

COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT
CALENDAR YEAR 2013



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

TABLE OF CONTENTS

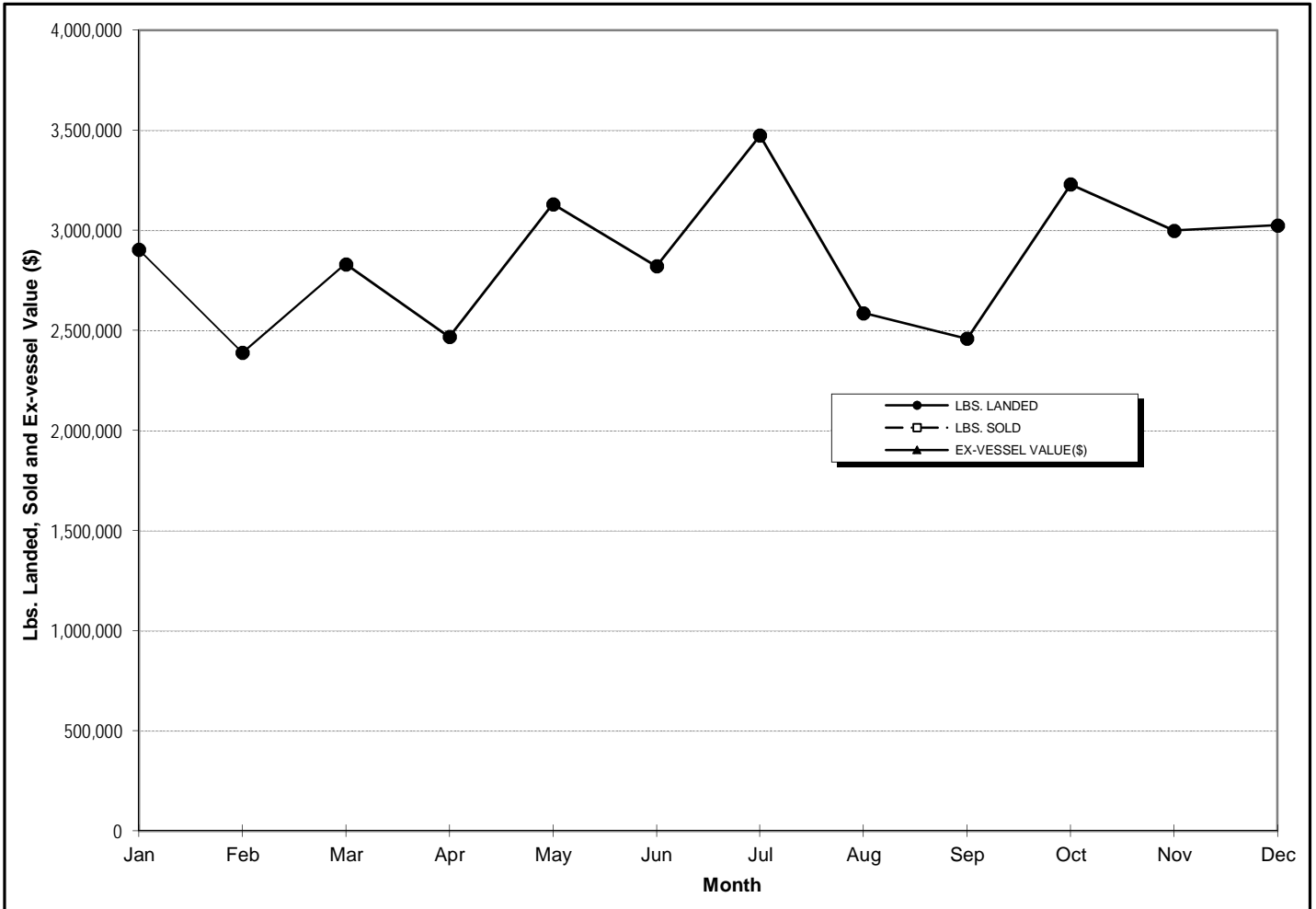
	Page No.
I. INTRODUCTION	1
 II. CHARTS	
<i>A. TOTAL SEA LANDINGS</i>	
1. Annual Monthly Trends	2
2. Annual 5-year Trends	3
 <i>B. SEA LANDINGS BY SPECIES GROUPS</i>	
1. Annual Monthly Trends	4
2. Annual 5-year Trends	5
 <i>C. SEA LANDINGS BY FISHING METHOD</i>	
1. Annual Monthly Trends	6
2. Annual 5-year Trends	7
 <i>D. SEA LANDINGS BY PORT</i>	
1. Annual Monthly Trends	8
2. Annual 5-year Trends	9
 II. APPENDICES	
A. Sea Landings by Species	10
B. Sea Landings by Fishing Method	12
C. Sea Landings by Island	12
D. Sea Landings by Area Fished	12
E. FAD Catches by Island and Species	13
F. FAD Catches by Island, FAD and Fishing Trip Count	15

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

INTRODUCTION

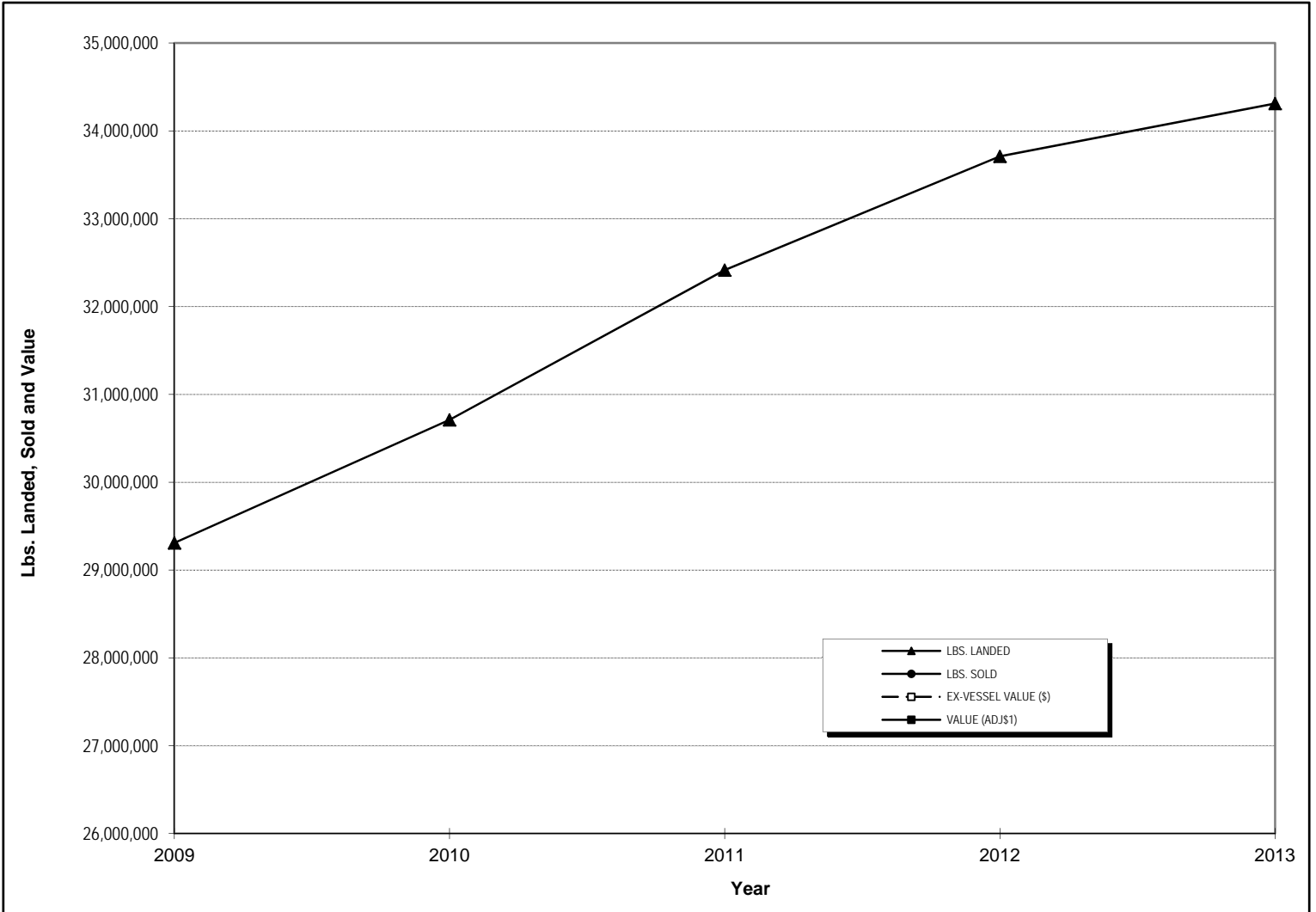
The information presented in this Commercial Marine Landing Summary Trend Report is compiled from fishing reports submitted by licensed fishermen. Commercial fishers are required to obtain commercial marine licenses and submit fishing reports to DLNR-DAR. In previous editions of these summary trend reports, 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, 2013**



