

COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT

CALENDAR YEAR 2018



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

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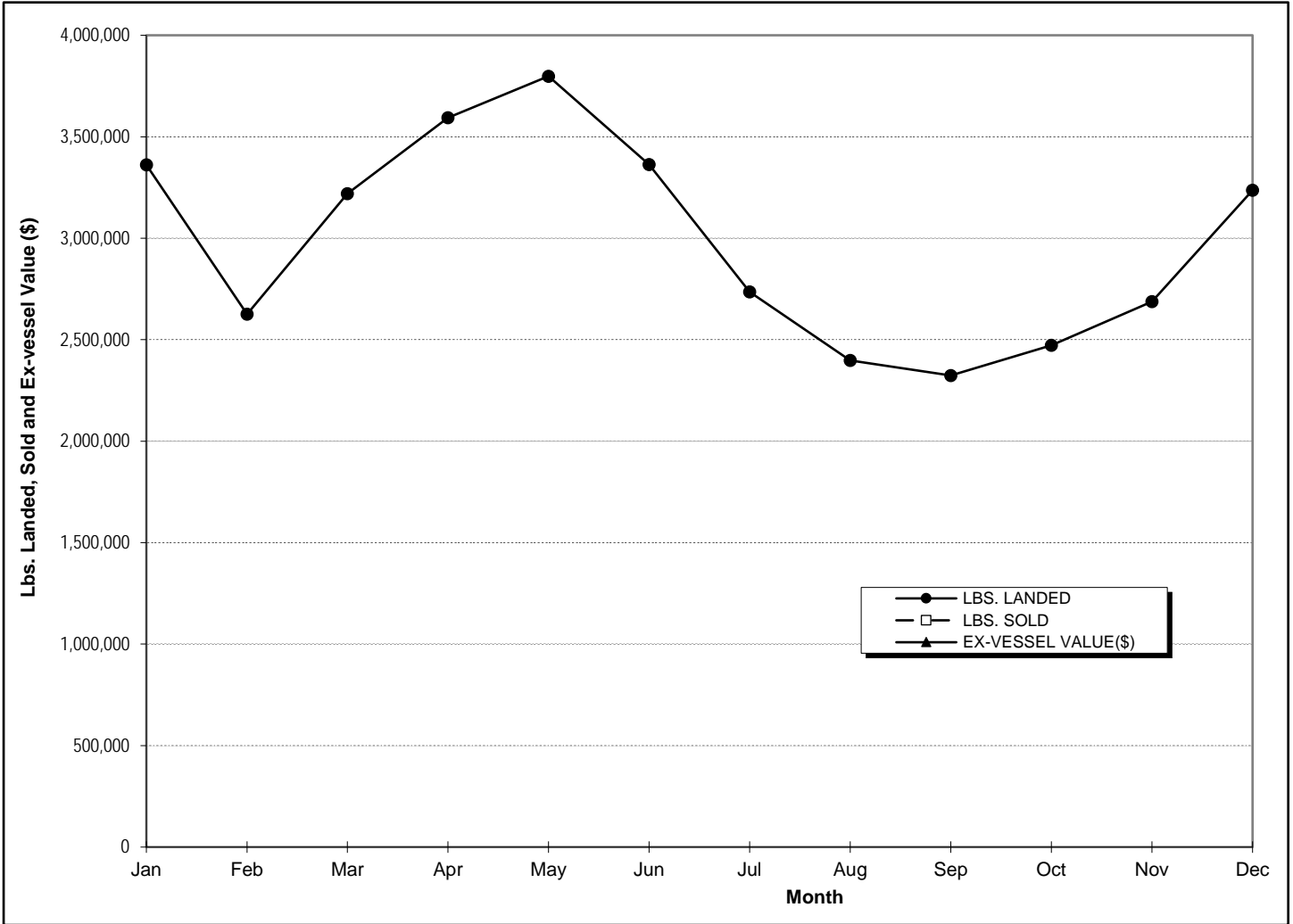
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Note: Data incomplete due to late submission and processing of fish catch records.

