	-100.0	-45.5
Thresher shark (thousands of pounds)	238.1	0.0	238.1	-34.4	-31.1	-65.5	-12.6	-100.0	-21.6
Blue Marlin (thousands of pounds)	643.1	0.0	643.1	92.9	-456.0	-363.1	16.9	-100.0	-36.1
Striped Marlin (thousands of pounds)	662.8	0.0	662.8	-14.0	-252.0	-266.1	-2.1	-100.0	-28.6
Total PMUS (thousands of pounds)	8,969.8	0.0	8,969.8	-617.1	-13,829.7	-14,446.8	-6.4	-100.0	-61.7
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	23	0	23	-16	-73	-89	-41.0	-100.0	-79.6
Ridley Take (number)	47	0	47	-62	-37	-99	-57.1	-100.0	-67.9
Green Take (number)	8	0	8	-11	-21	-32	-56.8	-100.0	-79.6
Take of All Turtle Species (number)	78	0	78	-112	-526	-638	-59.0	-100.0	-89.1
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	2	0	2	-1	-6	-7	-41.0	-100.0	-79.6
Ridley Kill (number)	16	0	16	-21	-12	-33	-57.1	-100.0	-67.9
Green Kill (number)	1	0	1	-1	-3	-4	-56.8	-100.0	-79.6
Kill of All Turtle Species (number)	19	0	19	-28	-103	-132	-60.3	-100.0	-87.6
Black footed Albatross Take (number)	10	0	10	-118	-1,299	-1,417	-92.5	-100.0	-99.3
Laysan Albatross Take (number)	4	0	4	-50	-1,111	-1,161	-91.8	-100.0	-99.6
Total Take of Albatross (number)	14	0	14	-168	-2,410	-2,578	-92.3	-100.0	-99.5
Black footed Albatross Kill (number)	9	0	9	-106	-1,168	-1,275	-92.5	-100.0	-99.3
Laysan Albatross Kill (number)	4	0	4	-41	-908	-949	-91.8	-100.0	-99.6
Total Kill of Albatross (number)	12	0	12	-147	-2,077	-2,223	-92.3	-100.0	-99.5

Table 11: Projected Outcomes under Alternative 8

	Alternative 8			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	0	0	0	-74	-45	-119	-100.0	-100.0	-100.0
Persons on break-even vessels	0	0	0	-407	-203	-610	-100.0	-100.0	-100.0
Effort (sets)	0	0	0	-7,128	-4,751	-11,879	-100.0	-100.0	-100.0
Effort (trips)	0	0	0	-714	-433	-1,148	-100.0	-100.0	-100.0
Trips per break-even vessel	0.0	0.0	0.0	-9.7	-9.6	-9.6	-100.0	-100.0	-100.0
Tuna revenue (\$Millions)	0.0	0.0	0.0	-19.5	-5.2	-24.7	-100.0	-100.0	-100.0
Swordfish revenue (\$Millions)	0.0	0.0	0.0	-0.5	-11.3	-11.8	-100.0	-100.0	-100.0
Shark revenue (\$Millions)	0.0	0.0	0.0	-0.4	-1.2	-1.6	-100.0	-100.0	-100.0
Other PMUS revenue (\$milions)	0.0	0.0	0.0	-1.7	-1.0	-2.6	-100.0	-100.0	-100.0
Total revenue (\$Millions)	0.0	0.0	0.0	-22.1	-18.6	-40.7	-100.0	-100.0	-100.0
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	0	0	0	0	0	0	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	0	0	0	-298,000	-414,000	-342,000	-100.0	-100.0	-100.0
Direct payments to labor (\$Millions)	0.0	0.0	0.0	-10.7	-9.0	-19.7	-100.0	-100.0	-100.0
Direct purchases from local input suppliers (\$Millions)	0.0	0.0	0.0	-7.7	-6.5	-14.3	-100.0	-100.0	-100.0
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	0.0	0.0	0.0	-26.2	-22.1	-48.3	-100.0	-100.0	-100.0
Total turtle mortality (number)	0	0	0	-47	-103	-150	-400.0	-400.0	-400.0
Total albatross mortality (number)	0	0	0	-159	-2,077	-2,235	-200.0	-200.0	-200.0

