

COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT

CALENDAR YEAR 2015



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

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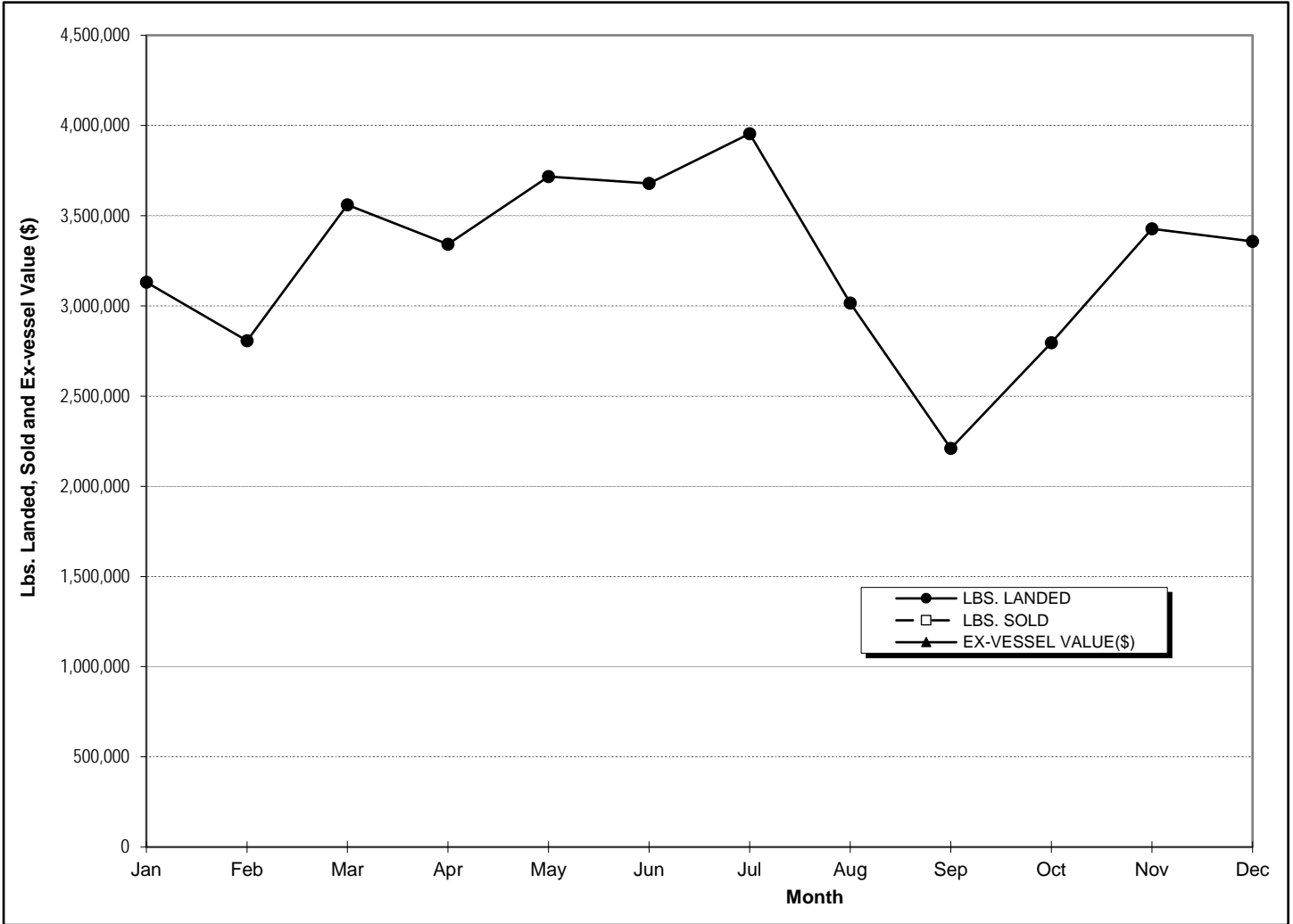
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Note: Data incomplete due to late submission and processing of fish catch records.

INTRODUCTION

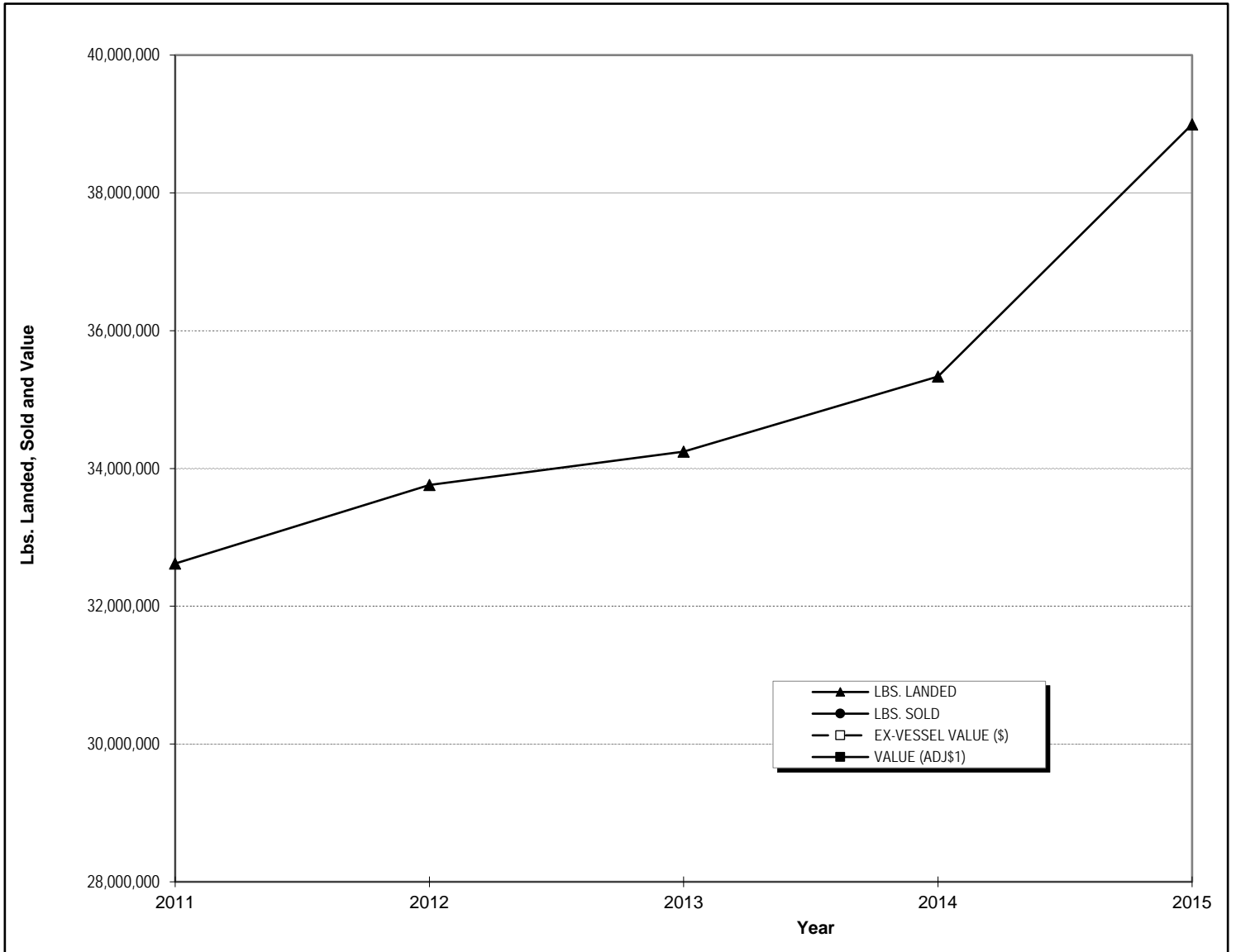
The information presented in this Commercial Marine Landing Summary Trend Report is compiled from fishing reports submitted by licensed fishermen. Commercial fishers are required to obtain commercial marine licenses and submit fishing reports to DLNR-DAR. In previous editions of these summary trend reports, 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, 2015**