MONTH	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE(\$)
<i>Jan</i>	2,902,748		
<i>Feb</i>	2,388,197		
<i>Mar</i>	2,831,279		
<i>Apr</i>	2,467,444		
<i>May</i>	3,131,153		
<i>Jun</i>	2,819,983		
<i>Jul</i>	3,473,180		
<i>Aug</i>	2,586,863		
<i>Sep</i>	2,459,258		
<i>Oct</i>	3,228,317		
<i>Nov</i>	2,998,732		
<i>Dec</i>	3,023,918		
TOTAL	34,311,072		

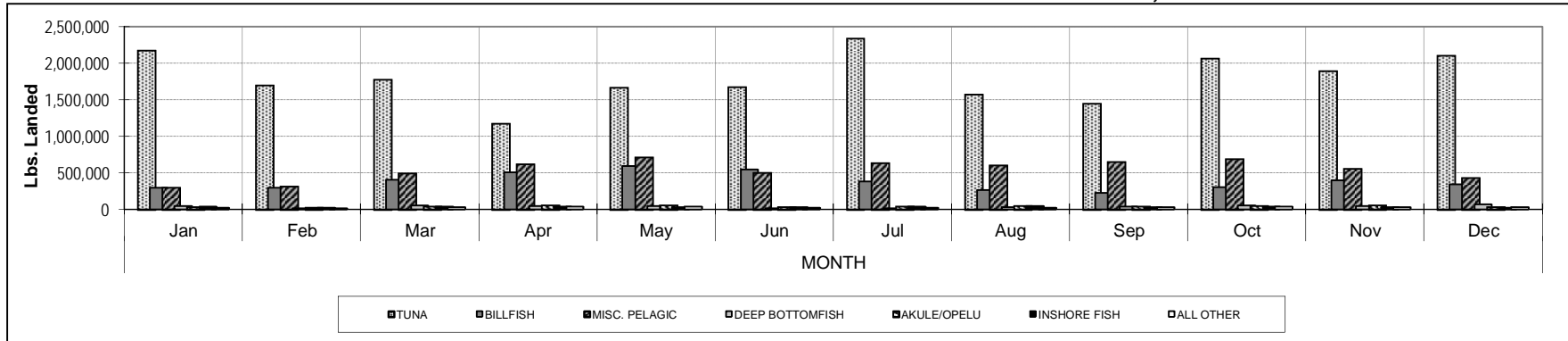
**CHART A.2
TOTAL SEA LANDINGS ANNUAL 5 - YEAR TRENDS, 2009- 2013**



YEAR	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE (\$)	HCPI ¹	VALUE (ADJ.\$ ¹)
2009	29,308,129				
2010	30,709,532				
2011	32,414,656				
2012	33,710,167				
2013	34,311,072				

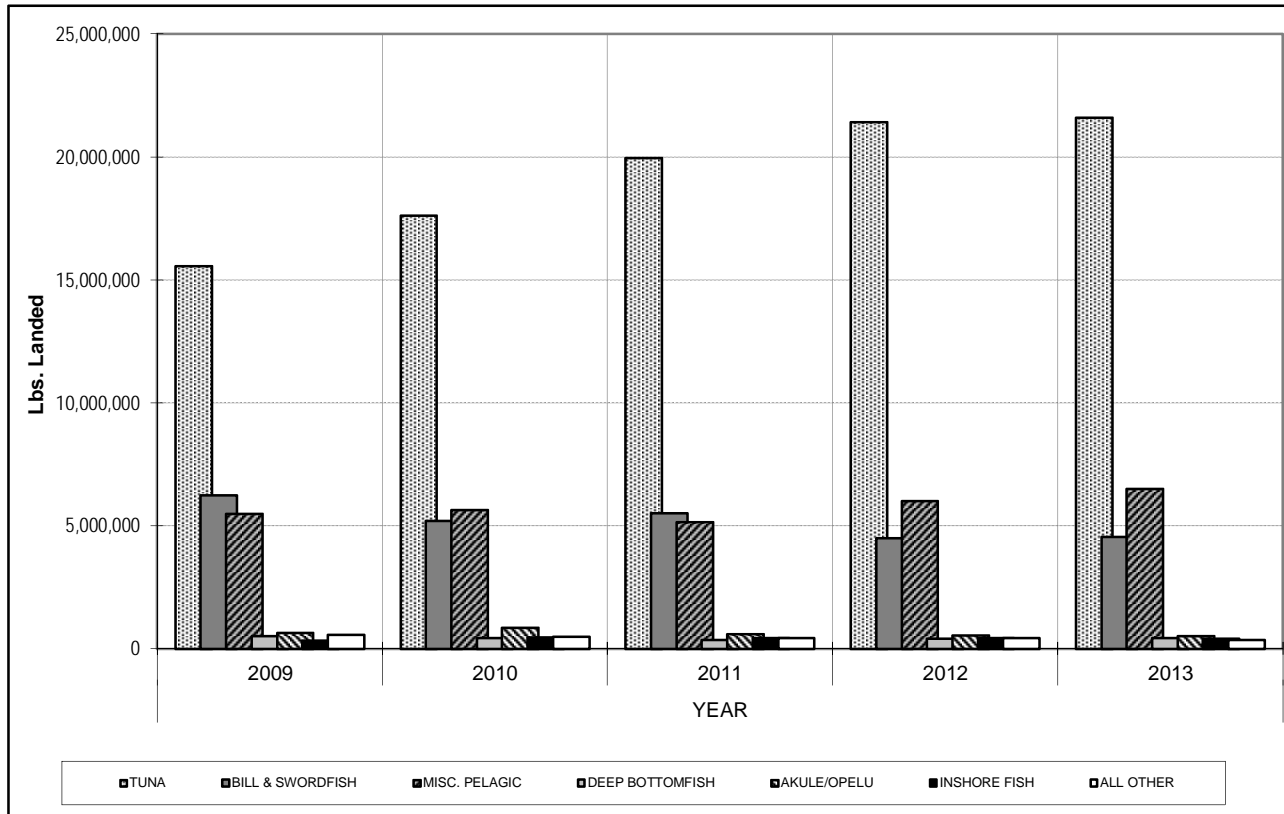
¹ Honolulu Consumer Price Index (all wage earners)