INTRODUCTION

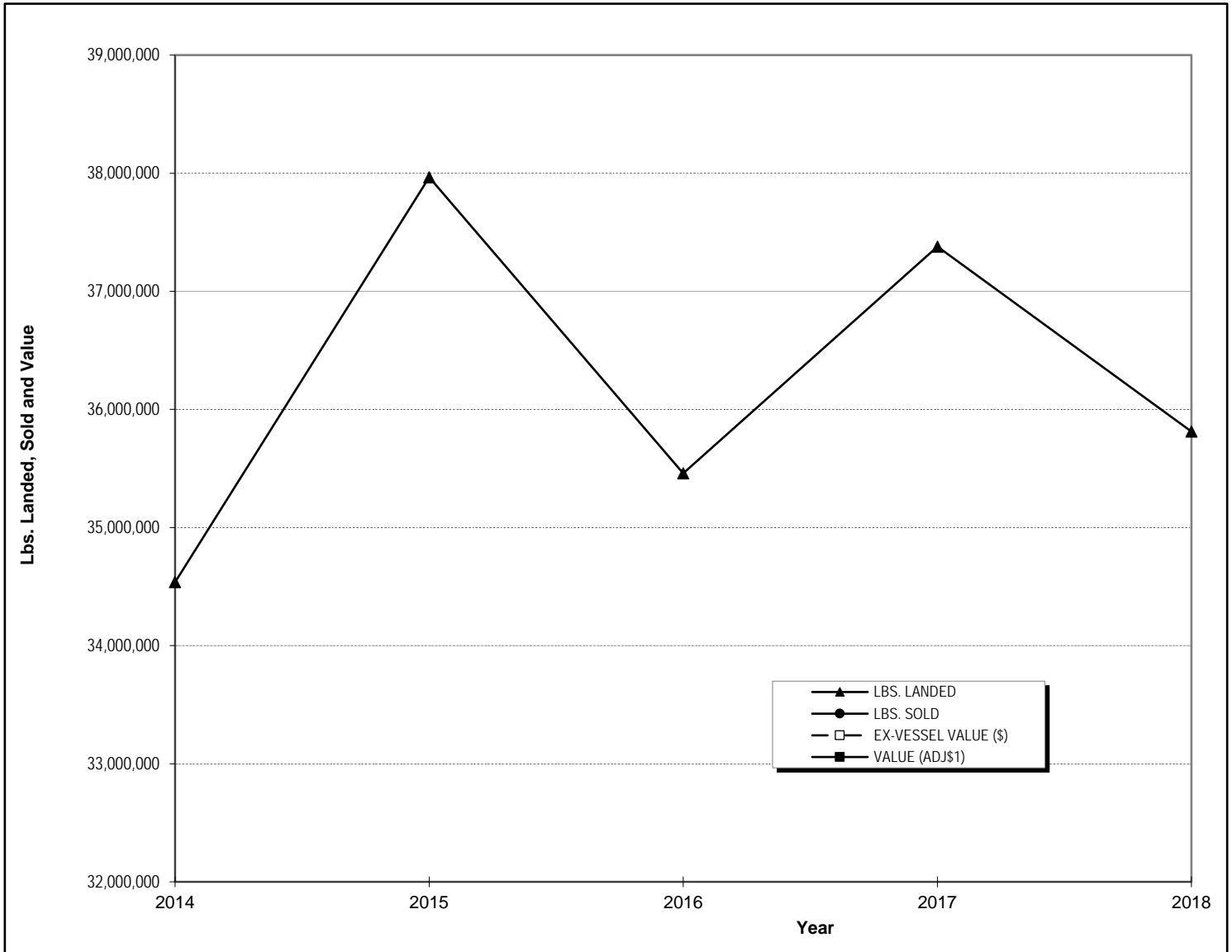
The information presented in this Commercial Marine Landing Summary Trend Report is compiled from fishing reports submitted by licensed fishermen. Commercial fishers are required to obtain commercial marine licenses and submit fishing reports to DLNR-DAR. In previous editions of these summary trend reports, 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, 2018**