MONTH	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE(\$)
<i>Jan</i>	3,130,822		
<i>Feb</i>	2,806,020		
<i>Mar</i>	3,560,866		
<i>Apr</i>	3,341,695		
<i>May</i>	3,717,487		
<i>Jun</i>	3,678,283		
<i>Jul</i>	3,954,460		
<i>Aug</i>	3,016,100		
<i>Sep</i>	2,209,724		
<i>Oct</i>	2,795,409		
<i>Nov</i>	3,426,753		
<i>Dec</i>	3,357,454		
TOTAL	38,995,073		

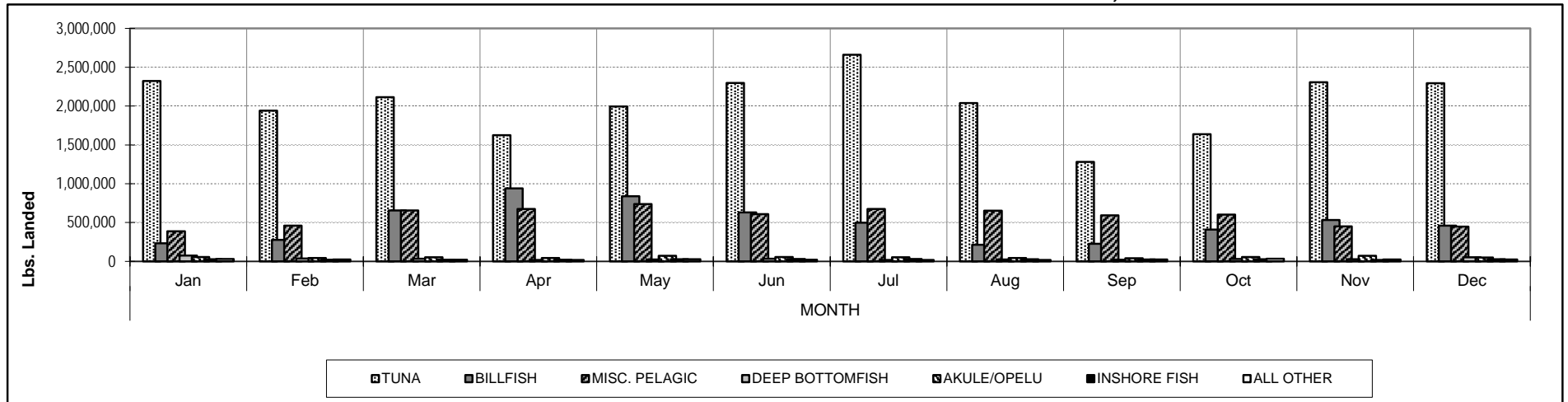
**CHART A.2
TOTAL SEA LANDINGS ANNUAL 5 - YEAR TRENDS, 2011- 2015**



YEAR	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE (\$)	HCPI¹	VALUE (ADJ\$¹)
2011	32,619,577				
2012	33,758,353				
2013	34,242,994				
2014	35,333,461				
2015	38,995,073				

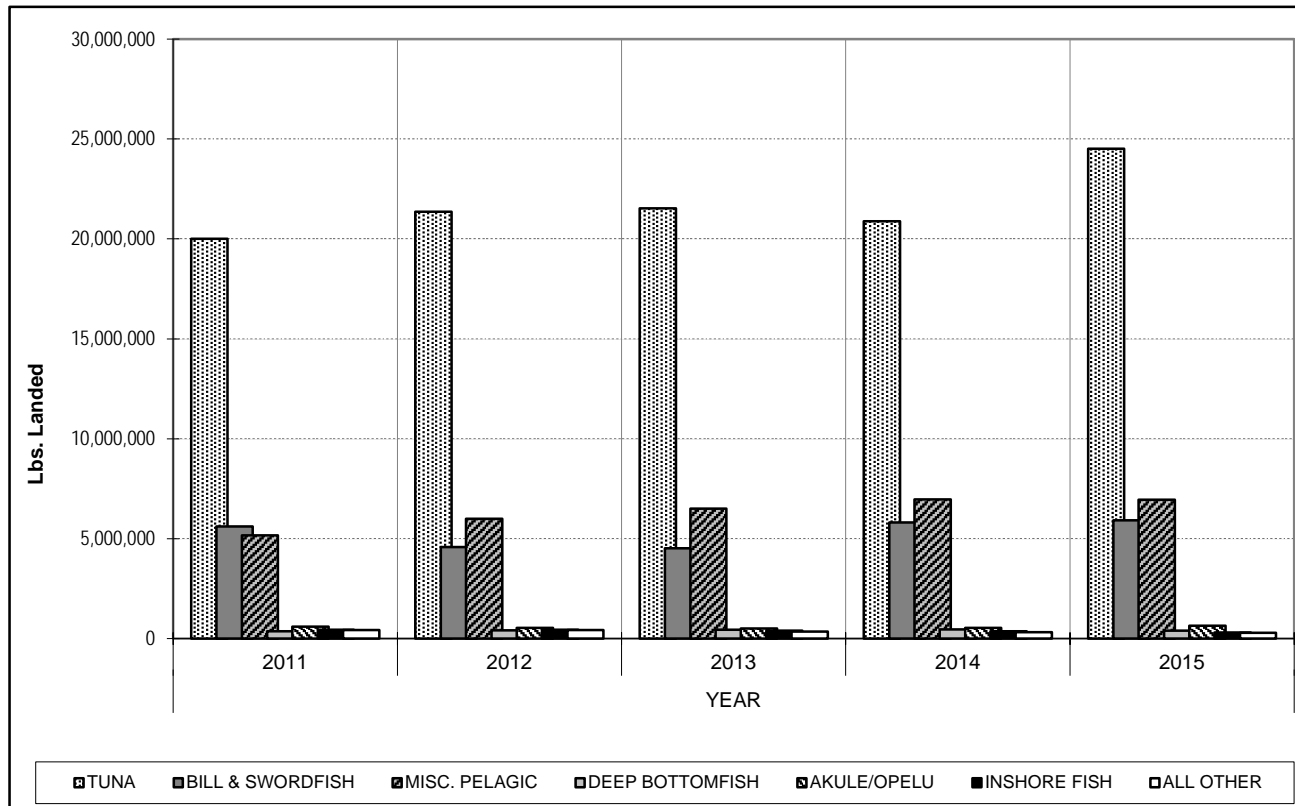
¹ Honolulu Consumer Price Index (all wage earners)