**CHART B.1
SEA LANDINGS BY SPECIES GROUP ANNUAL MONTHLY TRENDS, 2013**



Calendar Year 2013		MONTH												YEAR
SPECIES GROUP		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TUNA	Lbs. Landed	2,170,365	1,701,069	1,773,716	1,177,632	1,663,331	1,674,350	2,340,566	1,571,914	1,450,301	2,065,157	1,889,416	2,099,957	21,577,774
	Lbs. Sold													
	Ex-vessel Value (\$)													
BILLFISH	Lbs. Landed	293,546	296,722	402,309	504,941	588,591	545,917	379,795	265,718	221,417	301,799	397,421	338,857	4,537,033
	Lbs. Sold													
	Ex-vessel Value(\$)													
MISC. PELAGIC	Lbs. Landed	299,310	317,611	491,432	619,771	712,537	500,224	632,436	601,105	650,629	689,327	556,188	431,180	6,501,750
	Lbs. Sold													
	Ex-vessel Value(\$)													
DEEP BOTTOMFISH	Lbs. Landed	43,904	12,485	50,908	41,444	42,054	16,640	13,320	29,086	34,753	49,996	42,341	65,797	442,728
	Lbs. Sold													
	Ex-vessel Value (\$)													
AKULE/OPELU	Lbs. Landed	32,373	21,922	41,718	54,619	57,183	33,484	44,240	52,288	38,145	48,533	53,187	33,381	511,073
	Lbs. Sold													
	Ex-vessel Value (\$)													
INSHORE FISH	Lbs. Landed	38,587	20,823	40,324	35,684	32,366	26,618	38,447	41,545	31,755	36,359	29,691	23,641	395,840
	Lbs. Sold													
	Ex-vessel Value (\$)													
ALL OTHER	Lbs. Landed	24,663	17,565	30,872	33,353	35,091	22,750	24,376	25,207	32,258	37,146	30,488	31,105	344,874
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	2,902,748	2,388,197	2,831,279	2,467,444	3,131,153	2,819,983	3,473,180	2,586,863	2,459,258	3,228,317	2,998,732	3,023,918	34,311,072
	Lbs. Sold													
	Ex-vessel Value (\$)													

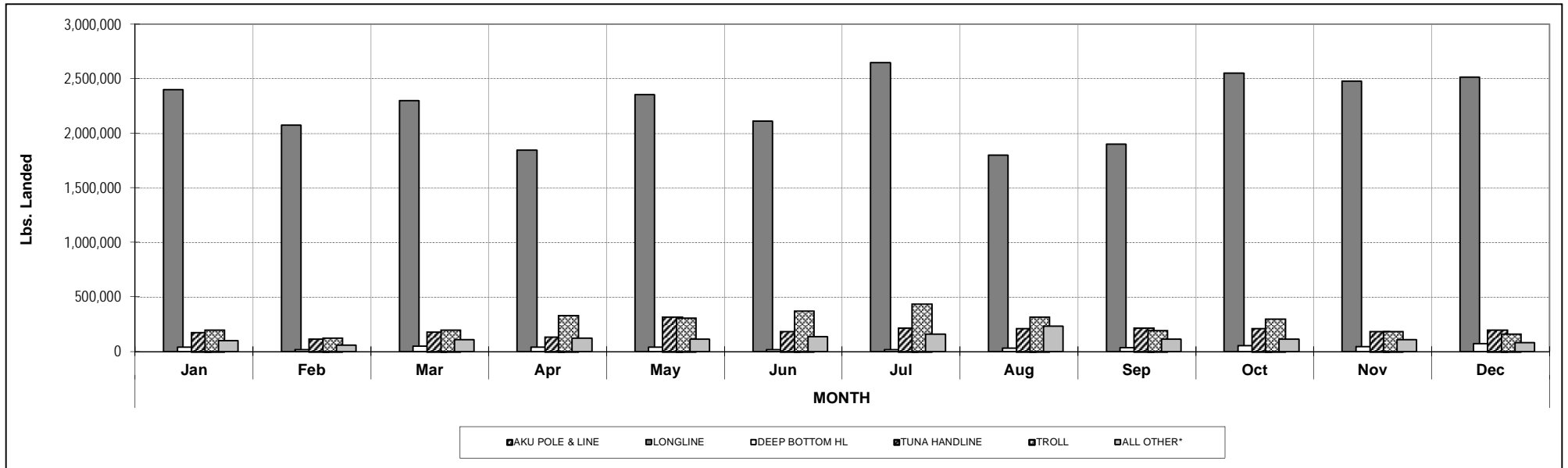
**CHART B.2
SEA LANDINGS BY SPECIES GROUPS ANNUAL 5 - YEAR TRENDS, 2009 - 2013**



<i>Calendar Year</i>		YEAR				
SPECIES GROUP		2009	2010	2011	2012	2013
TUNA	<i>Lbs. Landed</i>	15,548,884	17,607,018	19,957,660	21,408,384	21,577,774
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
BILL & SWORDFISH	<i>Lbs. Landed</i>	6,248,175	5,189,945	5,514,989	4,497,916	4,537,033
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MISC. PELAGIC	<i>Lbs. Landed</i>	5,472,535	5,642,889	5,138,070	6,002,848	6,501,750
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOMFISH	<i>Lbs. Landed</i>	509,007	445,140	358,134	406,754	442,728
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
AKULE/OPELU	<i>Lbs. Landed</i>	628,618	855,284	600,526	527,486	511,073
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
INSHORE FISH	<i>Lbs. Landed</i>	330,341	471,102	424,513	437,721	395,840
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER	<i>Lbs. Landed</i>	570,569	498,154	420,764	429,058	344,874
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	29,308,129	30,709,532	32,414,656	33,710,167	34,311,072
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