Table 11 (continued): Projected Outcomes under Alternative 8

	Alternative 8			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	0.0	0.0	0.0	-211.8	-5,972.4	-6,184.2	-100.0	-100.0	-100.0
Bigeye (thousands of pounds)	0.0	0.0	0.0	-4,077.5	-1,078.7	-5,156.2	-100.0	-100.0	-100.0
Albacore (thousands of pounds)	0.0	0.0	0.0	-2,139.1	-353.3	-2,492.4	-100.0	-100.0	-100.0
Yellowfin (thousands of pounds)	0.0	0.0	0.0	-1,005.6	-707.0	-1,712.6	-100.0	-100.0	-100.0
Blue Shark (thousands of pounds)	0.0	0.0	0.0	-565.8	-4,903.0	-5,468.8	-100.0	-100.0	-100.0
Mako shark (thousands of pounds)	0.0	0.0	0.0	-87.7	-76.2	-163.8	-100.0	-100.0	-100.0
Thresher shark (thousands of pounds)	0.0	0.0	0.0	-272.4	-31.1	-303.6	-100.0	-100.0	-100.0
Blue Marlin (thousands of pounds)	0.0	0.0	0.0	-550.2	-456.0	-1,006.2	-100.0	-100.0	-100.0
Striped Marlin (thousands of pounds)	0.0	0.0	0.0	-676.8	-252.0	-928.9	-100.0	-100.0	-100.0
Total PMUS (thousands of pounds)	0.0	0.0	0.0	-9,586.9	-13,829.7	-23,416.7	-100.0	-100.0	-100.0
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	0	0	0	-39	-73	-112	-100.0	-100.0	-100.0
Ridley Take (number)	0	0	0	-109	-37	-146	-100.0	-100.0	-100.0
Green Take (number)	0	0	0	-19	-21	-40	-100.0	-100.0	-100.0
Take of All Turtle Species (number)	0	0	0	-190	-526	-716	-100.0	-100.0	-100.0
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	0	0	0	-3	-6	-9	-100.0	-100.0	-100.0
Ridley Kill (number)	0	0	0	-36	-12	-49	-100.0	-100.0	-100.0
Green Kill (number)	0	0	0	-2	-3	-5	-100.0	-100.0	-100.0
Kill of All Turtle Species (number)	0	0	0	-47	-103	-150	-100.0	-100.0	-100.0
Black footed Albatross Take (number)	0	0	0	-128	-1,299	-1,427	-100.0	-100.0	-100.0
Laysan Albatross Take (number)	0	0	0	-54	-1,111	-1,165	-100.0	-100.0	-100.0
Total Take of Albatross (number)	0	0	0	-182	-2,410	-2,592	-100.0	-100.0	-100.0
Black footed Albatross Kill (number)	0	0	0	-115	-1,168	-1,283	-100.0	-100.0	-100.0
Laysan Albatross Kill (number)	0	0	0	-44	-908	-952	-100.0	-100.0	-100.0
Total Kill of Albatross (number)	0	0	0	-159	-2,077	-2,235	-100.0	-100.0	-100.0