**CHART B.1
SEA LANDINGS BY SPECIES GROUP ANNUAL MONTHLY TRENDS, 2015**



Calendar Year 2015		MONTH												YEAR
SPECIES GROUP		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TUNA	Lbs. Landed	2,323,982	1,941,546	2,115,556	1,626,011	1,993,491	2,298,389	2,660,375	2,038,476	1,280,643	1,636,066	2,307,152	2,293,203	24,514,890
	Lbs. Sold													
	Ex-vessel Value (\$)													
BILLFISH	Lbs. Landed	234,358	277,603	656,531	940,185	837,431	629,162	497,447	213,741	227,070	410,432	532,945	460,039	5,916,944
	Lbs. Sold													
	Ex-vessel Value(\$)													
MISC. PELAGIC	Lbs. Landed	386,465	459,626	655,395	674,539	737,198	608,963	675,881	651,997	592,157	602,853	449,256	446,872	6,941,202
	Lbs. Sold													
	Ex-vessel Value(\$)													
DEEP BOTTOMFISH	Lbs. Landed	75,183	37,093	35,456	18,694	25,754	33,066	17,727	24,325	22,208	29,362	26,401	52,879	398,148
	Lbs. Sold													
	Ex-vessel Value (\$)													
AKULE/OPELU	Lbs. Landed	54,942	45,098	53,378	43,642	70,583	56,578	53,615	42,015	38,904	55,583	70,399	51,095	635,832
	Lbs. Sold													
	Ex-vessel Value (\$)													
INSHORE FISH	Lbs. Landed	26,486	20,755	22,378	21,492	26,382	31,209	30,562	27,403	25,282	27,742	16,816	27,427	303,934
	Lbs. Sold													
	Ex-vessel Value (\$)													
ALL OTHER	Lbs. Landed	29,406	24,299	22,172	17,132	26,648	20,916	18,853	18,143	23,460	33,371	23,784	25,939	284,123
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,130,822	2,806,020	3,560,866	3,341,695	3,717,487	3,678,283	3,954,460	3,016,100	2,209,724	2,795,409	3,426,753	3,357,454	38,995,073
	Lbs. Sold													
	Ex-vessel Value (\$)													

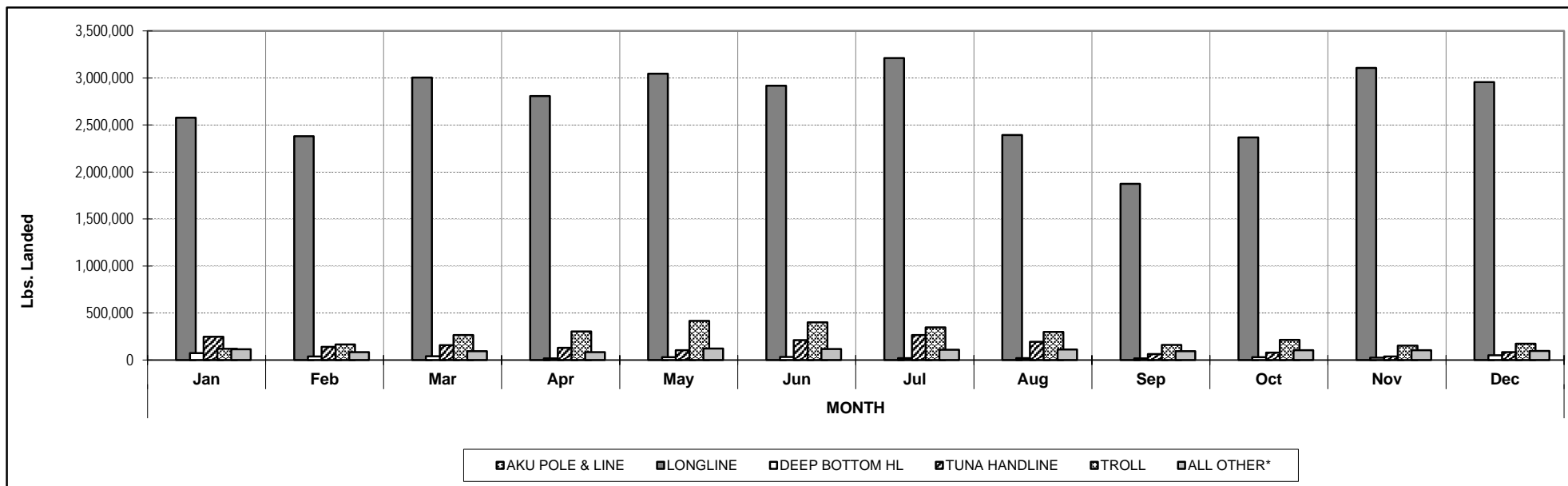
**CHART B.2
SEA LANDINGS BY SPECIES GROUPS ANNUAL 5 - YEAR TRENDS, 2011 - 2015**



<i>Calendar Year</i>		<i>YEAR</i>				
<i>SPECIES GROUP</i>		<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>
TUNA	<i>Lbs. Landed</i>	20,012,678	21,356,968	21,533,748	20,878,481	24,514,890
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
BILL & SWORDFISH	<i>Lbs. Landed</i>	5,604,984	4,584,710	4,512,507	5,816,558	5,916,944
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MISC. PELAGIC	<i>Lbs. Landed</i>	5,167,825	6,000,558	6,495,491	6,956,500	6,941,202
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOMFISH	<i>Lbs. Landed</i>	370,370	415,313	448,939	455,211	398,148
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
AKULE/OPELU	<i>Lbs. Landed</i>	599,811	527,667	511,328	529,800	635,832
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
INSHORE FISH	<i>Lbs. Landed</i>	438,423	444,724	397,320	371,933	303,934
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER	<i>Lbs. Landed</i>	425,486	428,413	343,661	324,978	284,123
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	32,619,577	33,758,353	34,242,994	35,333,461	38,995,073
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