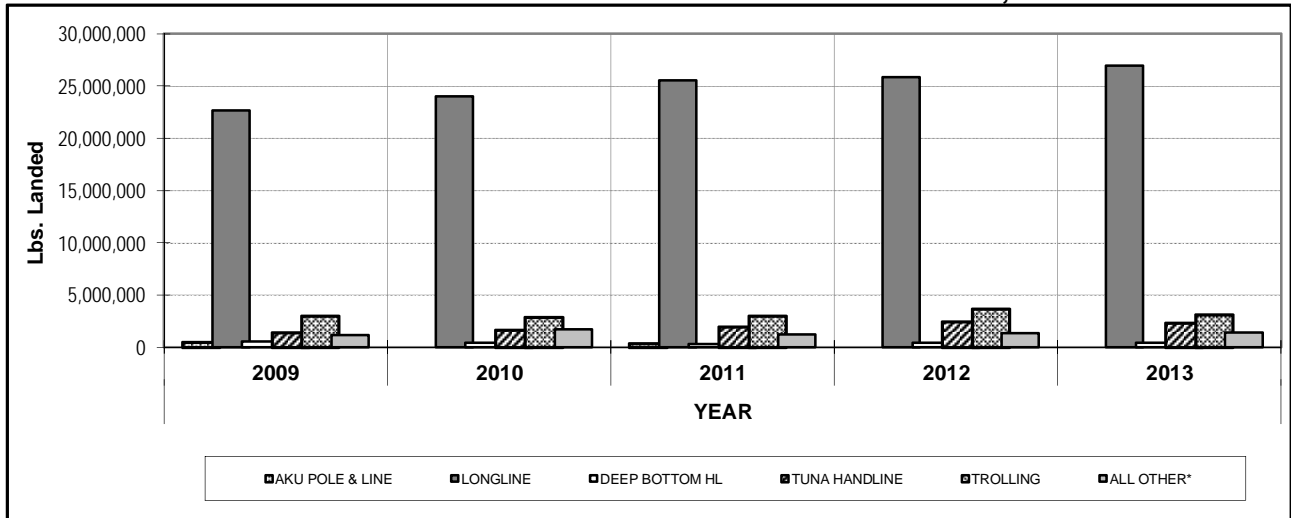
**CHART C.1
SEA LANDINGS BY FISHING METHOD ANNUAL MONTHLY TRENDS, 2013**



Calendar Year 2013		MONTH												YEAR TOTAL
METHOD		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
AKU POLE & LINE	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	*	*				*	*	*	*	*			*
LONGLINE	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	2,397,873	2,073,560	2,296,143	1,844,570	2,351,859	2,112,441	2,647,664	1,799,863	1,901,458	2,548,938	2,478,969	2,515,515	26,968,853
DEEP BOTTOM HL	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	38,374	17,025	50,069	39,397	41,157	16,573	17,128	29,052	33,551	53,907	44,831	72,068	453,132
TUNA HANDLINE	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	174,293	113,074	179,821	134,362	316,983	185,277	216,212	212,324	217,086	212,486	183,162	196,010	2,341,090
TROLL	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	195,224	125,981	198,274	329,149	307,003	372,027	433,396	316,184	195,068	300,190	184,373	160,836	3,117,705
ALL OTHER*	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	96,984	58,557	106,972	119,966	114,151	133,665	158,780	229,440	112,095	112,796	107,397	79,489	1,430,292
TOTAL	<i>Lbs. Landed</i> <i>Lbs. Sold</i> <i>Ex-vessel Value (\$)</i>	2,902,748	2,388,197	2,831,279	2,467,444	3,131,153	2,819,983	3,473,180	2,586,863	2,459,258	3,228,317	2,998,732	3,023,918	34,311,072

*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, 2009 - 2013**

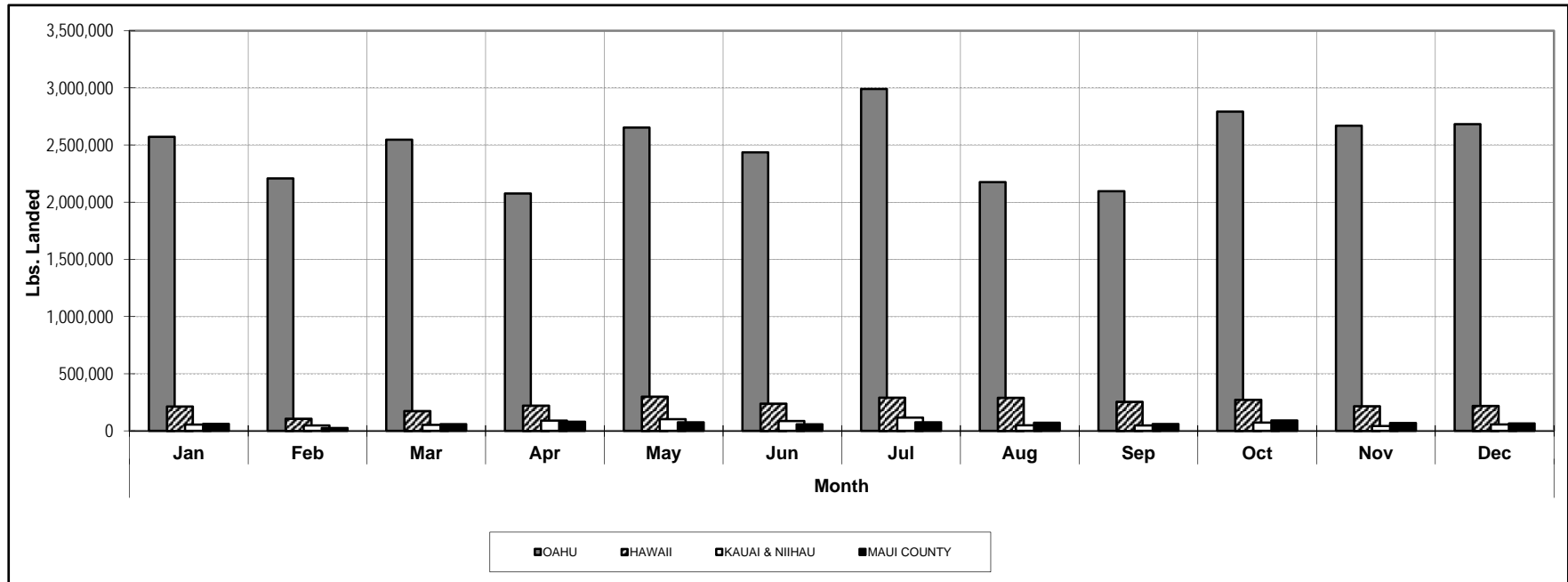


<i>Calendar Year</i>		<i>YEAR</i>				
FISHING METHOD		2009	2010	2011	2012	2013
AKU POLE & LINE	<i>Lbs. Landed</i>	506,695	*	347,898	*	*
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
LONGLINE	<i>Lbs. Landed</i>	22,668,932	24,019,214	25,555,025	25,858,879	26,968,853
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOM HL	<i>Lbs. Landed</i>	522,453	449,115	334,707	417,095	453,132
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TUNA HANDLINE	<i>Lbs. Landed</i>	1,435,902	1,681,864	1,937,263	2,430,863	2,341,090
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TROLLING	<i>Lbs. Landed</i>	2,991,973	2,865,112	2,987,387	3,678,850	3,117,705
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER*	<i>Lbs. Landed</i>	1,182,174	1,694,227	1,252,376	1,324,480	1,430,292
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	29,308,129	30,709,532	32,414,656	33,710,167	34,311,072
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