Table 12: Projected Outcomes under Alternative 10 with Switching

	Alternative 10 with Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	108	0	108	34	-45	-11	45.9	-100.0	-9.2
Persons on break-even vessels	594	0	594	187	-203	-16	45.9	-100.0	-2.6
Effort (sets)	11,879	0	11,879	4,751	-4,751	0	66.7	-100.0	0.0
Effort (trips)	1,190	0	1,190	476	-433	43	66.7	-100.0	3.7
Trips per break-even vessel	11.0	0.0	11.0	1.4	-9.6	1.4	14.2	-100.0	14.3
Tuna revenue (\$Millions)	31.5	0.0	31.5	12.0	-5.2	6.9	61.6	-100.0	27.9
Swordfish revenue (\$Millions)	1.3	0.0	1.3	0.8	-11.3	-10.5	173.3	-100.0	-89.2
Shark revenue (\$Millions)	0.4	0.0	0.4	-0.0	-1.2	-1.2	-9.5	-100.0	-77.5
Other PMUS revenue (\$milions)	3.2	0.0	3.2	1.6	-1.0	0.6	93.4	-100.0	22.5
Total revenue (\$Millions)	36.4	0.0	36.4	14.4	-18.6	-4.3	65.1	-100.0	-10.5
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	165,192	0	165,192	165,192	0	165,192	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	336,000	0	336,000	38,000	-414,000	-6,000	12.8	-100.0	-1.8
Direct payments to labor (\$Millions)	17.6	0.0	17.6	7.0	-9.0	-2.1	65.1	-100.0	-10.5
Direct purchases from local input suppliers (\$Millions)	12.8	0.0	12.8	5.0	-6.5	-1.5	65.1	-100.0	-10.5
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	43.2	0.0	43.2	17.1	-22.1	-5.1	65.1	-100.0	-10.5
Total turtle mortality (number)	26	0	26	-21	-103	-124	-45.0	-100.0	-82.8
Total albatross mortality (number)	26	0	26	-133	-2,077	-2,209	-83.5	-100.0	-98.8

Table 12 (continued): Projected Outcomes under Alternative 10 with Switching

	Alternative 10 with Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	546.1	0.0	546.1	334.3	-5,972.4	-5,638.1	157.8	-100.0	-91.2
Bigeye (thousands of pounds)	5,888.2	0.0	5,888.2	1,810.7	-1,078.7	732.0	44.4	-100.0	14.2
Albacore (thousands of pounds)	4,004.5	0.0	4,004.5	1,865.4	-353.3	1,512.1	87.2	-100.0	60.7
Yellowfin (thousands of pounds)	1,533.6	0.0	1,533.6	527.9	-707.0	-179.1	52.5	-100.0	-10.5
Blue Shark (thousands of pounds)	175.6	0.0	175.6	-390.2	-4,903.0	-5,293.2	-69.0	-100.0	-96.8
Mako shark (thousands of pounds)	171.6	0.0	171.6	84.0	-76.2	7.8	95.8	-100.0	4.8
Thresher shark (thousands of pounds)	309.3	0.0	309.3	36.8	-31.1	5.7	13.5	-100.0	1.9
Blue Marlin (thousands of pounds)	1,072.5	0.0	1,072.5	522.3	-456.0	66.3	94.9	-100.0	6.6
Striped Marlin (thousands of pounds)	1,157.3	0.0	1,157.3	480.4	-252.0	228.4	71.0	-100.0	24.6
Total PMUS (thousands of pounds)	14,858.7	0.0	14,858.7	5,271.7	-13,829.7	-8,558.0	55.0	-100.0	-36.5
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	20	0	20	-18	-73	-92	-47.2	-100.0	-81.8
Ridley Take (number)	70	0	70	-39	-37	-76	-35.9	-100.0	-52.2
Green Take (number)	6	0	6	-13	-21	-34	-68.1	-100.0	-85.0
Take of All Turtle Species (number)	96	0	96	-93	-526	-620	-49.2	-100.0	-86.5
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	2	0	2	-2	-6	-8	-47.2	-100.0	-81.8
Ridley Kill (number)	23	0	23	-13	-12	-25	-35.9	-100.0	-52.2
Green Kill (number)	1	0	1	-2	-3	-4	-68.1	-100.0	-85.0
Kill of All Turtle Species (number)	26	0	26	-21	-103	-124	-45.0	-100.0	-82.8
Black footed Albatross Take (number)	21	0	21	-107	-1,299	-1,406	-83.7	-100.0	-98.5
Laysan Albatross Take (number)	9	0	9	-45	-1,111	-1,156	-82.8	-100.0	-99.2
Total Take of Albatross (number)	30	0	30	-152	-2,410	-2,562	-83.5	-100.0	-98.8
Black footed Albatross Kill (number)	19	0	19	-96	-1,168	-1,265	-83.7	-100.0	-98.5
Laysan Albatross Kill (number)	8	0	8	-37	-908	-945	-82.8	-100.0	-99.2
Total Kill of Albatross (number)	26	0	26	-133	-2,077	-2,209	-83.5	-100.0	-98.8