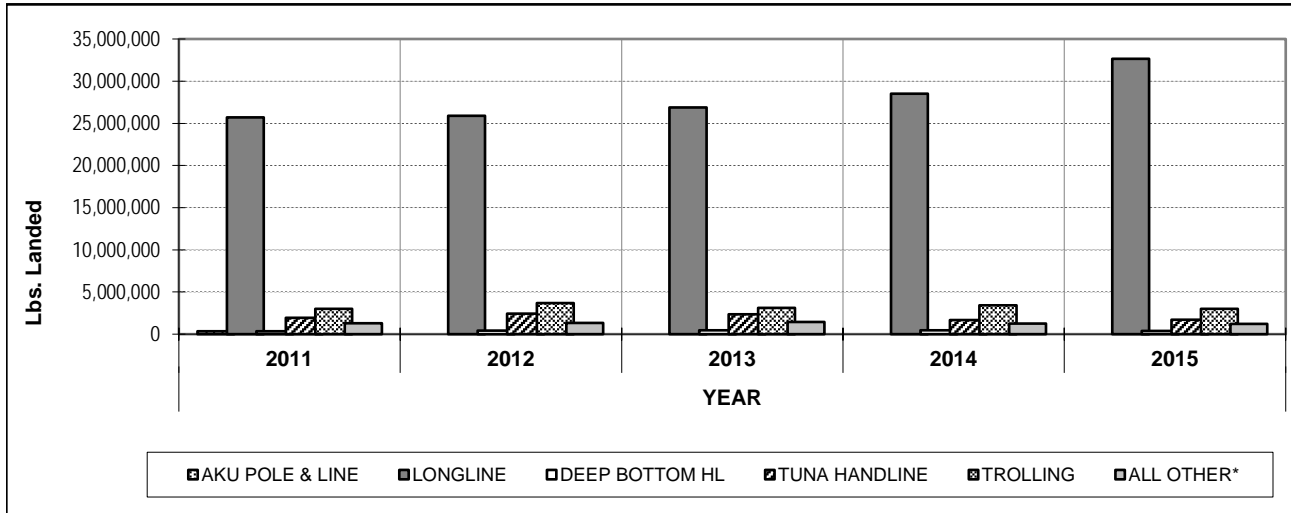
**CHART C.1
SEA LANDINGS BY FISHING METHOD ANNUAL MONTHLY TRENDS, 2015**



Calendar Year 2015		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 (\$)	2,576,061	2,378,858	3,004,825	2,806,120	3,044,371	2,917,367	3,212,176	2,393,785	1,873,248	2,367,037	3,106,605	2,955,221	32,635,674
DEEP BOTTOM HL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	74,204	38,860	39,319	18,618	31,125	32,131	19,943	18,991	16,720	31,306	25,838	50,190	397,245
TUNA HANDLINE	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	246,680	140,396	157,787	129,722	104,582	211,166	264,404	192,562	64,658	78,617	37,342	83,829	1,711,745
TROLL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	119,754	165,263	265,310	302,651	415,782	401,633	348,220	297,649	161,256	213,203	153,202	172,801	3,016,724
ALL OTHER*	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	114,123	82,643	93,625	84,584	121,627	115,986	109,717	113,113	93,842	105,246	103,766	95,413	1,233,685
TOTAL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	3,130,822	2,806,020	3,560,866	3,341,695	3,717,487	3,678,283	3,954,460	3,016,100	2,209,724	2,795,409	3,426,753	3,357,454	38,995,073

* 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, 2011 - 2015**

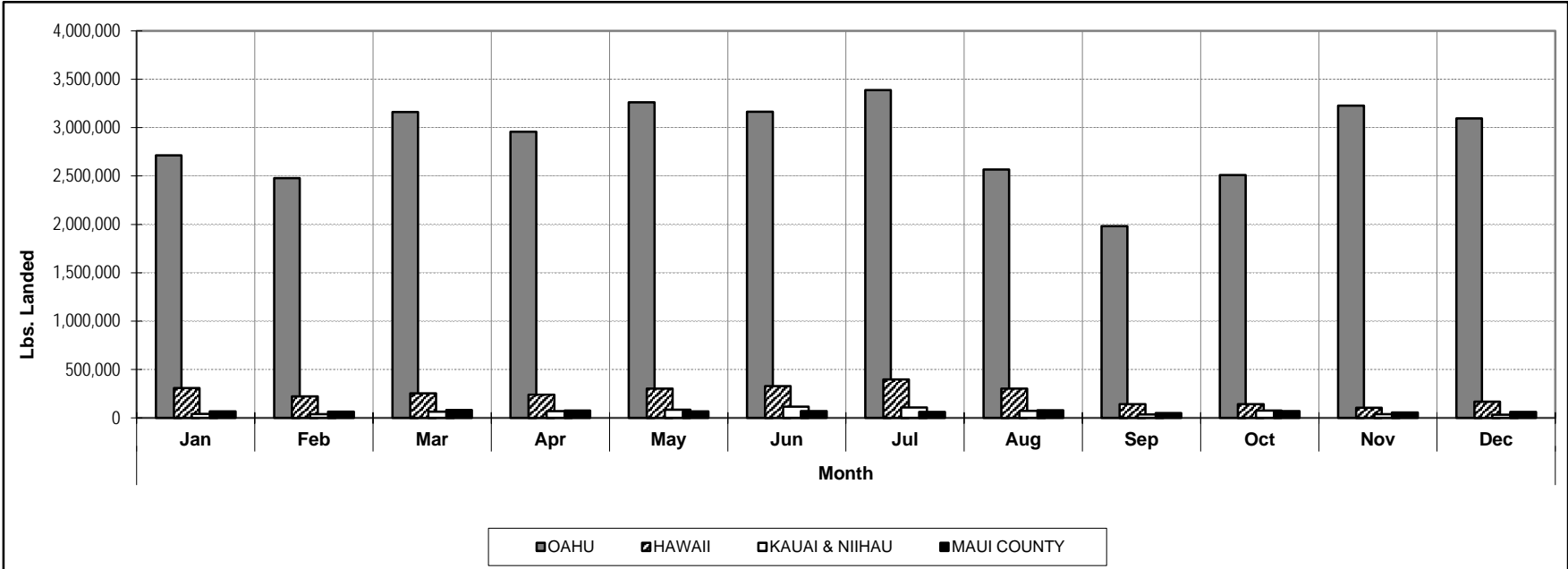


<i>Calendar Year</i>		<i>YEAR</i>				
FISHING METHOD		2011	2012	2013	2014	2015
AKU POLE & LINE	<i>Lbs. Landed</i>	347,898	*	*	*	*
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
LONGLINE	<i>Lbs. Landed</i>	25,715,917	25,889,528	26,886,570	28,520,737	32,635,674
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOM HL	<i>Lbs. Landed</i>	336,322	417,387	452,171	462,478	397,245
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TUNA HANDLINE	<i>Lbs. Landed</i>	1,946,497	2,430,168	2,348,347	1,664,828	1,711,745
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TROLLING	<i>Lbs. Landed</i>	2,994,986	3,679,889	3,120,109	3,419,139	3,016,724
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER*	<i>Lbs. Landed</i>	1,277,957	1,341,381	1,435,797	1,266,279	1,233,685
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	32,619,577	33,758,353	34,242,994	35,333,461	38,995,073
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

