

COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT

CALENDAR YEAR 2016



**DIVISION OF AQUATIC RESOURCES
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE OF HAWAII**

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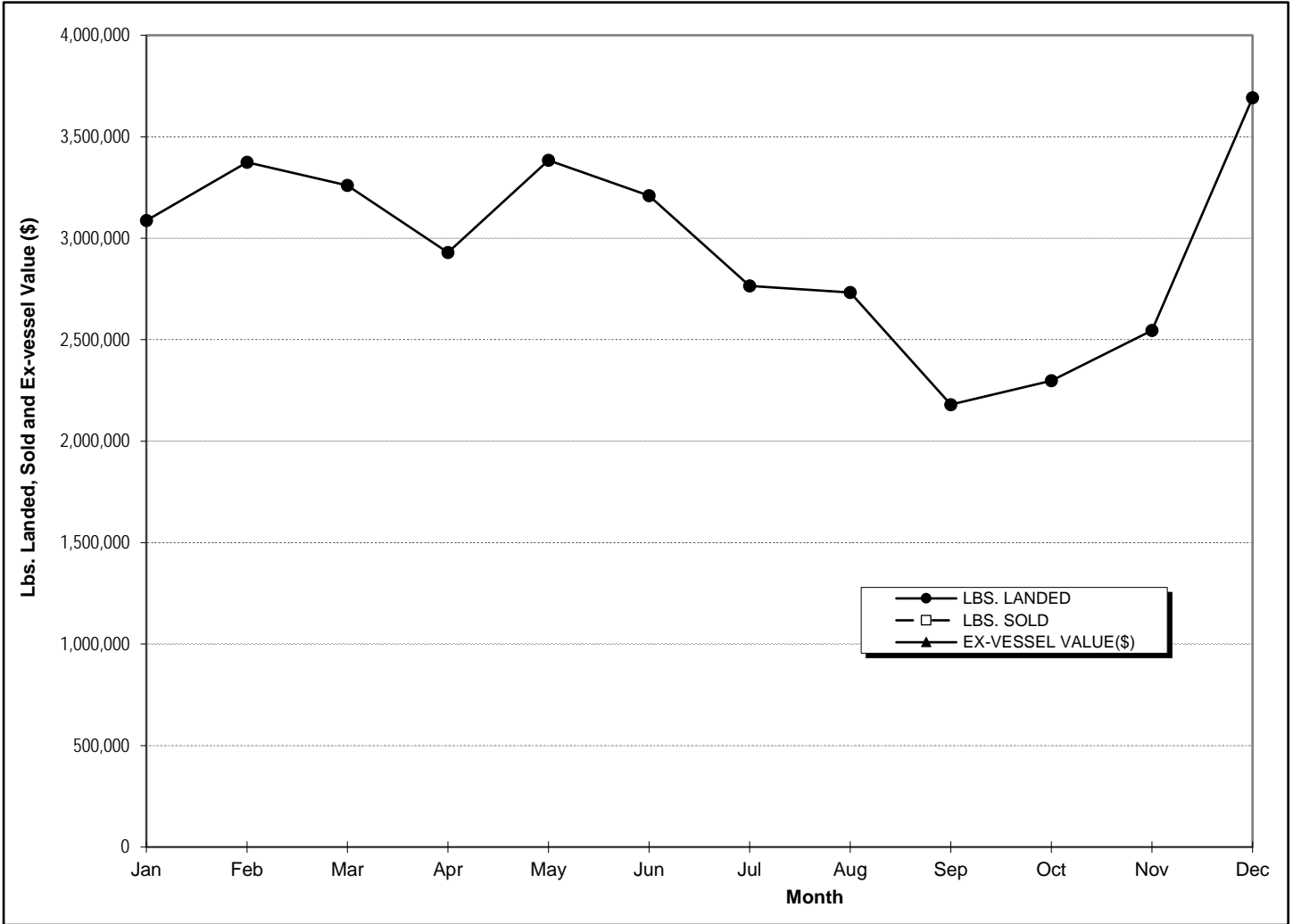
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Note: Data incomplete due to late submission and processing of fish catch records.

INTRODUCTION

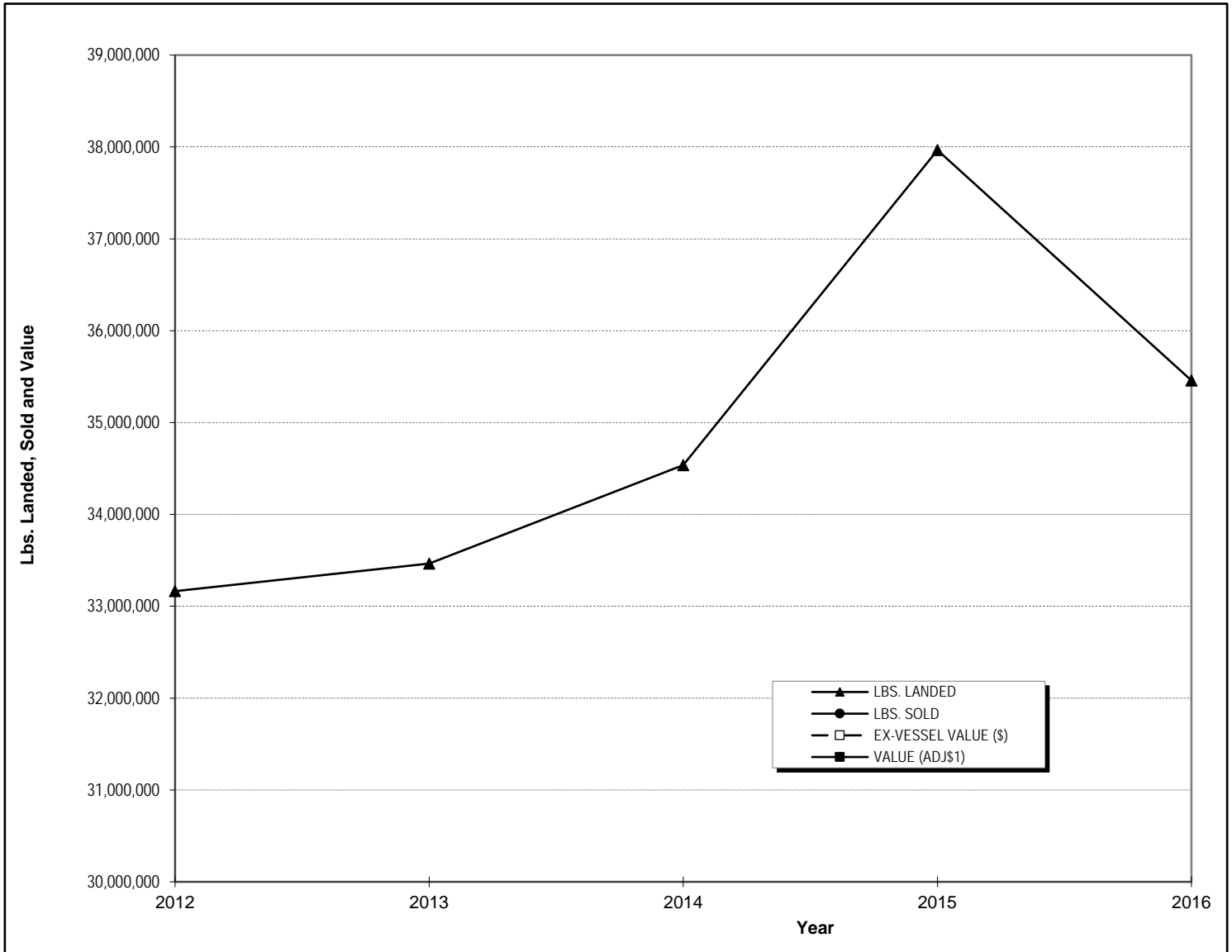
The information presented in this Commercial Marine Landing Summary Trend Report is compiled from fishing reports submitted by licensed fishermen. Commercial fishers are required to obtain commercial marine licenses and submit fishing reports to DLNR-DAR. In previous editions of these summary trend reports, including 1997 through 2001, only ex-vessel landing data (pounds sold and value of pounds sold) were reported. On October 2002, DLNR-DAR implemented new and revised commercial fishing report forms to improve the collection of fishing effort and total catch data. Since then commercial fishers no longer report ex-vessel landings on their fishing reports. The ex-vessel landing data are collected from commercial fish dealers. DLNR-DAR is in the process of integrating fishing effort and catch data from fishing report reports with ex-vessel landing data from commercial marine dealer reports. Until this process is completed, ex-vessel landing information by fisheries will not be available. Therefore, this commercial marine landings summary trend report only contains catch data or pounds landed. When the data integration process is completed, this summary trend report will be revised and the catch data will be replaced with ex-vessel value landing data.