Table 13: Projected Outcomes under Alternative 10 without Switching

	Alternative 10 without Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	77	0	77	3	-45	-42	4.1	-100.0	-35.3
Persons on break-even vessels	424	0	424	17	-203	-186	4.2	-100.0	-30.5
Effort (sets)	7,640	0	7,640	512	-4,751	-4,239	7.2	-100.0	-35.7
Effort (trips)	766	0	766	51	-433	-382	7.2	-100.0	-33.3
Trips per break-even vessel	9.9	0.0	9.9	0.3	-9.6	0.3	3.0	-100.0	3.1
Tuna revenue (\$Millions)	20.5	0.0	20.5	1.0	-5.2	-4.1	5.2	-100.0	-16.8
Swordfish revenue (\$Millions)	0.7	0.0	0.7	0.3	-11.3	-11.1	57.0	-100.0	-93.8
Shark revenue (\$Millions)	0.2	0.0	0.2	-0.2	-1.2	-1.4	-41.7	-100.0	-85.5
Other PMUS revenue (\$milions)	2.0	0.0	2.0	0.4	-1.0	-0.6	22.0	-100.0	-22.7
Total revenue (\$Millions)	23.5	0.0	23.5	1.5	-18.6	-17.1	6.7	-100.0	-42.1
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	52,604	0	52,604	52,604	0	52,604	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	305,000	0	305,000	7,000	-414,000	-37,000	2.3	-100.0	-10.8
Direct payments to labor (\$Millions)	11.4	0.0	11.4	0.7	-9.0	-8.3	6.7	-100.0	-42.1
Direct purchases from local input suppliers (\$Millions)	8.3	0.0	8.3	0.5	-6.5	-6.0	6.7	-100.0	-42.1
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	28.0	0.0	28.0	1.8	-22.1	-20.4	6.7	-100.0	-42.1
Total turtle mortality (number)	17	0	17	-30	-103	-133	-64.0	-100.0	-88.8
Total albatross mortality (number)	15	0	15	-144	-2,077	-2,221	-90.6	-100.0	-99.3