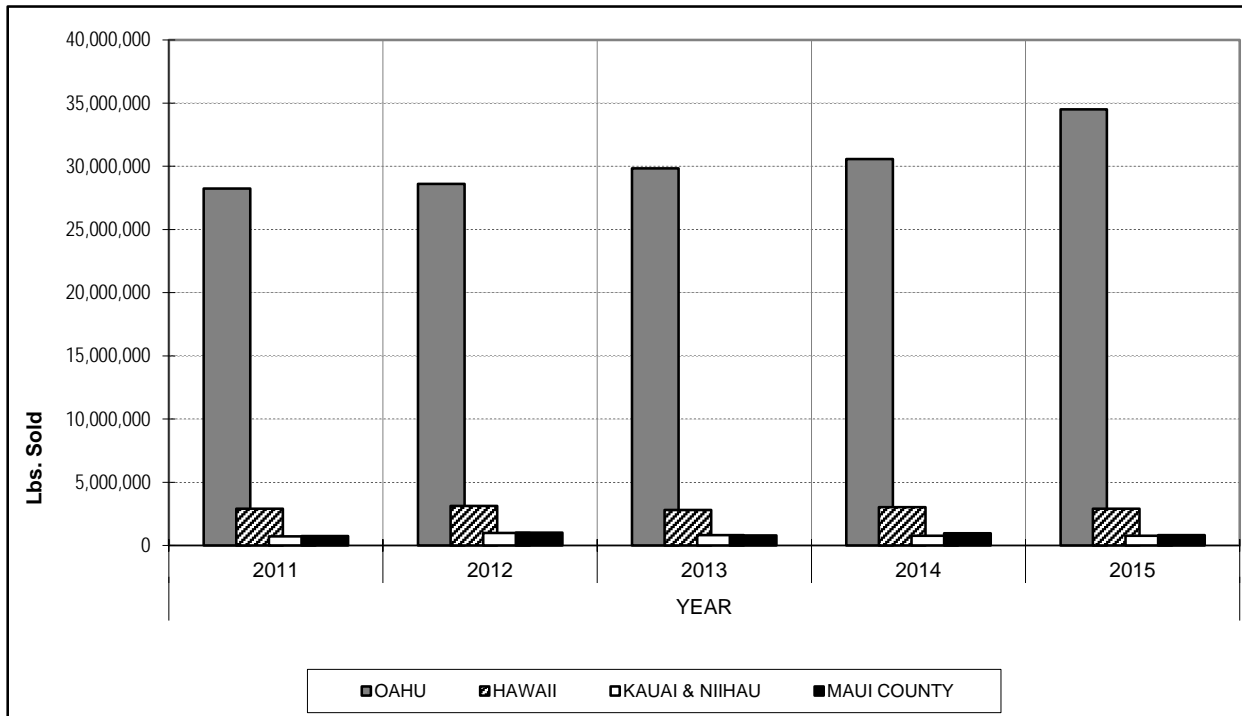
² Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "ALL OTHER" group.

**CHART D.1
SEA LANDINGS BY PORT ANNUAL MONTHLY TRENDS, 2015**



Calendar Year 2015		Month												TOTAL
PORT		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
OAHU	Lbs. Landed	2,713,350	2,478,937	3,161,998	2,957,196	3,262,805	3,162,952	3,387,001	2,565,884	1,982,620	2,509,026	3,227,450	3,095,084	34,504,303
	Lbs. Sold													
	Ex-vessel Value (\$)													
HAWAII	Lbs. Landed	307,257	223,434	252,549	239,131	302,560	328,567	397,325	301,181	142,513	140,907	105,345	168,686	2,909,455
	Lbs. Sold													
	Ex-vessel Value (\$)													
KAUAI & NIIHAU	Lbs. Landed	41,950	38,179	64,869	68,643	83,813	116,090	108,515	71,627	34,715	75,570	38,238	32,936	775,145
	Lbs. Sold													
	Ex-vessel Value (\$)													
MAUI COUNTY	Lbs. Landed	68,265	65,470	81,450	76,725	68,309	70,674	61,619	77,408	49,876	69,906	55,720	60,748	806,170
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,130,822	2,806,020	3,560,866	3,341,695	3,717,487	3,678,283	3,954,460	3,016,100	2,209,724	2,795,409	3,426,753	3,357,454	38,995,073
	Lbs. Sold													
	Ex-vessel Value (\$)													

**CHART D.2
SEA LANDINGS BY PORT ANNUAL 5-YEAR TRENDS, 2011 - 2015**



Calendar Year		YEAR				
PORT		2011	2012	2013	2014	2015
OAHU	Lbs. Landed	28,250,076	28,613,845	29,827,011	30,578,574	34,504,303
	Lbs. Sold					
	Value (Adj\$) ¹					
HAWAII	Lbs. Landed	2,901,491	3,123,445	2,800,394	3,031,431	2,909,455
	Lbs. Sold					
	Value (Adj\$) ¹					
KAUAI & NIIHAU	Lbs. Landed	717,397	1,000,284	822,329	770,752	775,145
	Lbs. Sold					
	Value (Adj\$) ¹					
MAUI COUNTY	Lbs. Landed	750,613	1,020,779	793,260	952,704	806,170
	Lbs. Sold					
	Value (Adj\$) ¹					
TOTAL	Lbs. Landed	32,619,577	33,758,353	34,242,994	35,333,461	38,995,073
	Lbs. Sold					
	Value (Adj\$) ¹					

¹ Honolulu Consumer Price Index (all wage earners)