**CHART A.1
TOTAL SEA LANDINGS ANNUAL MONTHLY TRENDS, 2016**



MONTH	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE(\$)
<i>Jan</i>	3,087,231		
<i>Feb</i>	3,374,485		
<i>Mar</i>	3,260,054		
<i>Apr</i>	2,930,106		
<i>May</i>	3,383,331		
<i>Jun</i>	3,209,613		
<i>Jul</i>	2,765,143		
<i>Aug</i>	2,732,867		
<i>Sep</i>	2,180,347		
<i>Oct</i>	2,298,348		
<i>Nov</i>	2,545,574		
<i>Dec</i>	3,691,485		
TOTAL	35,458,584		

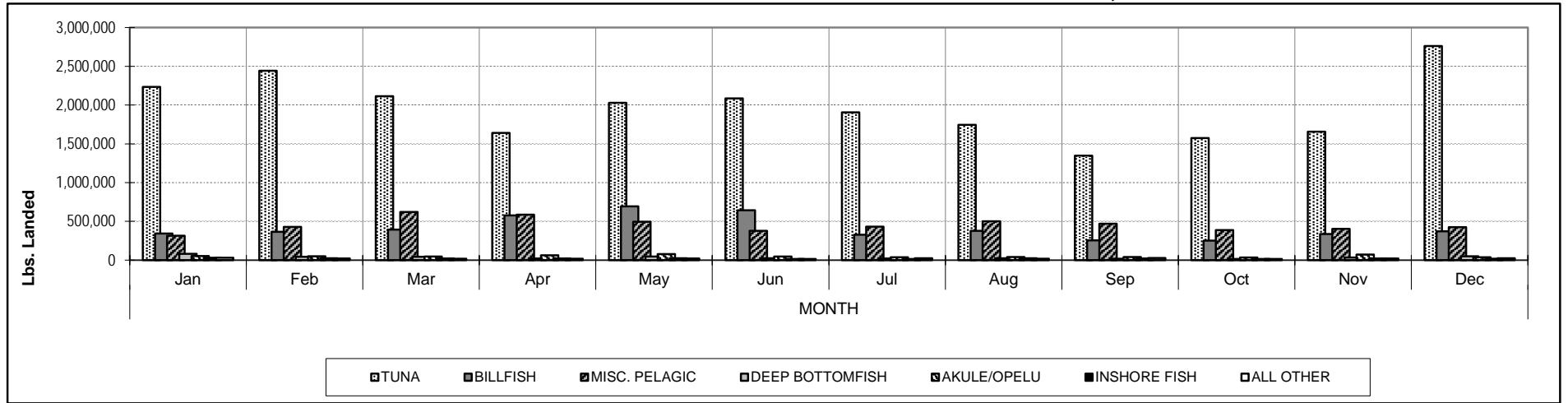
**CHART A.2
TOTAL SEA LANDINGS ANNUAL 5 - YEAR TRENDS, 2012- 2016**



YEAR	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE (\$)	HCPI¹	VALUE (ADJ\$¹)
2012	33,164,292				
2013	33,465,732				
2014	34,537,127				
2015	37,965,606				
2016	35,458,584				