MONTH	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE(\$)
<i>Jan</i>	3,361,591		
<i>Feb</i>	2,625,263		
<i>Mar</i>	3,219,102		
<i>Apr</i>	3,593,287		
<i>May</i>	3,798,285		
<i>Jun</i>	3,362,829		
<i>Jul</i>	2,735,326		
<i>Aug</i>	2,397,549		
<i>Sep</i>	2,323,735		
<i>Oct</i>	2,472,451		
<i>Nov</i>	2,687,466		
<i>Dec</i>	3,236,293		
TOTAL	35,813,178		

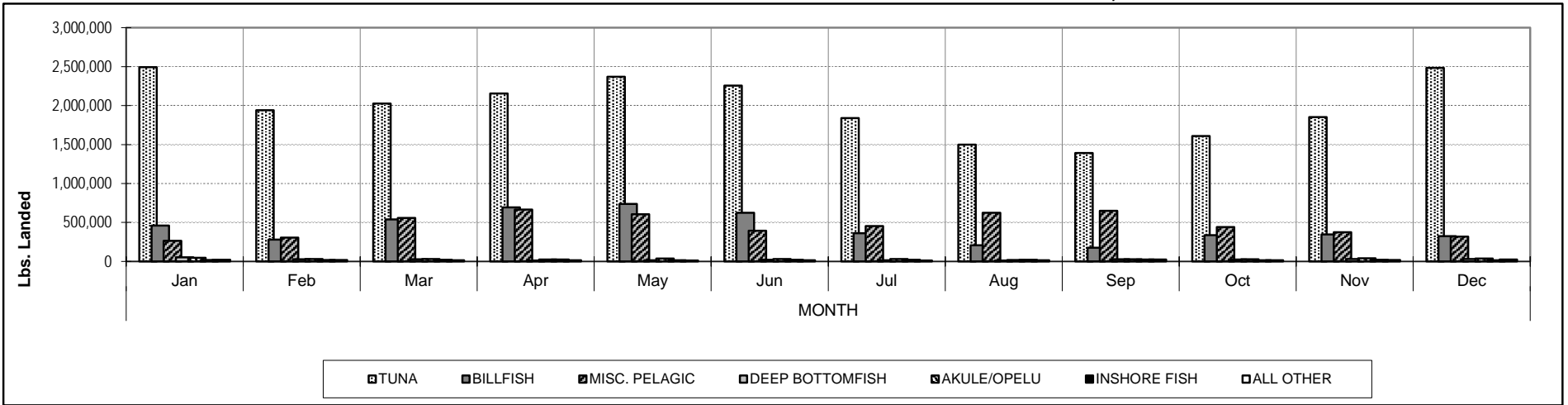
**CHART A.2
TOTAL SEA LANDINGS ANNUAL 5 - YEAR TRENDS, 2014- 2018**



YEAR	LBS. LANDED	LBS. SOLD	EX-VESSEL VALUE (\$)	HCPI¹	VALUE (ADJ\$¹)
2014	34,537,127				
2015	37,965,606				
2016	35,458,584				
2017	37,378,829				
2018	35,813,178				