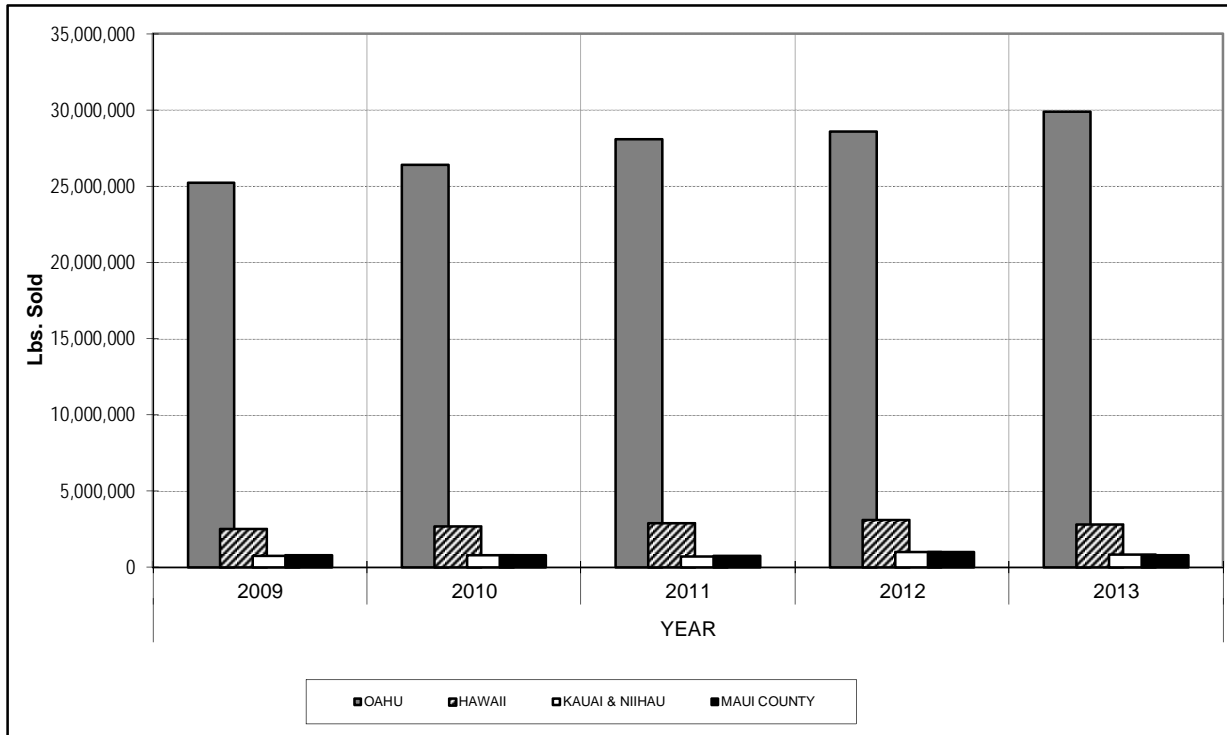
*Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "ALL OTHER" group.

**CHART D.1
SEA LANDINGS BY PORT ANNUAL MONTHLY TRENDS, 2013**



Calendar Year 2013		Month												TOTAL
PORT		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
OAHU	Lbs. Landed	2,571,959	2,208,112	2,546,419	2,076,476	2,653,085	2,435,804	2,990,394	2,176,252	2,096,430	2,792,682	2,669,510	2,683,242	29,900,365
	Lbs. Sold													
	Ex-vessel Value (\$)													
HAWAII	Lbs. Landed	213,598	106,982	173,385	221,472	300,081	239,319	291,090	289,451	254,623	271,767	216,947	218,369	2,797,084
	Lbs. Sold													
	Ex-vessel Value (\$)													
KAUAI & NIIHAU	Lbs. Landed	55,403	47,726	53,115	89,553	102,886	86,854	116,710	49,531	48,071	72,047	42,816	56,763	821,475
	Lbs. Sold													
	Ex-vessel Value (\$)													
MAUI COUNTY	Lbs. Landed	61,788	25,377	58,360	79,943	75,101	58,006	74,986	71,629	60,134	91,821	69,459	65,544	792,148
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	2,902,748	2,388,197	2,831,279	2,467,444	3,131,153	2,819,983	3,473,180	2,586,863	2,459,258	3,228,317	2,998,732	3,023,918	34,311,072
	Lbs. Sold													
	Ex-vessel Value (\$)													

**CHART D.2
SEA LANDINGS BY PORT ANNUAL 5-YEAR TRENDS, 2009 - 2013**



<i>Calendar Year</i>		<i>YEAR</i>				
PORT		2009	2010	2011	2012	2013
OAHU	<i>Lbs. Landed</i>	25,238,873	26,411,330	28,063,170	28,573,449	29,900,365
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
HAWAII	<i>Lbs. Landed</i>	2,515,072	2,693,859	2,885,270	3,116,169	2,797,084
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
KAUAI & NIIHAU	<i>Lbs. Landed</i>	765,653	799,710	716,187	1,000,510	821,475
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MAUI COUNTY	<i>Lbs. Landed</i>	788,531	804,633	750,029	1,020,039	792,148
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	29,308,129	30,709,532	32,414,656	33,710,167	34,311,072
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

APPENDICES
Statistical Tables
Calendar 2013

Appendix A - Sea Landings by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
TUNAS				AKULE/OPELU			
Aku	1,190,750			Akule	245,257		
Bigeye	15,786,071			Hahalalu	21,192		
Bluefin	1,447			Opelu	244,520		
Kawakawa	9,794			Opelu Mama	104		
Keokeo	95			SUBTOTAL	511,073		
Tombo	823,808						
Yellowfin	3,765,030			JACKS			
Unclassified	779			Barred-jack	44		
SUBTOTAL	21,577,774			Butaguchi	769		
BILLFISHES & SWORDFISH				Dobe	3,073		
Black marlin	12,317			Gunkan	817		
Blue marlin	1,254,163			Kagami	112		
Sailfish	30,908			Kamanu	3,250		
Shortbill spearfish	505,719			Lae	404		
Striped marlin	967,596			Menpachi (sasa)	748		
Swordfish	1,764,350			No-bite ²	---		
Unclassified	1,980			Omaka ²	---		
SUBTOTAL	4,537,033			Omilu	6,427		
MISC. PELAGIC FISHES				Paopao	971		
Kaku	24,469			Papa	6,364		
Mahimahi	1,642,333			White	14,494		
Malolo ²	--			Unclass./misc. ²	34		
Mola Mola	272			SUBTOTAL	37,507		
Monchong	1,184,550			INSHORE FISHES			
Ono	901,198			<i>Parrotfishes</i>			
Opah	2,124,938			Panuhunuhu	170		
Walu	623,987			Panunu	160		
SUBTOTAL	6,501,747			Uhu	74,330		
DEEP BOTTOMFISHES				<i>Goatfishes</i>			
Alfonsin	91			Kumu	7,116		
Aweoweo (Deepsea)	163			Malu	284		
Ehu	32,559			Moano	5,280		
Golden kale	413			Moana kali	1,884		
Hapuupuu	10,946			Munu	688		
Hauliuli	13			Weke nono	6,528		
Hogo	1,773			Weke pueo	383		
Kahala	13,197			Weke, red	24,983		
Kalekale	14,861			Weke, white	4,835		
Lehi	13,346			Weke (unclass.)	0		
Opakapaka	124,504			<i>Surgeonfishes</i>			
Randall snapper ²	51			Api	104		
Taape	32,978			Black kole	100		
Ukikiki (gindai)	3,715			Kala	32,341		
Uku	121,043			Kalalei	4,219		
Ulaula (onaga)	73,063			Kole	2,766		
Yellow-tail kale	12			Maiii	---		
SUBTOTAL	442,728			Maiko	6,258		
				Manini	15,245		
				Naenae	8,488		