APPENDICES
Statistical Tables
Calendar 2015

Appendix A - Sea Landings by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
TUNAS				AKULE/OPELU			
Aku	766,223			Akule	396,583		
Bigeye	19,001,987			Hahalalu	6,915		
Bluefin ²	---			Opelu	232,305		
Kawakawa	34,800			Opelu Mama	29		
Keokeo	23			SUBTOTAL	635,832		
Tombo	693,593			JACKS			
Yellowfin	4,016,485			Barred-jack ²	---		
Unclassified	1,779			Butaguchi	204		
SUBTOTAL	24,514,890			Dobe	1,885		
BILLFISHES & SWORDFISH				Gunkan	145		
Black marlin	18,770			Kagami	198		
Blue marlin	1,880,572			Kamanu	4,242		
Sailfish	53,097			Lae	140		
Shortbill spearfish	630,953			Menpachi (sasa)	461		
Striped marlin	1,232,169			Omaka ²	---		
Swordfish	2,098,143			Omilu	6,252		
Unclassified	3,240			Paopao	25		
SUBTOTAL	5,916,944			Papa	8,360		
MISC. PELAGIC FISHES				White	10,714		
Kaku	25,310			Unclass./misc. ²	2,833		
Mahimahi	1,510,397			SUBTOTAL	35,459		
Mola Mola ²	---			INSHORE FISHES			
Monchong	1,401,868			<i>Parrotfishes</i>			
Ono	1,237,816			Panuhunuhu	164		
Opah	2,200,358			Panunu	509		
Walū	565,303			Uhu	32,978		
SUBTOTAL	6,941,052			<i>Goatfishes</i>			
DEEP BOTTOMFISHES				Kumu	2,806		
Alfonsin	20			Malu	98		
Aweoweo (Deepsea)	305			Moano	2,126		
Ehu	30,825			Moana kali	1,266		
Golden kale	211			Munu	266		
Hapuupuu	8,860			Weke nono	5,902		
Hauliuli ²	---			Weke pueo	19		
Hogo	1,381			Weke, red	57,850		
Kahala	16,295			Weke, white	3,857		
Kalekale	13,791			<i>Surgeonfishes</i>			
Lehi	11,400			Api	41		
Opakapaka	128,421			Kala	21,932		
Randall snapper	88			Kalalei	2,772		
Taape	28,294			Kole	1,459		
Ukikiki (gindai)	2,229			Maiiii ²	---		
Uku	101,978			Maiko	2,231		
Ulaula (onaga)	51,787			Manini	10,666		
Yellow-tail kale ²	---			Naenae	5,088		
SUBTOTAL	395,885			Opelu kala	3,488		

²Due 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 ²	---		
Pakuikui	211			Mako	116,944		
Palani	21,382			Oceanic whitetip	201		
Pualu	5,288			Thresher	18,669		
<i>Damselfishes</i>				Tiger ²	---		
Kupipi	13			Unclass/misc	2,984		
Maomao	870			SUBTOTAL	138,798		
<i>Squirrelfishes</i>				LOBSTERS			
Alaihi	220			Ula, Green spiny	5,744		
Uu	44,136			Ula, Red spiny ²	---		
Uukanipo	49			Haanii (slipper)	92		
<i>Wrasses</i>				Squammosus	40		
Aawa	2,571			SUBTOTAL	5,876		
Hilu ²	---			CRABS			
Hinalea	27			Aama ²	---		
Kupoupou	7			Kona	2,922		
Laenihi	3,553			Kuahonu ²	---		
Opule ²	---			Samoan	1,113		
Poou	18			Crab (unclass./misc.) ²	11,350		
Unclass./misc.	149			SUBTOTAL	15,385		
<i>Miscellaneous Inshore Fishes</i>				SHRIMP			
Ahaaha	341			Ensifer ²	---		
Aholehole	5,995			Laevigatus	28,766		
Amaama	4,269			SUBTOTAL	28,766		
Awa	2,097			OTHER ANIMALS			
Awaawa	379			Hee (day tako)	32,869		
Aweoweo	7,531			He'e (unclass./misc.) ²	631		
Humuhumu	488			Muhee (squid)	1,717		
Iheihe ²	---			Namako (sea cucumber)	3,455		
Kawelea	3,599			Opihi makaiauli	2,195		
Kihikihi (Moorish idol) ²	---			Opihi 'alina	12,013		
Lauwiliwili ²	---			Opihi (unclass./misc.) ²	---		
Loulou	629			SUBTOTAL	52,880		
Moi	481			SHELLS			
Mu	2,086			SUBTOTAL	na		
Nenu	17,443			SEAWEEDS			
Nohu	1,153			Limu kohu	4,403		
Nunu	188			Limu wawaeiole ²	---		
Oio	9,010			Unclass./misc. ²	---		
Pakii ²	---			SUBTOTAL	4,403		
Poopaa	159			CORALS			
Puhi (brown)	268			Black ²	---		
Puhi (white)	155			SUBTOTAL	---		
Puhi (misc.)	235			Unclass./misc. ²	10,868		
Roi	1,034			TOTAL	38,995,073		
Summer mullet	1,833						
Tilapia ²	---						
Toau	4,218						
Uouoa	319						
Upapalu ²	---						
Wahanui	113						
SUBTOTAL	298,035						

Appendix B - Sea Landings by Fishing Method

FISHING METHOD	LBS. LANDED	LBS. SOLD	VALUE(\$)
Aku pole & line ³	--		
Longline	32,635,674		
Deepbottom handline	397,245		
Inshore handline	246,581		
Tuna handline	1,711,745		
Other handline	716		
Trolling	3,016,724		
Diving	114,211		
Net	591,342		
Trap	58,948		
Rod & reel (casting, dunking, etc.)	165,993		
Handpick (limu & opihi)	22,177		
Unclass./Misc. ³	33,717		
TOTAL	38,995,073		

Appendix C - Sea Landings by Island

ISLAND	LBS. LANDED	LBS. SOLD	VALUE(\$)
Oahu	34,504,303		
Hawaii	2,909,455		
Maui	763,398		
Kauai & Niihau	775,145		
Molokai	35,902		
Lanai	6,870		
STATE TOTAL	38,995,073		

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)	52,324		
Kaulakahi Channel (521,525)	43,344		
Niihau (505-506,526,527)	47,507		
Makahuena Pt. - Kekaha (500,520)	291,753		
Barking Sands - Na Pali Coast (501-502,522)	38,557		
Hanalei - Moloa'a Bay (503,523)	29,976		
Anahola - Nawiliwili (504,524)	267,398		
Sand Is. - Ala Wai (400,420)	54,255		
Pearl Harbor - Barbers Pt. (401,421)	268,795		
Barbers Pt. - Kaena Pt. (402-403,422-423)	514,668		
Kaena Pt. - Kahuku (404-405,424-425)	248,612		
Laie Pt. - Kahana Bay (406-426)	107,665		
Kaneohe Bay (407,427)	174,984		
Kailua Bay - Makapuu Pt. (408,428)	33,087		
Makapuu Pt. - Diamond Head (409)	60,809		