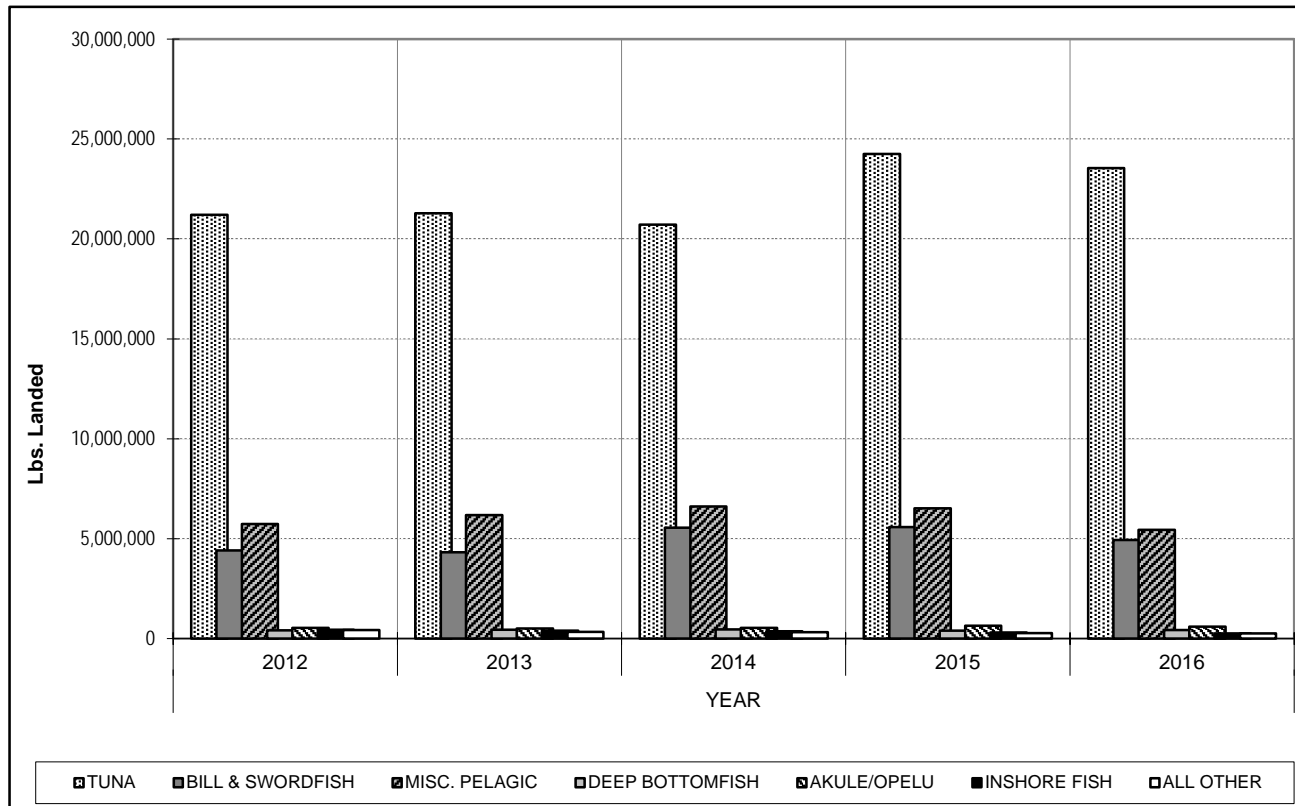
¹ Honolulu Consumer Price Index (all wage earners)

**CHART B.1
SEA LANDINGS BY SPECIES GROUP ANNUAL MONTHLY TRENDS, 2016**



Calendar Year 2016		MONTH												YEAR
SPECIES GROUP		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TUNA	Lbs. Landed	2,233,371	2,440,961	2,114,321	1,642,212	2,030,276	2,086,433	1,906,710	1,745,476	1,345,872	1,574,999	1,656,583	2,761,537	23,538,751
	Lbs. Sold													
	Ex-vessel Value (\$)													
BILLFISH	Lbs. Landed	343,718	365,433	392,391	577,158	692,291	642,172	328,635	378,180	256,322	250,519	335,736	372,989	4,935,545
	Lbs. Sold													
	Ex-vessel Value(\$)													
MISC. PELAGIC	Lbs. Landed	314,056	429,033	622,322	585,220	493,760	379,027	432,378	500,558	470,078	389,096	404,872	426,391	5,446,791
	Lbs. Sold													
	Ex-vessel Value(\$)													
DEEP BOTTOMFISH	Lbs. Landed	80,493	43,041	43,853	22,160	45,477	23,951	21,001	25,534	19,393	15,999	34,089	51,201	426,192
	Lbs. Sold													
	Ex-vessel Value (\$)													
AKULE/OPELU	Lbs. Landed	54,089	48,683	45,472	63,926	76,757	45,557	37,198	40,213	41,660	34,699	71,924	37,448	597,625
	Lbs. Sold													
	Ex-vessel Value (\$)													
INSHORE FISH	Lbs. Landed	30,902	24,886	22,660	20,233	24,675	15,945	15,690	25,261	19,942	16,375	22,161	17,981	256,712
	Lbs. Sold													
	Ex-vessel Value (\$)													
ALL OTHER	Lbs. Landed	30,602	22,447	19,034	19,195	20,094	16,528	23,531	17,645	27,080	16,661	20,209	23,938	256,967
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,087,231	3,374,485	3,260,054	2,930,106	3,383,331	3,209,613	2,765,143	2,732,867	2,180,347	2,298,348	2,545,574	3,691,485	35,458,584
	Lbs. Sold													
	Ex-vessel Value (\$)													

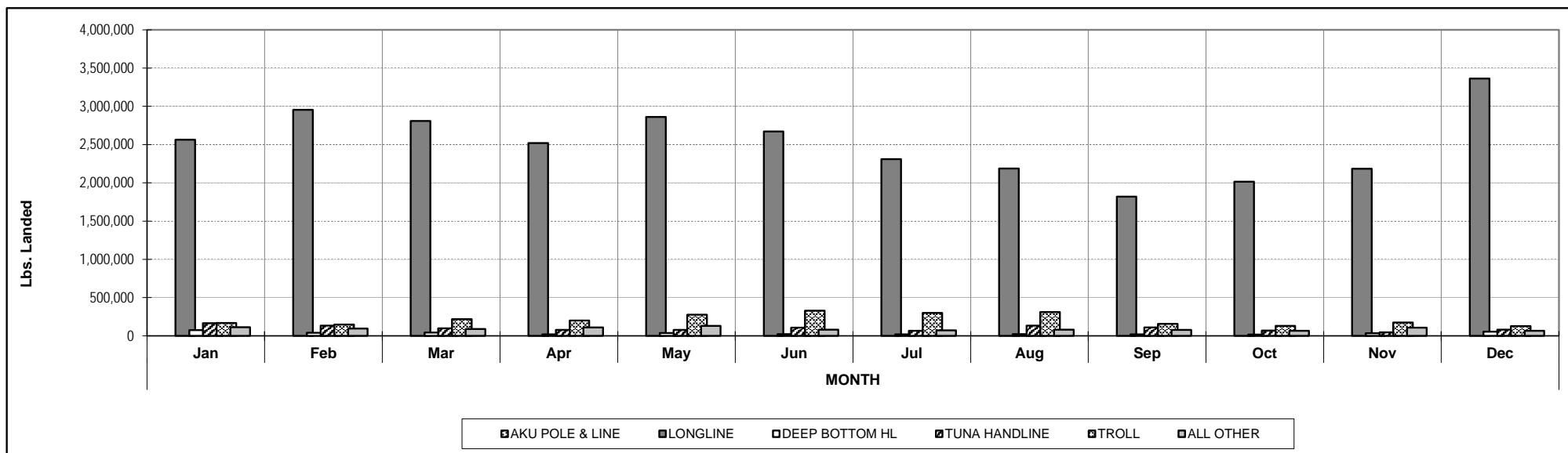
CHART B.2
SEA LANDINGS BY SPECIES GROUPS ANNUAL 5 - YEAR TRENDS, 2012 - 2016



<i>Calendar Year</i>		<i>YEAR</i>				
SPECIES GROUP		2012	2013	2014	2015	2016
TUNA	<i>Lbs. Landed</i>	21,200,521	21,277,614	20,708,112	24,250,578	23,538,751
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
BILL & SWORDFISH	<i>Lbs. Landed</i>	4,414,953	4,312,782	5,547,146	5,579,796	4,935,545
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MISC. PELAGIC	<i>Lbs. Landed</i>	5,740,923	6,181,227	6,605,328	6,520,466	5,446,791
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOMFISH	<i>Lbs. Landed</i>	414,749	448,139	454,659	397,664	426,192
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
AKULE/OPELU	<i>Lbs. Landed</i>	527,514	511,225	529,710	635,743	597,625
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
INSHORE FISH	<i>Lbs. Landed</i>	443,482	396,251	371,479	303,320	256,712
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER	<i>Lbs. Landed</i>	422,151	338,493	320,693	278,038	256,967
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	33,164,292	33,465,732	34,537,127	37,965,606	35,458,584
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