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	3,700		
Opelu kala	8,207			Hammerhead ²	---		
Pakuikui	426			Mako	110,352		
Pala	0			Oceanic whitetip	613		
Palani	33,367			Thresher	14,925		
Pualu	7,904			Unclass/misc	2,084		
<i>Damselfishes</i>				SUBTOTAL	131,674		
Kupipi	26			LOBSTERS			
Maomao	2,147			Ula, Green spiny	7,740		
<i>Squirrelfishes</i>				Ula, Red spiny	2,369		
Alaihi	757			Spiny (unclass./misc.)	587		
Pauu	0			Haanii (slipper)	85		
Uu	57,884			Squammosus	48		
Uukanipo	46			Slipper (unclass./misc.) ²	---		
<i>Wrasses</i>				SUBTOTAL	10,829		
Aawa	3,700			CRABS			
Hilu ²	---			Kona	7,430		
Hinalea	71			Kuahonu	42,282		
Kupoupou	21			Moala	0		
Laenihi	2,719			Samoan	2,153		
Poou	31			Crab (unclass./misc.) ²	24		
Unclass./misc.	208			SUBTOTAL	51,889		
<i>Miscellaneous Inshore Fishes</i>				SHRIMP			
Ahaaha	439			Ensifer	362		
Aholehole	2,325			Laevigatus	17,972		
Amaama	6,208			SUBTOTAL	18,334		
Awa	699			OTHER ANIMALS			
Awaawa	1,238			Hee (day tako)	39,138		
Aweoweo	5,246			Hee pu loa (night tako) ²	---		
Gold spot herring	0			He'e (unclass./misc.) ²	373		
Hihimanu ²	---			Muhee (squid)	4,721		
Humuhumu	738			Namako (sea cucumber) ²	---		
Iheihe ²	---			Opihi makaiauli	3,520		
Kawelea	2,651			Opihi 'alina	21,732		
Kihikihi (Moorish idol) ²	---			Opihi (unclass.) ²	---		
Lauwiliwili ²	---			SUBTOTAL	69,484		
Loulu	783			SHELLS			
Makiawa	0			SUBTOTAL	na		
Moi	494			SEAWEEDS			
Mu	5,745			Limu kohu	4,299		
Nenu	27,435			Limu ogo	541		
Nohu	1,093			Limu wawaeiole	11,852		
Nunu	233			Unclass./misc.	155		
Oio	12,229			SUBTOTAL	16,847		
Oopuhue ²	---			CORALS			
Pakii	16			Black ²	---		
Poopaa	1,548			SUBTOTAL	---		
Puhi (brown)	1,171			Unclass./misc. ²			
Puhi (white)	296				8,622		
Puhi (misc.)	629			TOTAL	34,311,072		
Roi	3,007						
Saba ²	---						
Summer mullet ²	---						
Tilapia	3,047						
Toau	4,123						
Uouoa	425						
Wahanui	37						
SUBTOTAL	395,531						

Appendix B - Sea Landings by Fishing Method

FISHING METHOD	LBS. LANDED	LBS. SOLD	VALUE(\$)
Aku pole & line ³	--		
Longline	26,968,853		
Deepbottom handline	453,132		
Inshore handline	275,873		
Tuna handline	2,341,090		
Other handline	3,378		
Trolling	3,117,705		
Diving	224,939		
Net	429,975		
Trap	110,374		
Rod & reel (casting, dunking, etc.)	103,849		
Handpick (limu & opihii)	42,605		
Unclass./Misc. ³	239,299		
TOTAL	34,311,072		

Appendix C - Sea Landings by Island

ISLAND	LBS. LANDED	LBS. SOLD	VALUE(\$)
Oahu	29,900,365		
Hawaii	2,797,084		
Maui	738,541		
Kauai & Niihau	821,475		
Molokai	46,423		
Lanai	7,184		
STATE TOTAL	34,311,072		

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)	86,182		
Kaulakahi Channel (521,525)	35,328		
Niihau (505-506,526,527)	67,061		
Makahuena Pt. - Kekaha (500,520)	290,767		
Barking Sands - Na Pali Coast (501-502,522)	29,884		
Hanalei - Moloa'a Bay (503,523)	37,036		
Anahola - Nawiliwili (504,524)	253,813		
Sand Is. - Ala Wai (400,420)	34,825		
Pearl Harbor - Barbers Pt. (401,421)	174,385		
Barbers Pt. - Kaena Pt. (402-403,422-423)	591,184		
Kaena Pt. - Kahuku (404-405,424-425)	318,025		
Laie Pt. - Kahana Bay (406-426)	213,059		
Kaneohe Bay (407,427)	274,692		
Kailua Bay - Makapuu Pt. (408,428)	35,847		
Makapuu Pt. - Diamond Head (409)	16,059		

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

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Kawai (Molokai) Channel (332,429)	19,675		
Penguin Bank (331)	133,663		
Kealaikahiki Channel (327)	44,958		
Alenuihaha Channel (324-325)	88,649		
Auau, Kalohi & Pailolo Channels (321)	40,454		
Alalakeiki Channel (320)	105,366		
Molokai (310-314,333)	43,523		
Lanai (308-309,328)	92,158		
Kahoolawe (306-307,326)	18,526		
Makena - Hana (304-305)	32,199		
Hana - Kahului (302-303,322-323)	177,724		
Honolua - Lahaina (301)	3,160		
Lahaina - Makena (300)	71,056		
Milolii - South Pt. (100,108,120,128)	276,890		
Punaluu - Kalapana (107,127)	165,756		
Kona Coast (101,121)	1,107,367		
Keahole - Kawaihae (102,122)	166,951		
Kohala - Hamakua Coast (103-104,123-124)	59,878		
Hilo (105,125)	340,217		
Puna - Kalapana (106,126)	455,305		
Other (all other area codes from Fisheries Chart No. 1 not listed above)	322,024		
SUBTOTAL	6,223,646		
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)	13,611		
SUBTOTAL	13,611		
Other areas (not in Fisheries Charts 1 & 2) (other mid-ocean and missing area fished codes)	28,073,815		
TOTAL	34,311,072		