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

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Kawai (Molokai) Channel (332,429)	16,283		
Penguin Bank (331)	112,043		
Kealaikahiki Channel (327)	62,602		
Alenuihaha Channel (324-325)	113,565		
Auau, Kalohi & Pailolo Channels (321)	34,498		
Alalakeiki Channel (320)	64,541		
Molokai (310-314,333)	22,061		
Lanai (308-309,328)	63,824		
Kahoolawe (306-307,326)	4,020		
Makena - Hana (304-305)	26,348		
Hana - Kahului (302-303,322-323)	265,400		
Honolua - Lahaina (301)	5,227		
Lahaina - Makena (300)	54,979		
Milolii - South Pt. (100,108,120,128)	182,762		
Punaluu - Kalapana (107,127)	105,988		
Kona Coast (101,121)	1,096,254		
Keahole - Kawaihae (102,122)	222,373		
Kohala - Hamakua Coast (103-104,123-124)	88,647		
Hilo (105,125)	238,525		
Puna - Kalapana (106,126)	482,835		
Other (all other area codes from Fisheries Chart No. 1 not listed above)	318,265		
SUBTOTAL	5,814,774		
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)	11,074		
SUBTOTAL	11,074		
Other areas (not in Fisheries Charts 1 & 2) (other mid-ocean and missing area fished codes)	33,169,225		
TOTAL	38,995,073		

³Due 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	--	1,229	--	733	4,589	3,907	--	--	177	4,333	--	--	1,237	961	--	--	--
Bigeye	--	2,133	--	**	663	1,384	--	--	4,534	354	--	--	1,042	237	--	--	--
Kawakawa	--	--	--	--	79	**	--	--	--	--	--	--	**	--	--	--	--
Keokeo	--	--	--	--	--	**	--	--	--	--	--	--	--	--	--	--	--
Tombo	--	1,057	--	--	--	4,175	--	--	1,007	998	--	--	**	1,403	--	--	--
Yellowfin	--	10,388	--	15,602	25,132	25,647	--	--	59,121	28,880	--	--	12,184	15,178	--	--	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	**	--	--	--	--
Blue marlin	--	629	--	**	2,077	6,191	--	--	1,024	3,278	--	--	2,964	1,878	--	--	--
Shortbill spearfish	--	91	--	**	--	176	--	--	--	**	--	--	**	**	--	--	--
Striped marlin	--	--	--	--	**	424	--	--	--	--	--	--	**	**	--	--	--
Swordfish	--	--	--	**	**	--	--	--	**	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	**	--	--	--	**	--	--	--	--	--	--	--	--
Mahimahi	--	1,962	--	2,942	7,569	2,896	--	--	6,062	3,864	--	--	2,412	1,744	--	**	--
Ono	--	3,460	--	995	2,514	1,938	--	--	11,388	3,049	--	--	1,576	412	--	**	--
Walu	--	--	--	**	**	--	--	--	--	--	--	--	--	--	--	--	--
Uku	--	**	--	**	**	--	--	--	--	**	--	--	**	--	--	--	--
Akule	--	--	--	--	--	--	--	--	**	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--	--	--	--	--	**	--	--	--
Kamanu	--	**	--	--	44	**	--	--	**	--	--	--	--	**	--	--	--
White ulua	--	--	--	--	**	--	--	--	--	--	--	--	--	--	--	--	--
Kawalea	--	--	--	--	**	**	--	--	--	--	--	--	--	--	--	--	--
Thresher	--	--	--	**	--	--	--	--	--	--	--	--	--	--	--	--	--
Squid	--	--	--	--	**	--	--	--	--	--	--	--	**	--	--	--	--
Unclass./Misc.**	--	--	--	1,296	247	11	--	--	791	161	--	--	625	210	--	388	--
TOTAL	--	20,949	--	21,568	42,914	46,749	--	--	84,104	44,917	--	--	22,040	22,023	--	388	--

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	6,963	--	3,937	1,555	--	4,183	--	**	3,019	1,971	12,919	480	10,804	4,646
Bigeye	**	--	**	**	--	**	--	--	--	**	1,226	--	453	799
Kawakawa	180	--	1,161	**	--	270	--	**	47	**	343	**	122	--
Yellowfin	10,380	--	9,840	9,194	--	1,316	--	260	13,465	4,133	21,517	1,277	14,448	4,506
Tuna (misc.)	--	--	--	--	--	--	--	--	**	**	--	--	--	--
Black marlin	--	--	**	--	--	--	--	--	**	**	--	--	--	--
Blue marlin	2,532	--	16,658	10,114	--	646	--	--	11,788	2,551	5,207	**	4,354	2,720
Sailfish	--	--	**	--	--	--	--	--	**	--	--	--	--	--
Shortbill spearfish	**	--	955	373	--	--	--	--	347	**	180	**	155	130
Striped marlin	**	--	--	280	--	**	--	--	382	**	455	--	436	--
Kaku	**	--	--	--	--	--	--	--	**	--	**	--	**	**
Mahimahi	8,785	--	1,479	2,079	--	2,102	--	--	8,119	1,685	4,568	1,482	12,224	12,433
Ono	1,996	--	983	533	--	563	--	**	1,183	526	924	220	1,707	1,355
Kahala	--	--	--	--	--	--	--	--	--	--	--	**	--	--
Akule	--	--	--	--	--	--	--	--	--	--	--	--	**	--
Opelu	--	--	172	872	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--	--	--	--	**	--
White ulua	--	--	--	--	--	--	--	--	**	--	--	--	--	--
Shark (Misc.)	--	--	--	--	--	--	--	--	**	--	--	--	--	--
Unclass./Misc.**	426	--	487	1,344	--	312	--	--	851	1,661	--	1,058	48	--
TOTAL	31,262	--	35,672	26,344	--	9,392	--	260	39,201	12,527	47,339	4,517	44,751	26,589

**Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by species are pooled under Misc./Unclass.

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	**	1,495	--	2,589	2,711	--	2,908	--	3,547	--	--	--	--	--	--
Bigeye	--	6,281	--	1,395	**	--	25,998	--	1,205	--	--	--	--	--	--
Kawakawa	--	--	--	**	--	**	--	--	**	--	--	--	--	--	--
Yellowfin	**	14,854	--	6,931	**	359	21,961	--	10,081	--	--	--	--	1,588	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	--	934	--	1,890	**	585	1,908	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	--	118	**	--	**	--	**	--	--	--	--	**	--
Striped marlin	--	--	--	**	--	**	--	--	**	--	--	--	--	--	--
Kaku	--	**	--	--	--	**	--	--	--	--	--	--	--	--	--
Mahimahi	950	23,557	--	15,724	1,029	3,758	34,921	--	17,283	--	--	--	--	557	--
Ono	--	1,511	--	1,352	160	629	3,789	--	2,340	--	--	--	--	**	--
Uku	--	--	--	--	--	--	**	--	**	--	--	--	--	**	--
Kamanu	--	--	--	**	--	--	100	--	--	--	--	--	--	**	--
White ulua	--	--	--	--	--	--	--	--	**	--	--	--	--	--	--
Unclass./Misc.**	1,774	--	--	258	620	63	134	--	288	--	--	--	--	132	--
TOTAL	2,724	48,632	--	30,257	4,520	5,394	91,719	--	34,744	--	--	--	--	2,277	--