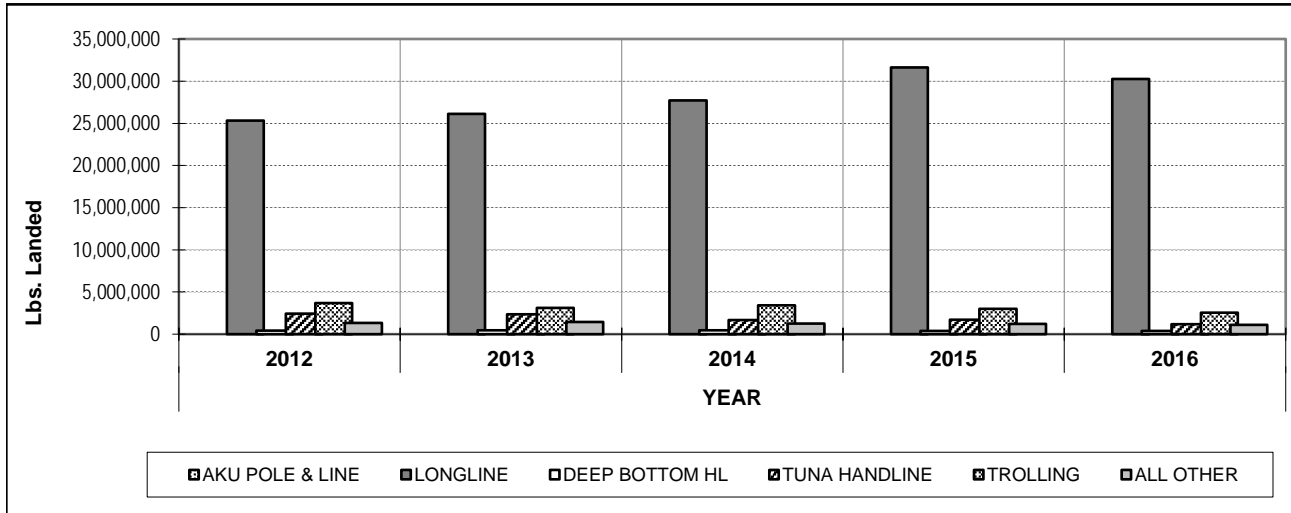
**CHART C.1
SEA LANDINGS BY FISHING METHOD ANNUAL MONTHLY TRENDS, 2016**



Calendar Year 2016		MONTH												YEAR TOTAL
METHOD		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
AKU POLE & LINE	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)													
LONGLINE	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	2,563,342	2,955,849	2,809,210	2,519,320	2,861,873	2,670,858	2,311,167	2,187,032	1,818,431	2,016,430	2,184,643	3,363,173	30,261,327
DEEP BOTTOM HL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	75,725	41,508	42,616	20,938	37,920	22,082	19,301	21,225	18,425	15,295	32,799	53,939	401,774
TUNA HANDLINE	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	166,893	133,577	99,454	79,046	77,865	107,390	64,995	132,620	109,353	69,566	46,070	79,738	1,166,568
TROLL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	168,716	149,012	218,872	201,822	275,616	327,706	298,293	310,252	157,114	130,830	174,166	127,690	2,540,086
ALL OTHER	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	112,555	94,539	89,903	108,979	130,057	81,577	71,388	81,737	77,024	66,228	107,897	66,945	1,088,829
TOTAL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	3,087,231	3,374,485	3,260,054	2,930,106	3,383,331	3,209,613	2,765,143	2,732,867	2,180,347	2,298,348	2,545,574	3,691,485	35,458,584

Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "ALL OTHER" group.