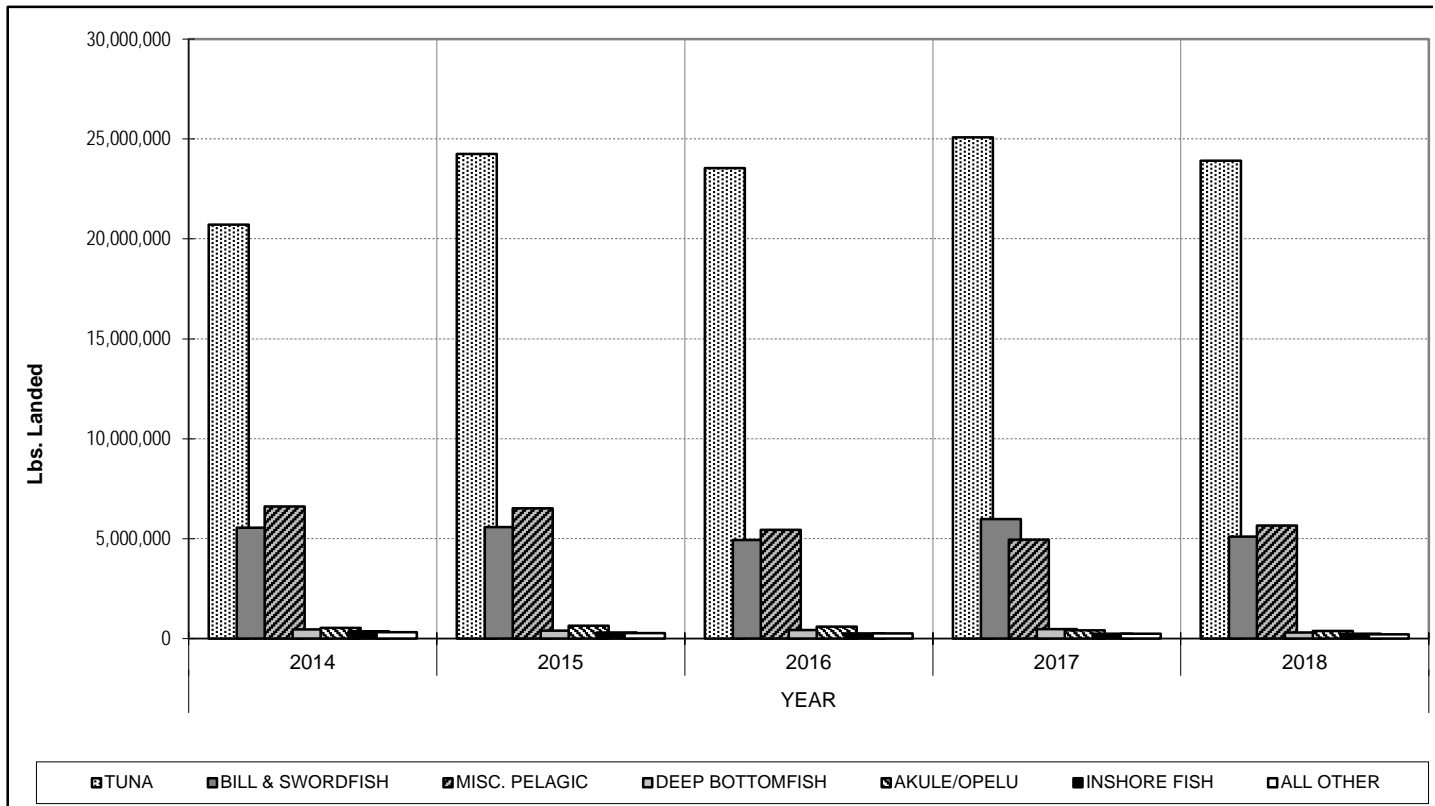
¹ Honolulu Consumer Price Index (all wage earners)

**CHART B.1
SEA LANDINGS BY SPECIES GROUP ANNUAL MONTHLY TRENDS, 2018**



Calendar Year 2018		MONTH												YEAR
SPECIES GROUP		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TUNA	Lbs. Landed	2,493,626	1,941,167	2,026,754	2,156,075	2,371,023	2,257,556	1,839,471	1,499,411	1,391,127	1,608,771	1,852,556	2,483,850	23,921,389
	Lbs. Sold													
	Ex-vessel Value (\$)													
BILLFISH	Lbs. Landed	461,594	281,503	539,009	694,199	739,092	623,311	362,871	208,363	177,351	338,464	348,148	324,987	5,098,893
	Lbs. Sold													
	Ex-vessel Value(\$)													
MISC. PELAGIC	Lbs. Landed	264,812	305,961	556,605	664,641	606,530	394,129	452,334	623,172	648,544	442,167	376,038	316,828	5,651,760
	Lbs. Sold													
	Ex-vessel Value(\$)													
DEEP BOTTOMFISH	Lbs. Landed	54,530	29,314	28,739	12,571	16,209	20,636	15,428	11,087	27,489	23,509	30,546	32,095	302,152
	Lbs. Sold													
	Ex-vessel Value (\$)													
AKULE/OPELU	Lbs. Landed	46,166	29,890	31,454	25,954	35,908	31,899	30,968	19,849	29,324	28,927	40,497	36,603	387,440
	Lbs. Sold													
	Ex-vessel Value (\$)													
INSHORE FISH	Lbs. Landed	19,168	17,701	21,669	23,896	16,293	21,420	20,841	21,643	26,058	16,304	20,845	15,948	241,785
	Lbs. Sold													
	Ex-vessel Value (\$)													
ALL OTHER	Lbs. Landed	21,696	19,726	14,872	15,951	13,230	13,878	13,414	14,024	23,842	14,309	18,837	25,981	209,759
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,361,591	2,625,263	3,219,102	3,593,287	3,798,285	3,362,829	2,735,326	2,397,549	2,323,735	2,472,451	2,687,466	3,236,293	35,813,178
	Lbs. Sold													
	Ex-vessel Value (\$)													