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	--	--	--	2,627	--	271	--	626	4,014
Bigeye	--	--	--	719	--	--	--	**	755
Kawakawa	--	--	--	**	--	**	--	--	**
Tombo	--	--	--	**	--	--	--	**	--
Yellowfin	--	--	--	56,171	--	2,260	--	10,410	81,716
Black marlin	--	--	--	1,220	--	**	--	**	**
Blue marlin	--	--	--	5,476	--	--	--	1,488	5,763
Sailfish	--	--	--	**	--	--	--	--	--
Shortbill spearfish	--	--	--	118	--	--	--	--	**
Striped marlin	--	--	--	290	--	**	--	--	--
Swordfish	--	--	--	--	--	--	--	**	--
Kaku	--	--	--	**	--	--	--	--	**
Mahimahi	--	--	--	2,775	--	**	--	2,633	7,285
Ono	--	--	--	2,860	--	472	--	1,199	1,765
Uku	--	--	--	**	--	--	--	--	**
Opelu	--	--	--	--	--	--	--	--	**
Kamanu	--	--	--	--	--	--	--	--	**
White papio	--	--	--	--	--	--	--	**	**
Squid	--	--	--	**	--	--	--	--	--
Unclass./Misc.**	--	--	--	257	--	518	--	713	528
TOTAL	--	--	--	72,513	--	3,521	--	17,069	101,826

Other FADs

<i>SPECIES</i>	<i>MO</i>	<i>W1</i>	<i>W2</i>	<i>W3</i>	<i>W4</i>	<i>W8</i>
Aku	881	**	**	--	--	--
Bigeye	650	**	**	**	**	--
Kawakawa	--	--	--	--	--	--
Yellowfin	19,444	--	**	**	--	**
Blue marlin	658	--	**	--	--	--
Shortbill spearfish	--	--	**	--	--	--
Kaku	**	--	**	--	--	--
Mahimahi	7,604	**	**	--	**	--
Ono	340	--	**	--	--	--
Uku	**	--	--	--	--	--
Walu	--	--	**	--	**	--
Ulua (misc.)	**	--	--	--	--	--
Unclass./Misc.**	24	--	--	--	--	--
TOTAL	29,601	**	**	**	**	**

**Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs by species are pooled under Misc./Unclass.

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	11,239	96	117.1	9,389	51	184.1				452	5	90.4		
	C	Loa Pt.	0.0														
	D	Kumukahi	12.0	8,251	53	155.7	12,944	32	404.5				449	6	74.8		
	E	Leleiwi	12.0	24,588	181	135.8	15,184	76	199.8				3,142	41	76.6		
	F	Kailua-Kona	12.0	24,398	247	98.8	19,183	112	171.3				3,168	29	109.2		
	G	Pepe'ekeo	0.0														
	HK	Hakalau	0.0														
	KH	Kahena	12.0	19,374	83	233.4	55,369	84	659.2				9,528	33	288.7		
	OT	Waikoloa Pt.	12.0	29,853	156	191.4	14,667	35	419.1				397	5	79.4		
	RN	Palima Pt.	0.1														
	SS	Apua Pt.	0.1														
	TT	Kanewa'a	12.0	12,673	78	162.5	8,259	43	192.1				1,140	6	190.0		
	UU	Auau	12.0	7,697	69	111.6	11,381	56	203.2				2,945	11	267.7		
	VV	Kahalu'u	0.0														
XX	Puako	1.2	388	3	129.3												
ZZ	Waima Pt.	0.8															
<i>Oahu</i>	J	Waiale'e	8.0	28,480	188	151.5		**						**			
	P	Penguin Banks	0.0														
	R	Makaha	12.0	34,981	192	182.2		**				454	14	32.4			
	S	Pokai Bay	12.0	25,428	164	155.0		**				554	27	20.5			
	T	Makapu'u	0.0														
	U	Kane'ohe	12.0	8,557	56	152.8		**				**	**				
	V	Makua	0.0														
	X	Kahuku	1.3	440	3	146.7											
	BO	Barbers Pt.	12.0	38,749	344	112.6					**		917	5	183.4		
	CO	Ka'ena Pt.	7.8	12,527	75	167.0								**			
	HH	Pearl Harbor	12.0	30,604	233	131.3	2,485	12	207.1		**		5,542	26	213.2		
	II	Hale'iwa	4.5	4,114	42	98.0								**			
	LL	Hau'ula	12.0	41,832	198	211.3	1,661	5	332.2				1,264	6	210.7		
MM	Mokapu Pt.	12.0	26,364	160	164.8								**				

***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	4.8	2,724	27	100.9							**		
	M	Hana Bay	12.0	45,754	131	349.3	2,140	10	214.0				850	5	170.0
	N	Cape Halawa	0.0												
	Q	Pauwela Pt.	12.0	28,698	156	184.0		**					1,479	8	184.9
	CC	Ka'ena Pt.	12.0	2,059	11	187.2								**	
	DD	Opana Pt.	12.0	5,394	45	119.9									
	FF	Pukaulua Pt.	12.0	90,749	179	507.0		**					950	5	190.0
	GG	Nakaohu Pt.	0.0												
	HO	Ho'olawa Pt.	12.0	33,680	144	233.9							1,018	8	127.3
	HS	Halona	1.2					**							
	JJ	Kamohio	0.0												
	LA	Lahaina	0.0												
	MC	Palaoa	0.0												
	NL	Nu'u	1.4	2,277	9	253.0									
SO	Kahoolawe	0.2													
<i>Kauai</i>	Z	Kipukai	0.0												
	AA	Port Allen	0.0												
	BB	Moloa'a	0.3												
	CK	Makahu'ena Pt.	12.0	43,573	243	179.3	28,410	39	728.5				530	9	58.9
	DK	Anahola	0.3												
	EK	Hanalei	4.0	2,898	30	96.6		**							
	KK	Waimea	0.0												
	PP	Koloa	12.0	12,513	91	137.5	4,486	14	320.4					**	
WK	Wailua	12.0	59,868	355	168.6	40,623	78	520.8				1,335	13	102.7	

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