**CHART C.2
SEA LANDINGS FISHING METHOD ANNUAL 5 - YEAR TRENDS, 2012 - 2016**

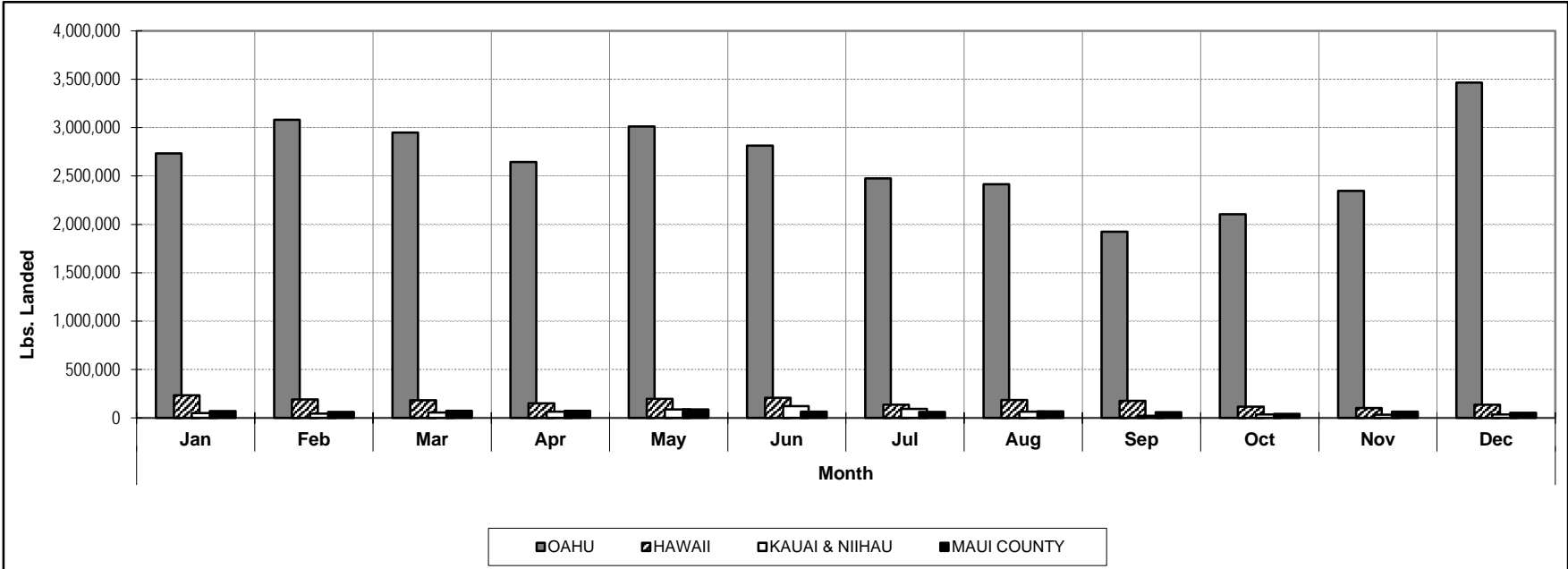


Calendar Year		YEAR				
FISHING METHOD		2012	2013	2014	2015	2016
AKU POLE & LINE	Lbs. Landed Lbs. Sold Value (Adj\$) ¹					
LONGLINE	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	25,308,091	26,118,769	27,733,747	31,612,197	30,261,327
DEEP BOTTOM HL	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	416,800	451,419	462,037	396,802	401,774
TUNA HANDLINE	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	2,422,884	2,343,255	1,659,590	1,708,763	1,166,568
TROLLING	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	3,676,734	3,117,880	3,416,304	3,015,034	2,540,086
ALL OTHER	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	1,339,784	1,434,409	1,265,450	1,232,808	1,088,829
TOTAL	Lbs. Landed Lbs. Sold Value (Adj\$) ¹	33,164,292	33,465,732	34,537,127	37,965,606	35,458,584

¹ Honolulu Consumer Price Index (all wage earners)

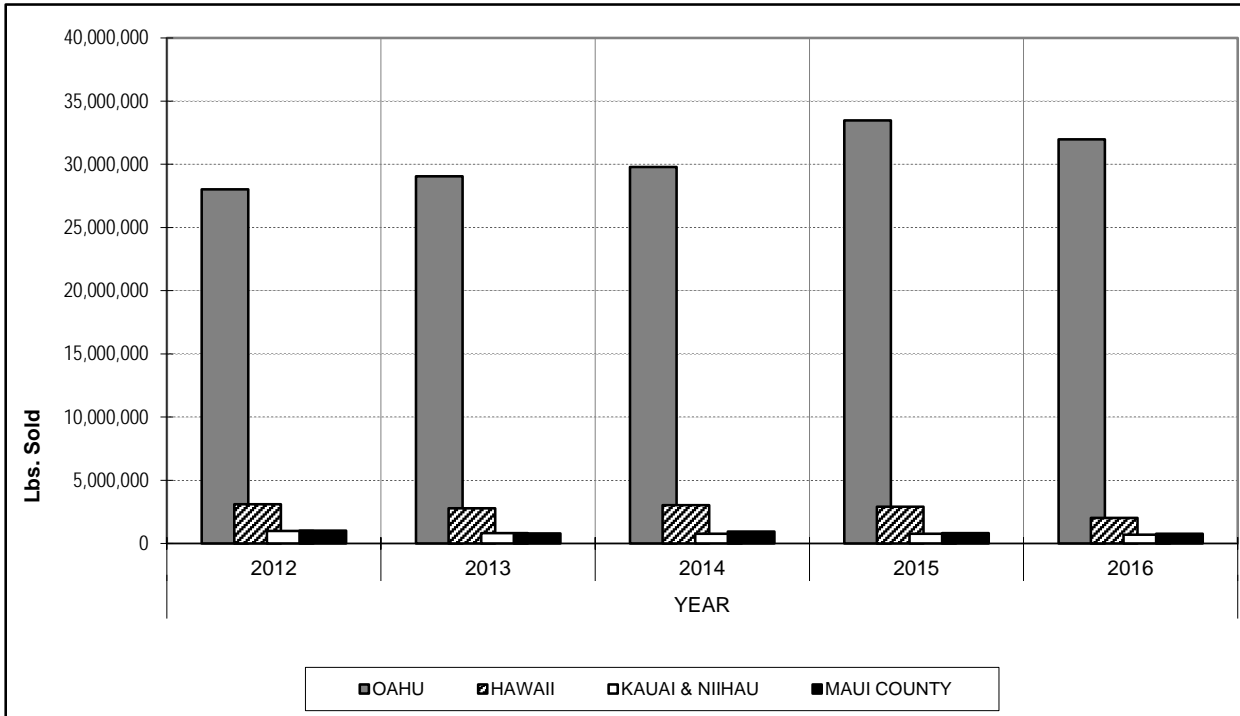
Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "ALL OTHER" group.

**CHART D.1
SEA LANDINGS BY PORT ANNUAL MONTHLY TRENDS, 2016**



Calendar Year 2016		Month												TOTAL
PORT		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
OAHU	Lbs. Landed	2,734,381	3,080,501	2,949,172	2,643,937	3,013,089	2,812,997	2,475,904	2,414,791	1,924,802	2,106,001	2,347,369	3,466,470	31,969,413
	Lbs. Sold													
	Ex-vessel Value (\$)													
HAWAII	Lbs. Landed	233,704	190,118	181,716	150,156	196,428	208,635	136,773	184,431	174,967	114,796	101,170	137,051	2,009,945
	Lbs. Sold													
	Ex-vessel Value (\$)													
KAUAI & NIIHAU	Lbs. Landed	48,942	43,775	56,230	63,230	86,145	122,990	92,396	65,260	22,691	34,779	31,466	36,235	704,139
	Lbs. Sold													
	Ex-vessel Value (\$)													
MAUI COUNTY	Lbs. Landed	70,205	60,090	72,936	72,782	87,668	64,991	60,069	68,385	57,888	42,773	65,570	51,729	775,086
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,087,231	3,374,485	3,260,054	2,930,106	3,383,331	3,209,613	2,765,143	2,732,867	2,180,347	2,298,348	2,545,574	3,691,485	35,458,584
	Lbs. Sold													
	Ex-vessel Value (\$)													

**CHART D.2
SEA LANDINGS BY PORT ANNUAL 5-YEAR TRENDS, 2012 - 2016**



Calendar Year		YEAR				
PORT		2012	2013	2014	2015	2016
OAHU	Lbs. Landed	28,030,603	29,056,872	29,789,387	33,479,596	31,969,413
	Lbs. Sold					
	Value (Adj\$) ¹					
HAWAII	Lbs. Landed	3,113,710	2,794,379	3,025,511	2,905,006	2,009,945
	Lbs. Sold					
	Value (Adj\$) ¹					
KAUAI & NIIHAU	Lbs. Landed	999,535	821,482	769,950	775,025	704,139
	Lbs. Sold					
	Value (Adj\$) ¹					
MAUI COUNTY	Lbs. Landed	1,020,444	792,999	952,280	805,979	775,086
	Lbs. Sold					
	Value (Adj\$) ¹					
TOTAL	Lbs. Landed	33,164,292	33,465,732	34,537,127	37,965,606	35,458,584
	Lbs. Sold					
	Value (Adj\$) ¹					