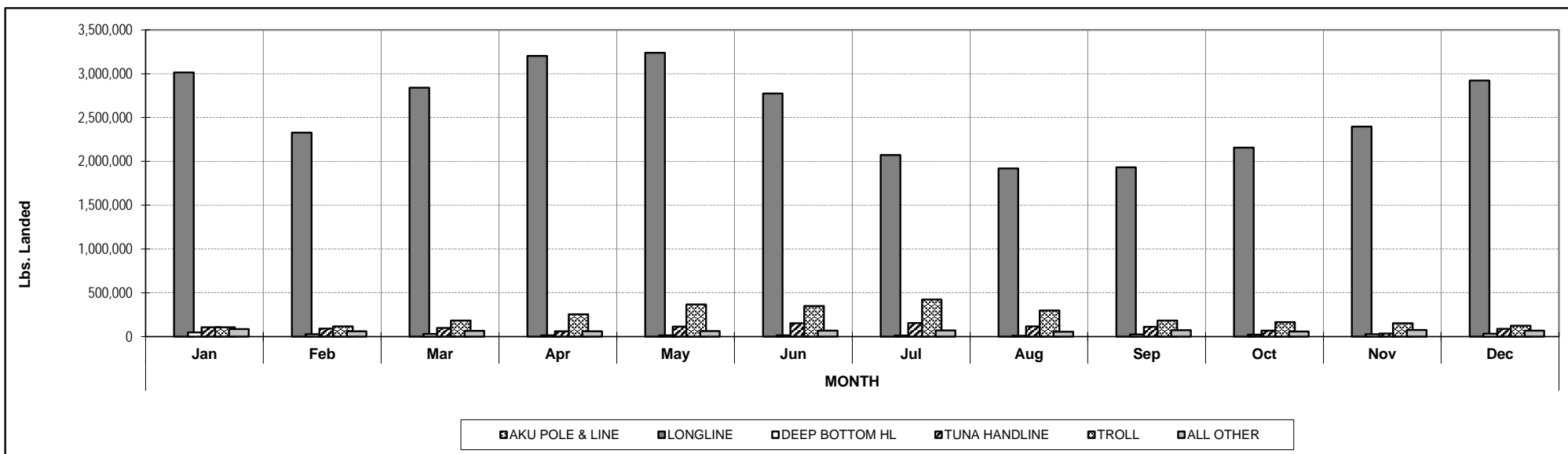
**CHART B.2
SEA LANDINGS BY SPECIES GROUPS ANNUAL 5 - YEAR TRENDS, 2014 - 2018**



<i>Calendar Year</i>		<i>YEAR</i>				
<i>SPECIES GROUP</i>		<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>
TUNA	<i>Lbs. Landed</i>	20,708,112	24,250,578	23,538,751	25,088,163	23,921,389
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
BILL & SWORDFISH	<i>Lbs. Landed</i>	5,547,146	5,579,796	4,935,545	5,973,798	5,098,893
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MISC. PELAGIC	<i>Lbs. Landed</i>	6,605,328	6,520,466	5,446,791	4,946,465	5,651,760
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
DEEP BOTTOMFISH	<i>Lbs. Landed</i>	454,659	397,664	426,192	476,032	302,152
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
AKULE/OPELU	<i>Lbs. Landed</i>	529,710	635,743	597,625	412,851	387,440
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
INSHORE FISH	<i>Lbs. Landed</i>	371,479	303,320	256,712	245,543	241,785
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
ALL OTHER	<i>Lbs. Landed</i>	320,693	278,038	256,967	235,978	209,759
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	34,537,127	37,965,606	35,458,584	37,378,829	35,813,178
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