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																	
SPECIES	A	B	C	D	E	F	G	HK	KH	OTEC	RN	SS	TT	UU	VV	XX	ZZ
Aku	**	3,896	8,853	236	11,668	555	5,247	**	**	581	407	**	--	693	276	235	--
Bigeye	--	4,156	8,223	3,201	781	**	3,904	**	**	**	**	**	--	864	1,185	2,445	--
Kawakawa	--	--	**	--	--	--	--	--	--	--	--	--	--	--	--	**	--
Tombo	**	1,425	2,224	**	3,912	--	2,297	--	3,294	--	--	**	--	**	1,091	--	--
Yellowfin	**	44,571	63,509	4,381	4,978	3,524	8,657	9,045	20,818	8,610	1,248	4,214	**	6,983	7,825	606	**
Black marlin	--	--	--	--	**	--	--	--	--	--	--	**	--	--	--	--	--
Blue marlin	--	2,678	4,028	**	**	2,087	708	**	--	562	2,069	**	--	1,379	3,810	--	--
Sailfish	--	--	--	--	--	--	--	--	--	**	**	--	--	--	**	--	--
Shortbill spearfish	--	**	96	--	--	115	--	**	--	70	--	--	--	--	93	--	--
Striped marlin	--	--	339	--	--	**	**	**	--	--	--	--	--	--	--	--	--
Swordfish	--	--	**	--	--	--	--	**	1,072	--	--	**	--	--	**	--	--
Mahimahi	--	865	2,074	4,326	4,537	3,240	11,449	7,033	4,584	1,068	2,887	469	--	**	3,244	4,081	**
Ono	**	1,333	2,378	885	1,197	147	1,112	344	2,152	1,020	1,132	501	**	501	1,113	139	**
Walu	--	--	--	--	--	--	--	--	--	--	--	**	--	--	--	--	--
Kahala	--	**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Taape	--	--	--	--	--	--	--	--	**	--	--	--	--	--	--	--	--
Uku	--	--	**	**	--	--	--	--	**	**	--	--	--	**	**	**	--
Akule	--	--	**	--	--	--	--	--	**	--	--	--	--	**	**	--	--
Opelu	--	**	**	--	--	--	--	--	--	--	--	--	--	**	2,120	--	--
Kamanu	--	--	--	**	**	--	**	--	--	--	--	--	--	--	--	--	--
Kawalea	--	--	--	**	**	--	--	--	--	--	--	--	--	--	--	--	--
Squid	--	**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thresher	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**	--	--
Unclass./Misc.**	--	428	768	933	1,015	903	59	19,002	2,469	285	--	1,256	780	618	706	--	593
TOTAL	**	59,352	92,492	13,962	28,088	10,571	33,433	35,424	34,389	12,196	7,743	6,440	780	11,038	21,463	7,506	593

Oahu FADs															
SPECIES	J	P	R	S	T	U	V	X	BO	CO	HH	II	LL	MM	
Aku	4,824	466	2,544	1,239	1,189	627	5,177	6,522	7,603	2,691	151	2,722	8,808	6,912	
Bigeye	**	--	278	570	--	**	**	**	32	--	--	--	1,282	**	
Kawakawa	**	**	**	--	53	--	111	--	**	**	--	--	--	**	
Yellowfin	3,291	1,073	6,981	7,613	698	584	5,775	7,839	11,555	6,347	1,667	9,665	6,690	1,092	
Black marlin	--	--	--	--	--	--	--	--	**	--	--	--	--	--	
Blue marlin	406	**	5,620	7,009	587	**	1,927	917	7,248	2,587	**	2,317	**	**	
Sailfish	--	--	**	--	--	--	--	--	--	--	**	--	**	--	
Shortbill spearfish	**	**	**	154	80	--	**	**	**	**	--	--	**	**	
Striped marlin	--	**	**	508	--	--	**	**	452	493	**	**	--	**	
Kaku	**	**	**	**	--	--	**	--	39	--	--	--	--	--	
Mahimahi	4,518	6,812	1,514	978	2,081	967	1,400	7,489	4,916	5,373	1,079	4,856	5,743	5,624	
Ono	294	694	387	980	314	**	1,128	755	775	519	115	853	886	687	
Uku	--	--	--	--	**	--	**	--	--	--	--	--	--	--	
Akule	--	--	--	--	--	--	**	--	**	--	--	--	--	--	
Opelu	--	--	135	1,772	--	--	9,470	--	**	**	--	--	--	--	
White ulua	--	--	--	--	--	--	**	--	--	--	--	--	--	--	
Kawlea	--	--	--	--	--	--	**	--	--	--	--	--	--	--	
Mako	--	--	--	**	--	--	--	--	--	--	**	--	--	--	
Unclass./Misc.**	2,760	410	222	--	--	1,290	389	5,343	572	304	406	280	1,366	903	
TOTAL	16,093	9,455	17,681	20,823	5,002	3,468	25,377	28,865	33,192	18,314	3,418	20,693	24,775	15,218	

**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

SPECIES	K	M	N	Q	CC	DD	FF	GG	HO	HS	JJ	LA	MC	NL	SO
Aku	94	943	7,463	665	**	330	**	23	12,041	3,155	1,100	**	6,051	2,248	142
Bigeye	**	6,002	3,216	**	**	**	**	**	599	1,662	4,263	--	2,963	1,025	**
Kawakawa	**	--	--	--	--	--	--	--	**	**	--	--	--	--	--
Tombo	--	--	--	--	--	--	--	--	**	**	--	--	--	--	--
Yellowfin	**	4,994	8,039	822	**	**	1,738	512	7,309	8,651	2,383	--	15,737	8,918	**
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	**	--	1,449	**	--	**	--	**	615	**	--	--	406	**	**
Sailfish	--	--	**	--	--	--	--	--	--	**	--	--	--	--	--
Shortbill spearfish	146	--	--	**	--	--	**	**	**	--	--	--	104	**	**
Striped marlin	--	**	--	**	--	--	--	--	**	--	--	--	**	--	--
Kaku	--	--	--	--	--	--	--	--	**	--	--	--	--	--	--
Mahimahi	1,470	5,258	6,941	9,322	256	5,592	2,107	2,636	13,085	1,957	623	164	20,584	7,377	3,425
Ono	70	336	772	823	**	517	**	306	1,938	429	195	--	220	679	93
Uku	--	--	--	--	--	--	--	--	--	--	--	--	**	--	--
Opelu	--	--	--	--	--	--	--	--	**	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--	--	--	--	**	--	**
Unclass./Misc.**	882	--	--	827	166	3,542	560	711	267	447	--	--	412	1,089	750
TOTAL	2,662	17,533	27,880	12,459	422	9,981	4,405	4,188	35,854	16,301	8,564	164	46,477	21,336	4,410