Table 13 (continued): Projected Outcomes under Alternative 10 without Switching

	Alternative 10 without Switching			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	322.8	0.0	322.8	111.0	-5,972.4	-5,861.4	52.4	-100.0	-94.8
Bigeye (thousands of pounds)	4,081.1	0.0	4,081.1	3.6	-1,078.7	-1,075.1	0.1	-100.0	-20.9
Albacore (thousands of pounds)	2,360.5	0.0	2,360.5	221.4	-353.3	-131.9	10.4	-100.0	-5.3
Yellowfin (thousands of pounds)	1,036.6	0.0	1,036.6	30.9	-707.0	-676.1	3.1	-100.0	-39.5
Blue Shark (thousands of pounds)	112.4	0.0	112.4	-453.4	-4,903.0	-5,356.3	-80.1	-100.0	-97.9
Mako shark (thousands of pounds)	103.3	0.0	103.3	15.6	-76.2	-60.6	17.8	-100.0	-37.0
Thresher shark (thousands of pounds)	216.1	0.0	216.1	-56.3	-31.1	-87.4	-20.7	-100.0	-28.8
Blue Marlin (thousands of pounds)	700.1	0.0	700.1	149.9	-456.0	-306.1	27.2	-100.0	-30.4
Striped Marlin (thousands of pounds)	747.6	0.0	747.6	70.8	-252.0	-181.2	10.5	-100.0	-19.5
Total PMUS (thousands of pounds)	9,680.4	0.0	9,680.4	93.5	-13,829.7	-13,736.3	1.0	-100.0	-58.7
Loggerhead Take (number)	0	0	0	-23	-394	-418	-100.0	-100.0	-100.0
Leatherback Take (number)	16	0	16	-22	-73	-96	-57.9	-100.0	-85.5
Ridley Take (number)	45	0	45	-64	-37	-101	-58.6	-100.0	-69.1
Green Take (number)	4	0	4	-15	-21	-36	-81.1	-100.0	-91.1
Take of All Turtle Species (number)	65	0	65	-125	-526	-651	-65.7	-100.0	-90.9
Loggerhead Kill (number)	0	0	0	-5	-82	-87	-100.0	-100.0	-100.0
Leatherback Kill (number)	1	0	1	-2	-6	-8	-57.9	-100.0	-85.5
Ridley Kill (number)	15	0	15	-21	-12	-34	-58.6	-100.0	-69.1
Green Kill (number)	0	0	0	-2	-3	-5	-81.1	-100.0	-91.1
Kill of All Turtle Species (number)	17	0	17	-30	-103	-133	-64.0	-100.0	-88.8
Black footed Albatross Take (number)	12	0	12	-116	-1,299	-1,415	-90.7	-100.0	-99.2
Laysan Albatross Take (number)	5	0	5	-49	-1,111	-1,160	-90.2	-100.0	-99.5
Total Take of Albatross (number)	17	0	17	-164	-2,410	-2,575	-90.6	-100.0	-99.3
Black footed Albatross Kill (number)	11	0	11	-104	-1,168	-1,273	-90.7	-100.0	-99.2
Laysan Albatross Kill (number)	4	0	4	-40	-908	-948	-90.2	-100.0	-99.5
Total Kill of Albatross (number)	15	0	15	-144	-2,077	-2,221	-90.6	-100.0	-99.3

Table 14: Projected Outcomes Under Option A -- The Research Fishery

	Research Fishery			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Break-even vessels (number)	0	31	31	0	-14	-14	0.0	-31.1	-31.1
Persons on break-even vessels	0	140	140	0	-63	-63	0.0	-31.0	-31.0
Effort (sets)	0	3,500	3,500	0	-1,251	-1,251	0.0	-26.3	-26.3
Effort (trips)	0	319	319	0	-114	-114	0.0	-26.3	-26.3
Trips per break-even vessel	0.0	10.3	10.3	0.0	0.7	0.7	0.0	6.9	6.9
Tuna revenue (\$Millions)	0.0	4.0	4.0	0.0	-1.1	-1.1	0.0	-21.5	-21.5
Swordfish revenue (\$Millions)	0.0	8.2	8.2	0.0	-3.1	-3.1	0.0	-27.4	-27.4
Shark revenue (\$Millions)	0.0	0.0	0.0	0.0	-1.2	-1.2	0.0	-97.2	-97.2
Other PMUS revenue (\$milions)	0.0	0.7	0.7	0.0	-0.3	-0.3	0.0	-31.3	-31.3
Total revenue (\$Millions)	0.0	13.0	13.0	0.0	-5.7	-5.7	0.0	-30.5	-30.5
Fleet-wide direct seabird & turtle compliance cost (\$ annualized over 5 years)	0	0	0	0	0	0	0.0	0.0	0.0
Average revenue per break-even vessel (\$)	0	418,000	418,000	0	4,000	4,000	0.0	1.0	1.0
Direct payments to labor (\$Millions)	0.0	6.3	6.3	0.0	-2.7	-2.7	0.0	-30.5	-30.5
Direct purchases from local input suppliers (\$Millions)	0.0	4.6	4.6	0.0	-2.0	-2.0	0.0	-30.5	-30.5
Hawaii total economic impact--direct, indirect, and induced (\$Millions)	0.0	15.4	15.4	0.0	-6.7	-6.7	0.0	-30.5	-30.5
Total turtle mortality (number)	0	106	106	0	2	2	0.0	2.4	1.7
Total albatross mortality (number)	0	155	155	0	-1,922	-1,922	0.0	-92.5	-86.0