¹ Honolulu Consumer Price Index (all wage earners)

APPENDICES
Statistical Tables
Calendar 2016

Appendix A - Sea Landings by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
TUNAS				AKULE/OPELU			
Aku	766,544			Akule	411,676		
Bigeye	17,460,603			Hahalalu	29,805		
Bluefin	1,109			Opelu	156,107		
Kawakawa	13,134			Opelu Mama	37		
Keokeo	80			SUBTOTAL	597,625		
Tombo	597,853			JACKS			
Yellowfin	4,698,251			Barred-jack	77		
Unclassified	1,178			Butaguchi	212		
SUBTOTAL	23,538,751			Dobe	642		
BILLFISHES & SWORDFISH				Gunkan			
Black marlin	6,296			Kagami	305		
Blue marlin	1,549,986			Kamanu	5,472		
Sailfish	45,840			Lae	92		
Shortbill spearfish	783,091			No-bite			
Striped marlin	894,754			Menpachi (sasa)	231		
Swordfish	1,652,161			Omilu	5,953		
Unclassified	3,418			Paopao	66		
SUBTOTAL	4,935,545			Papa	9,507		
MISC. PELAGIC FISHES				White	8,699		
Kaku	12,763			Unclass./misc.	286		
Mahimahi	1,195,049			SUBTOTAL	31,539		
Monchong	1,057,751			INSHORE FISHES			
Ono	1,166,488			<i>Parrotfishes</i>			
Opah	1,551,434			Panuhunuhu	113		
Walū	463,306			Panunu	169		
SUBTOTAL	5,446,791			Uhu	25,973		
DEEP BOTTOMFISHES				<i>Goatfishes</i>			
Alfonsin				Kumu	2,038		
Aweoweo (Deepsea)	214			Malu	24		
Ehu	30,251			Moano	2,982		
Golden kale	145			Moana kali	1,749		
Hapuupuu	9,378			Munu	396		
Hauliuli ²	2,041			Weke nono	5,990		
Hogo	1,387			Weke pueo			
Kahala	17,556			Weke, red	35,675		
Kalekale	11,621			Weke, white	5,379		
Lehi	8,650			Weke, unclass./mic.	19		
Opakapaka	128,134			<i>Surgeonfishes</i>			
Randall snapper				Api	91		
Taape	35,213			Black kole	23		
Ukikiki (gindai)	2,202			Kala	17,721		
Uku	118,854			Kalalei	3,720		
Ulaula (onaga)	60,524			Kole	1,244		
Yellow-tail kale				Maiii			
SUBTOTAL	426,169			Maiko	2,723		
				Manini	8,798		

Due to low level of fishermen reporting and to preserve confidentiality, data for these species are pooled under their respective species group unclassified/miscellaneous or the Unclass./Misc. category.

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
INSHORE FISHES(cont.)				SHARKS			
<i>Surgeonfishes(cont.)</i>				Blue	350		
Naenae	4,454			Hammerhead			
Opelu kala	2,984			Mako	124,508		
Pakuikui	67			Oceanic whitetip			
Palani	23,879			Thresher	8,805		
Pualu	3,610			Unclass/misc	4,107		
<i>Damselfishes</i>				SUBTOTAL	137,771		
Kupipi	16			LOBSTERS			
Maomao	587			Ula, Green spiny	4,530		
<i>Squirrelfishes</i>				Ula, Red spiny			
Alaihi	149			Haanii (slipper)	153		
Pauu				Squammosus	31		
Uu	51,285			Slipper (unclass./misc.)			
Uukanipo	15			SUBTOTAL	4,714		
<i>Wrasses</i>				CRABS			
Aawa	3,638			Aama			
Hilu				Kona	1,276		
Hinalea				Kuahonu			
Kupoupou				Samoan	2,099		
Laenihi	3,797			Crab (unclass./misc.)	23,178		
Poou	76			SUBTOTAL	26,552		
Unclass./misc.	73			SHRIMP			
<i>Miscellaneous Inshore Fishes</i>				Ensifer			
Ahaaha	386			Laevigatus	17,108		
Aholehole	2,042			SUBTOTAL	17,108		
Amaama	2,745			OTHER ANIMALS			
Awa	448			Hee (day tako)	22,434		
Awaawa	337			Hee (night tako)			
Aweoweo	5,717			He'e (unclass./misc.)	195		
Gold spot herring				Muhee (squid)	1,507		
Hihimanu				Opihi makaiauli	1,787		
Humuhumu	577			Opihi 'alina	7,219		
Iao				Opihi (unclass./misc.)			
Iheihe	76			Ha'uke'uke			
Kawelea	1,632			Slate pencil urchins			
Loulu	223			SUBTOTAL	33,142		
Makiawa				SHELLS			
Moi	534				na		
Mu	2,274			SUBTOTAL	---		
Nenu	9,982			SEAWEEDS			
Nohu	883			Limu kohu	4,341		
Nunu	141			Limu wawaeiole			
Oio	5,537			SUBTOTAL	4,341		
Oopuhue				CORALS			
Pakii				Black			
Poopaa	791			SUBTOTAL	---		
Puhi (brown)	464			Unclass./misc.	8,809		
Puhi (white)	78			TOTAL	35,458,584		
Puhi (misc.)	178						
Roi	1,871						
Summer mullet	477						
Tilapia							
Toau	2,566						
Uouoa	275						
Upapalu							
Wahanui	36						
SUBTOTAL	249,725						

Appendix B - Sea Landings by Fishing Method

FISHING METHOD	LBS. LANDED	LBS. SOLD	VALUE(\$)
Aku pole & line			
Longline	30,261,327		
Deepbottom handline	401,774		
Inshore handline	195,192		
Tuna handline	1,166,568		
Other handline	2,751		
Trolling	2,540,086		
Diving	97,486		
Net	575,051		
Trap	56,953		
Rod & reel (casting, dunking, etc.)	145,116		
Handpick (limu & opihi)	14,313		
Unclass./Misc.	1,966		
TOTAL	35,458,584		

Appendix C - Sea Landings by Island

ISLAND	LBS. LANDED	LBS. SOLD	VALUE(\$)
Oahu	31,969,413		
Hawaii	2,009,945		
Maui	740,223		
Kauai & Niihau	704,139		
Molokai	26,088		
Lanai	8,775		
STATE TOTAL	35,458,584		

Appendix D - Sea Landings by Area Fished

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Main Hawaiian Islands (refer to Fisheries Chart No. 1)			
Kaula (508,528)	73,534		
Kaulakahi Channel (521,525)	36,940		
Niihau (505-506,526,527)	34,381		
Makahuena Pt. - Kekaha (500,520)	224,754		
Barking Sands - Na Pali Coast (501-502,522)	30,985		
Hanalei - Moloa'a Bay (503,523)	38,870		
Anahola - Nawiliwili (504,524)	253,441		
Sand Is. - Ala Wai (400,420)	33,489		
Pearl Harbor - Barbers Pt. (401,421)	180,371		
Barbers Pt. - Kaena Pt. (402-403,422-423)	391,266		
Kaena Pt. - Kahuku (404-405,424-425)	326,010		
Laie Pt. - Kahana Bay (406-426)	105,271		
Kaneohe Bay (407,427)	132,286		
Kailua Bay - Makapuu Pt. (408,428)	59,624		
Makapuu Pt. - Diamond Head (409)	43,361		

Appendix D - Sea Landings by Area Fished (cont.)