Kauai FADs

SPECIES	Z	AA	BB	CK	DK	EK	KK	PP	WK
Aku	1,234	152	641	741	1,539	180	704	6,251	5,221
Bigeye	**	**	**	**	**	**	4,567	814	1,046
Kawakawa	**	**	--	**	**	--	--	**	--
Yellowfin	20,293	2,645	5,989	9,512	31,088	2,198	23,621	75,024	15,587
Tuna (misc.)	--	--	--	--	--	--	--	--	--
Black marlin	--	--	--	**	--	--	**	--	--
Blue marlin	1,428	--	**	**	**	**	2,363	980	1,246
Shortbill spearfish	154	**	--	**	--	--	--	**	--
Striped marlin	**	--	**	--	**	--	--	**	**
Mahimahi	1,927	1,035	2,024	1,361	1,639	196	1,774	1,778	613
Ono	468	**	116	239	473	248	1,637	960	397
Kahala	--	--	--	--	--	--	**	--	--
Uku	**	--	--	--	**	--	377	--	--
Akule	--	--	--	--	--	--	**	--	--
Opelu	--	**	--	--	--	--	--	--	--
Kamanu	--	**	--	--	--	--	--	--	--
Omilu	--	--	--	--	**	--	--	--	--
Squid	**	--	--	--	--	--	--	--	--
Unclass./Misc.**	267	3,163	2,619	775	720	--	325	441	--
TOTAL	25,771	6,995	11,389	12,628	35,459	2,822	35,368	86,248	24,110

Other FADs

SPECIES	MO	W1	W2	W3	W4	W8
Aku	397	--	--	550	**	**
Bigeye	**	--	--	39,917	**	**
Kawakawa	**	--	--	--	--	--
Tombo	--	--	--	--	**	--
Yellowfin	2,479	--	--	3,157	--	**
Blue marlin	--	--	--	**	--	--
Shortbill spearfish	--	--	--	**	**	--
Striped marlin	--	--	--	--	**	--
Swordfish	--	--	--	**	--	--
Kaku	--	--	--	**	**	--
Mahimahi	1,270	--	--	6,057	**	781
Monchong	--	--	--	**	--	--
Ono	--	--	--	172	**	**
Walu	--	--	--	**	--	--
Mako	--	--	--	**	--	--
Squid	--	--	--	**	--	--
Unclass./Misc.**	1,204	--	--	--	--	--
TOTAL	5,350	--	--	49,853	**	781

**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
Hawaii	A	South Pt.	7.2	**									**		
	B	Miloli'i	12.0	19,092	110	173.6	37,232	221	168.5				3,013	29	103.9
	C	Loa Pt.	12.0	41,299	263	157.0	48,272	292	165.3				2,921	31	94.2
	D	Kumukahi	6.2	10,021	34	294.7	3,819	5	763.8				**		
	E	Leleiwi	8.9	21,659	80	270.7	6,427	15	428.5				**		
	F	Kailua-Kona	8.9	9,384	62	151.4	637	5	127.4				550	4	137.5
	G	Pepe'ekeo	9.1	21,279	71	299.7	11,463	18	636.8				**		
	HK	Hakalau	4.6	35,424	26	1,362.5									
	KH	Kahena	8.7	12,247	47	260.6	18,767	40	469.2				3,375	19	177.6
	OT	Waikoloa Pt.	9.9	5,966	48	124.3	6,197	28	221.3				**		
	RN	Palima Pt.	12.0	9,640	23	419.1	**								
	SS	Apua Pt.	12.0	3,524	13	271.1	2,916	8	364.5						
	TT	Kanewa'a	7.2	780	6	130.0									
	UU	Auau	7.2	4,487	33	136.0	6,131	47	130.4				420	7	60.0
	VV	Kahalu'u	12.0	10,683	89	120.0	8,028	44	182.5				2,752	36	76.4
	XX	Puako	12.0	5,704	48	118.8	**								
ZZ	Waima Pt.	9.5	593	3	197.7										
Oahu	J	Waiale'e	8.3	14,667	91	161.2							**		
	P	Penguin Banks	12.0	9,303	82	113.5							**		
	R	Makaha	11.9	17,429	131	133.0	**						192	9	21.3
	S	Pokai Bay	10.8	18,847	122	154.5							2,018	12	168.2
	T	Makapu'u	12.0	5,023	57	88.1							**		
	U	Kane'ohe	9.7	3,428	24	142.8							**		
	V	Makua	12.0	15,239	150	101.6							10,221	54	189.3
	X	Kahuku	12.0	28,740	143	201.0							**		
	BO	Barbers Pt.	11.3	31,902	270	118.2	**						890	9	98.9
	CO	Ka'ena Pt.	12.0	18,046	134	134.7							**		
	HH	Pearl Harbor	8.2	3,398	49	69.3							**		
	II	Hale'iwa	11.3	20,666	119	173.7							**		
	LL	Hau'ula	11.3	17,086	90	189.8	1,048	5	209.6	**			160	3	53.3
	MM	Mokapu Pt.	10.0	14,818	84	176.4	**								

***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
Maui County	K	Palaoa	12.0	2,662	51	52.2									
	M	Hana Bay	7.1	17,252	59	292.4		**					**		
	N	Cape Halawa	12.0	27,360	110	248.7						576	7	82.3	
	Q	Pauwela Pt.	9.0	12,459	78	159.7									
	CC	Ka'ena Pt.	8.6	422	5	84.4									
	DD	Opana Pt.	9.9	9,466	64	147.9		**					**		
	FF	Pukaulua Pt.	6.4	4,405	14	314.6									
	GG	Nakaohu Pt.	12.0	4,188	69	60.7									
	HO	Ho'olawa Pt.	12.0	35,228	203	173.5		**				436	5	87.2	
	HS	Halona	12.0	16,213	121	134.0		**							
	JJ	Kamohio	12.0	8,564	36	237.9									
	LA	Lahaina	4.9	204	4	51.0									
	MC	Palaoa	12.0	42,691	336	127.1		**				3,556	13	273.5	
	NL	Nu'u	12.0	21,336	130	164.1									
SO	Kahoolawe	8.8	4,390	49	89.6							**			
Kauai	Z	Kipukai	12.0	16,334	139	117.5	8,996	22	408.9			441	8	55.1	
	AA	Port Allen	5.1	5,170	36	143.6	1,823	3	607.7			**			
	BB	Moloka'a	10.7	9,762	41	238.1		**				**			
	CK	Makahu'ena Pt.	10.9	11,592	71	163.3	716	5	143.2			320	4	80.0	
	DK	Anahola	12.0	21,975	133	165.2	13,169	26	506.5			315	3	105.0	
	EK	Hanalei	12.0	3,393	23	147.5		**							
	KK	Waimea	12.0	29,432	89	330.7	5,691	3	1,897.0				**		
	PP	Koloa	6.5	55,495	246	225.6	29,086	44	661.0			1,667	17	98.1	
	WK	Wailua	6.3	18,929	146	129.7	3,769	10	376.9			1,572	10	157.2	

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