Table 14 (continued): Projected Outcomes under Option A -- the Research Fishery

	Research Fishery			Change from Alternative 1			Percentage change from Alternative 1		
	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total	Tuna Vessels	Swordfish Vessels	Total
Swordfish (thousands of pounds)	0.0	4,928.5	4,928.5	0.0	-1,043.9	-1,043.9	0.0	-17.5	-17.5
Bigeye (thousands of pounds)	0.0	777.1	777.1	0.0	-301.6	-301.6	0.0	-28.0	-28.0
Albacore (thousands of pounds)	0.0	220.4	220.4	0.0	-132.9	-132.9	0.0	-37.6	-37.6
Yellowfin (thousands of pounds)	0.0	385.7	385.7	0.0	-321.3	-321.3	0.0	-45.5	-45.5
Blue Shark (thousands of pounds)	0.0	555.9	555.9	0.0	-4,347.1	-4,347.1	0.0	-88.7	-88.7
Mako shark (thousands of pounds)	0.0	45.3	45.3	0.0	-30.9	-30.9	0.0	-40.5	-40.5
Thresher shark (thousands of pounds)	0.0	19.9	19.9	0.0	-11.2	-11.2	0.0	-35.9	-35.9
Blue Marlin (thousands of pounds)	0.0	228.2	228.2	0.0	-227.8	-227.8	0.0	-50.0	-50.0
Striped Marlin (thousands of pounds)	0.0	193.4	193.4	0.0	-58.6	-58.6	0.0	-23.2	-23.2
Total PMUS (thousands of pounds)	0.0	7,354.4	7,354.4	0.0	-6,475.3	-6,475.3	0.0	-46.8	-27.7
Loggerhead Take (number)	0	345	345	0	-50	-50	0.0	-12.6	-12.6
Leatherback Take (number)	0	67	67	0	-7	-7	0.0	-9.2	-9.2
Ridley Take (number)	0	77	77	0	40	40	0.0	107.0	107.0
Green Take (number)	0	23	23	0	1	1	0.0	6.8	6.8
Take of All Turtle Species (number)	0	511	511	0	-15	-15	0.0	-2.9	-2.1
Loggerhead Kill (number)	0	72	72	0	-10	-10	0.0	-12.6	-12.6
Leatherback Kill (number)	0	6	6	0	-1	-1	0.0	-9.2	-9.2
Ridley Kill (number)	0	26	26	0	13	13	0.0	107.0	107.0
Green Kill (number)	0	3	3	0	0	0	0.0	6.8	6.8
Kill of All Turtle Species (number)	0	106	106	0	2	2	0.0	2.4	1.7
Black footed Albatross Take (number)	0	98	98	0	-1,201	-1,201	0.0	-92.4	-92.4
Laysan Albatross Take (number)	0	82	82	0	-1,030	-1,030	0.0	-92.6	-92.6
Total Take of Albatross (number)	0	180	180	0	-2,231	-2,231	0.0	-92.5	-86.1
Black footed Albatross Kill (number)	0	88	88	0	-1,080	-1,080	0.0	-92.4	-92.4
Laysan Albatross Kill (number)	0	67	67	0	-841	-841	0.0	-92.6	-92.6
Total Kill of Albatross (number)	0	155	155	0	-1,922	-1,922	0.0	-92.5	-86.0