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Kawai (Molokai) Channel (332,429)	14,649		
Penguin Bank (331)	107,115		
Kealaikahiki Channel (327)	66,483		
Alenuihaha Channel (324-325)	113,718		
Auau, Kalohi & Pailolo Channels (321)	29,462		
Alalakeiki Channel (320)	63,530		
Molokai (310-314,333)	24,108		
Lanai (308-309,328)	58,677		
Kahoolawe (306-307,326)	4,168		
Makena - Hana (304-305)	18,377		
Hana - Kahului (302-303,322-323)	127,431		
Honolua - Lahaina (301)	15,278		
Lahaina - Makena (300)	151,356		
Milolii - South Pt. (100,108,120,128)	169,620		
Punaluu - Kalapana (107,127)	90,919		
Kona Coast (101,121)	732,912		
Keahole - Kawaihae (102,122)	165,798		
Kohala - Hamakua Coast (103-104,123-124)	56,972		
Hilo (105,125)	249,540		
Puna - Kalapana (106,126)	259,408		
Other (all other area codes from Fisheries Chart No. 1 not listed above)	291,569		
SUBTOTAL	4,775,673		

**Northwestern Hawaiian Islands offshore
- 200 mile EEZ****(refer to Fisheries Chart No. 2)**Other (all other areas codes from Fisheries Chart No. 2
not listed above)**SUBTOTAL**

Other areas (not in Fisheries Charts 1 & 2)

(other mid-ocean and missing area fished codes) 30,682,910

TOTAL 35,458,584

Due to low level of fishermen reporting and to preserve confidentiality, data for these fishing methods and areas pooled under their respective group totals.

Appendix E - FAD Catches by Island and species

Hawaii FADs

<i>SPECIES</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>HK</i>	<i>KH</i>	<i>OTEC</i>	<i>RN</i>	<i>SS</i>	<i>TT</i>	<i>UU</i>	<i>VV</i>	<i>XX</i>	<i>ZZ</i>
Aku	--	460	321	--	573	1,167	--	3,836	--	--	--	--	1,833	984	690	--	--
Bigeye	--	1,165	--	--	--	694	--	--	--	--	--	--	2,338	1,499	295	--	--
Kawakawa	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Keokeo	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tombo	--	819	1,126	--	--	--	--	--	--	--	--	--	140	1,189	20,374	--	--
Yellowfin	--	8,993	15,432	4,611	2,068	9,305	--	12,626	11,774	--	757	--	22,500	15,771	10,013	--	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	--	--	2,473	--	--	1,461	--	1,211	--	--	--	--	720	796	3,455	--	--
Shortbill spearfish	--	--	--	--	--	111	--	--	--	--	--	--	252	--	--	--	--
Striped marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Swordfish	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mahimahi	--	344	1,532	--	3,581	604	--	13,808	617	--	--	--	1,442	1,188	501	--	--
Ono	--	620	442	--	243	--	--	1,424	556	--	840	--	1,364	548	604	--	--
Walu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Uku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Akule	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
White ulua	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kawalea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thresher	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Squid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	--	465	925	--	553	392	--	393	--	--	--	--	105	165	994	--	--
TOTAL	--	12,865	22,308	4,611	7,019	13,732	--	33,297	12,947	--	1,597	--	30,694	22,139	36,925	--	--

Oahu FADs

<i>SPECIES</i>	<i>J</i>	<i>P</i>	<i>R</i>	<i>S</i>	<i>T</i>	<i>U</i>	<i>V</i>	<i>X</i>	<i>BO</i>	<i>CO</i>	<i>HH</i>	<i>II</i>	<i>LL</i>	<i>MM</i>
Aku	3,312	427	1,856	3,764	490	2,046	400	5,306	2,803	1,146	1,526	5,706	10,930	6,280
Bigeye	--	--	--	--	--	--	--	--	--	--	--	--	1,395	419
Kawakawa	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Yellowfin	2,895	912	2,753	8,050	837	1,502	--	11,775	6,784	7,872	1,535	13,717	19,977	3,133
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Black marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	1,343	--	16,024	11,507	208	981	--	1,722	4,386	6,497	3,090	1,597	1,787	--
Sailfish	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	141	330	--	--	--	--	414	--	--	159	136	155
Striped marlin	--	--	604	1,027	--	--	--	--	1,472	--	--	--	168	--
Kaku	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mahimahi	3,479	2,898	2,981	2,011	1,839	2,472	--	5,667	3,337	6,004	1,318	6,205	8,215	10,295
Ono	372	342	182	261	205	360	--	664	846	214	218	518	915	463
Kahala	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Akule	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--	--	--	--	--	--
White ulua	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shark (Misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	--	943	279	343	128	122	726	256	292	206	--	631	410	377
TOTAL	11,401	5,522	24,821	27,293	3,707	7,483	1,126	25,390	20,334	21,939	7,687	28,532	43,933	21,122

Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by species are not listed.

Maui, Kahoolawe, Lanai, and Molokai FADs

<i>SPECIES</i>	<i>K</i>	<i>M</i>	<i>N</i>	<i>Q</i>	<i>CC</i>	<i>DD</i>	<i>FF</i>	<i>GG</i>	<i>HO</i>	<i>HS</i>	<i>JJ</i>	<i>LA</i>	<i>MC</i>	<i>NL</i>	<i>SO</i>
Aku	--	738	--	--	--	--	--	1,759	727	--	--	--	1,081	3,176	--
Bigeye	--	4,269	--	--	--	--	--	1,021	1,063	--	--	--	557	2,479	--
Kawakawa	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Yellowfin	--	9,837	--	--	--	--	--	6,285	4,245	--	--	--	3,069	18,254	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	551	--
Shortbill spearfish	--	--	--	--	--	--	--	105	--	--	--	--	--	157	--
Striped marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mahimahi	--	6,595	193	--	--	--	--	2,644	3,638	--	728	--	3,092	13,320	--
Ono	--	209	--	--	--	--	--	1,996	400	--	300	--	--	1,906	--
Uku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	83	--	--	--	--	--	--	--
White ulua	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	--	--	395	--	--	--	--	1,175	--	--	--	--	584	117	--
TOTAL	--	21,648	588	--	--	--	--	15,067	10,074	--	1,028	--	8,382	39,958	--

Kauai FADs

<i>SPECIES</i>	<i>Z</i>	<i>AA</i>	<i>BB</i>	<i>CK</i>	<i>DK</i>	<i>EK</i>	<i>KK</i>	<i>PP</i>	<i>WK</i>
Aku	--	--	--	--	--	--	--	860	2,955
Bigeye	--	--	--	--	--	--	--	--	--
Kawakawa	--	--	--	--	--	--	--	--	--
Tombo	--	--	--	--	--	--	--	--	--
Yellowfin	8,242	2,458	5,397	3,671	10,713	2,407	22,136	36,782	10,436
Black marlin	--	--	--	--	--	--	--	--	--
Blue marlin	767	--	--	1,968	--	--	--	2,088	1,961
Sailfish	--	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--	--	171	182
Striped marlin	--	--	--	--	--	--	--	--	--
Swordfish	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--
Mahimahi	843	240	492	899	217	--	--	1,918	1,076
Ono	216	--	--	1,067	709	252	786	745	588
Uku	--	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--
White papio	--	--	--	--	--	--	--	--	--
Squid	--	--	--	--	--	--	--	--	--
Unclass./Misc.	141	309	538	1,328	642	--	463	322	235
TOTAL	10,209	3,007	6,427	8,933	12,281	2,659	23,385	42,885	17,433

Other FADs

<i>SPECIES</i>	<i>MO</i>	<i>W1</i>	<i>W2</i>	<i>W3</i>	<i>W4</i>	<i>W8</i>
Aku	1,491	--	--	--	--	--
Bigeye	--	--	--	--	--	--
Kawakawa	--	--	--	--	--	--
Yellowfin	5,442	--	--	--	--	**
Blue marlin	250	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--
Kaku	--	--	--	--	--	--
Mahimahi	4,507	--	--	--	--	--
Ono	401	--	--	--	--	--
Uku	--	--	--	--	--	--
Walu	--	--	--	--	--	--
Ulua (misc.)	--	--	--	--	--	--
Unclass./Misc.	358	--	--	--	--	--
TOTAL	12,451	--	--	--	--	**

Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by species are not listed.

Appendix F - FAD Catches by Island, FAD and Fishing Trip Count

Island	FAD	Location	# Mon. on Station	Fishing Method													
				Trolling			Tuna Handline			Aku boat			Other				
				Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip		
<i>Hawaii</i>	A	South Pt.	0.0														
	B	Miloli'i	12.0	3,023	34	88.9	9,545	60	159.1				344	5	68.7		
	C	Loa Pt.	7.9	7,697	62	124.1	14,611	68	214.9								
	D	Kumukahi	3.2	1,617	6	269.5											
	E	Leleiwi	3.2	4,893	32	152.9							1,918	22	87.2		
	F	Kailua-Kona	3.0	5,112	48	106.5	8,565	43	199.2								
	G	Pepe'ekeo	0.0														
	HK	Hakalau	7.8	25,244	92	274.4	4,466	21	212.7								
	KH	Kahena	4.3	3,550	13	273.1											
	OT	Waikoloa Pt.	0.4														
	RN	Palima Pt.	7.9	1,732	10	173.2											
	SS	Apua Pt.	0.0														
	TT	Kanewa'a	12.0	9,222	77	119.8	20,809	94	221.4				663	9	73.7		
	UU	Auau	12.0	4,243	40	106.1	17,494	78	224.3				461	9	51.2		
	VV	Kahalu'u	7.9	6,768	61	111.0	28,857	148	195.0				1,313	10	131.3		
XX	Puako	0.0															
ZZ	Waima Pt.	0.0															
<i>Oahu</i>	J	Waiale'e	8.8	11,451	55	208.2											
	P	Penguin Banks	9.3	5,522	32	172.6											
	R	Makaha	12.0	24,611	171	143.9											
	S	Pokai Bay	12.0	23,949	147	162.9							2,288	18	127.1		
	T	Makapu'u	9.0	3,707	37	100.2											
	U	Kane'ohe	9.1	7,483	50	149.7											
	V	Makua	8.8	818	12	68.2							324	4	81.0		
	X	Kahuku	8.8	25,390	116	218.9											
	BO	Barbers Pt.	7.1	18,754	199	94.2							533	4	133.3		
	CO	Ka'ena Pt.	7.7	21,939	104	210.9											
	HH	Pearl Harbor	9.4	6,768	56	120.9											
	II	Hale'iwa	8.8	27,947	142	196.8							585	3	195.0		
	LL	Hau'ula	11.8	42,881	222	193.2							718	5	143.6		
MM	Mokapu Pt.	10.2	19,758	100	197.6												

Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by fishing methods are not listed.

Island	FAD	Location	# Mon. on Station	Fishing Method												
				Trolling			Tuna Handline			Aku boat			Other			
				Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip	Lbs.	# Trips	Lbs./ Trip	
<i>Maui County</i>	K	Palaoa	0.0													
	M	Hana Bay	5.0	20,674	69	299.6										
	N	Cape Halawa	8.3	588	5	117.7										
	Q	Pauwela Pt.	1.2													
	CC	Ka'ena Pt.	6.5													
	DD	Opana Pt.	3.8													
	FF	Pukaulua Pt.	0.4													
	GG	Nakaohu Pt.	11.7	14,159	102	138.8										
	HO	Ho'olawa Pt.	4.8	10,296	47	219.1										
	HS	Halona	0.0													
	JJ	Kamohio	9.3	1,527	11	138.8										
	LA	Lahaina	0.0													
	MC	Palaoa	9.3	7,368	53	139.0										
	NL	Nu'u	12.0	31,178	171	182.3							8,680	13	667.7	
SO	Kahoolawe	0.0														
<i>Kauai</i>	Z	Kipukai	7.6	8,278	40	207.0										
	AA	Port Allen	7.6	2,952	21	140.6										
	BB	Moloa'a	7.7	2,349	22	106.8	4,078	8	509.8							
	CK	Makahu'ena Pt.	12.0	8,893	71	125.3										
	DK	Anahola	7.7	7,542	34	221.8	4,739	6	789.8							
	EK	Hanalei	6.9	3,064	18	170.2										
	KK	Waimea	7.6	23,205	43	539.6										
	PP	Koloa	12.0	24,410	171	142.7	16,901	51	331.4				1,575	25	63.0	
	WK	Wailua	6.5	14,657	148	99.0	2,171	4	542.6				605	12	50.4	

Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by fishing methods are not listed.