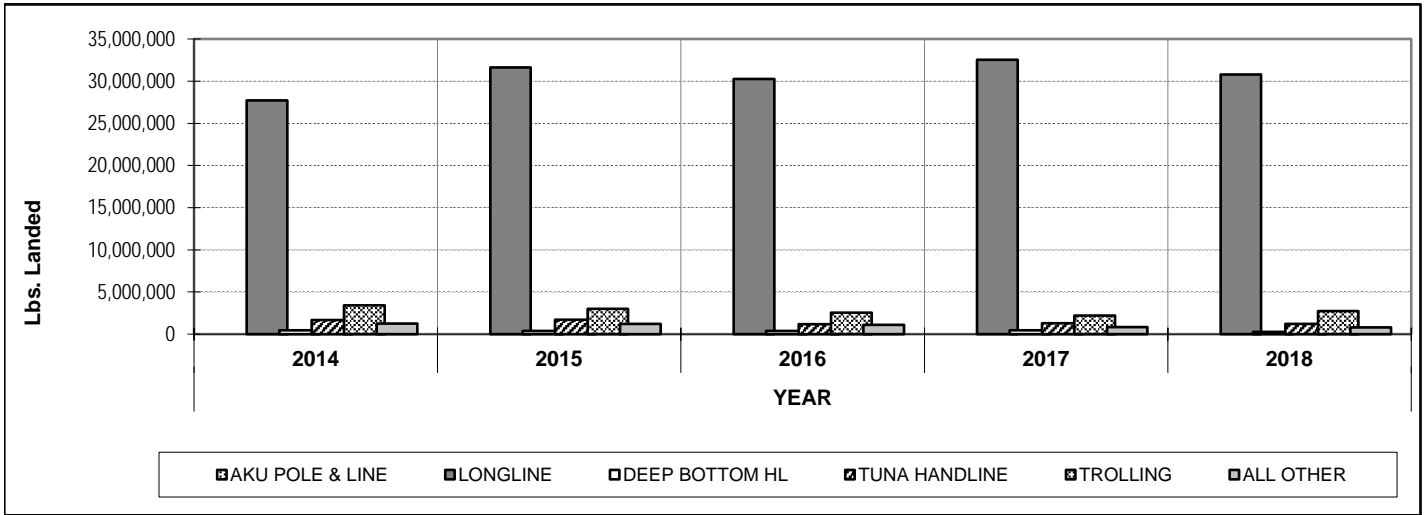
**CHART C.1
SEA LANDINGS BY FISHING METHOD ANNUAL MONTHLY TRENDS, 2018**



Calendar Year 2018		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 (\$)	3,013,904	2,327,326	2,839,819	3,202,145	3,239,571	2,774,520	2,072,991	1,919,725	1,931,237	2,157,683	2,396,151	2,923,385	30,798,457
DEEP BOTTOM HL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	48,853	27,939	30,274	15,732	14,006	15,493	12,596	9,756	24,959	22,693	28,559	32,765	283,624
TUNA HANDLINE	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	107,557	92,328	99,994	59,981	113,914	153,190	154,790	116,019	111,774	68,281	34,354	89,130	1,201,310
TROLL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	105,605	117,814	182,883	255,834	366,612	350,144	424,050	297,309	183,315	166,435	151,765	123,787	2,725,553
ALL OTHER	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	85,673	59,857	66,132	59,595	64,182	69,482	70,900	54,740	72,451	57,359	76,637	67,227	804,234
TOTAL	Lbs. Landed Lbs. Sold Ex-vessel Value (\$)	3,361,591	2,625,263	3,219,102	3,593,287	3,798,285	3,362,829	2,735,326	2,397,549	2,323,735	2,472,451	2,687,466	3,236,293	35,813,178

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

**CHART C.2
SEA LANDINGS FISHING METHOD ANNUAL 5 - YEAR TRENDS, 2014 - 2018**

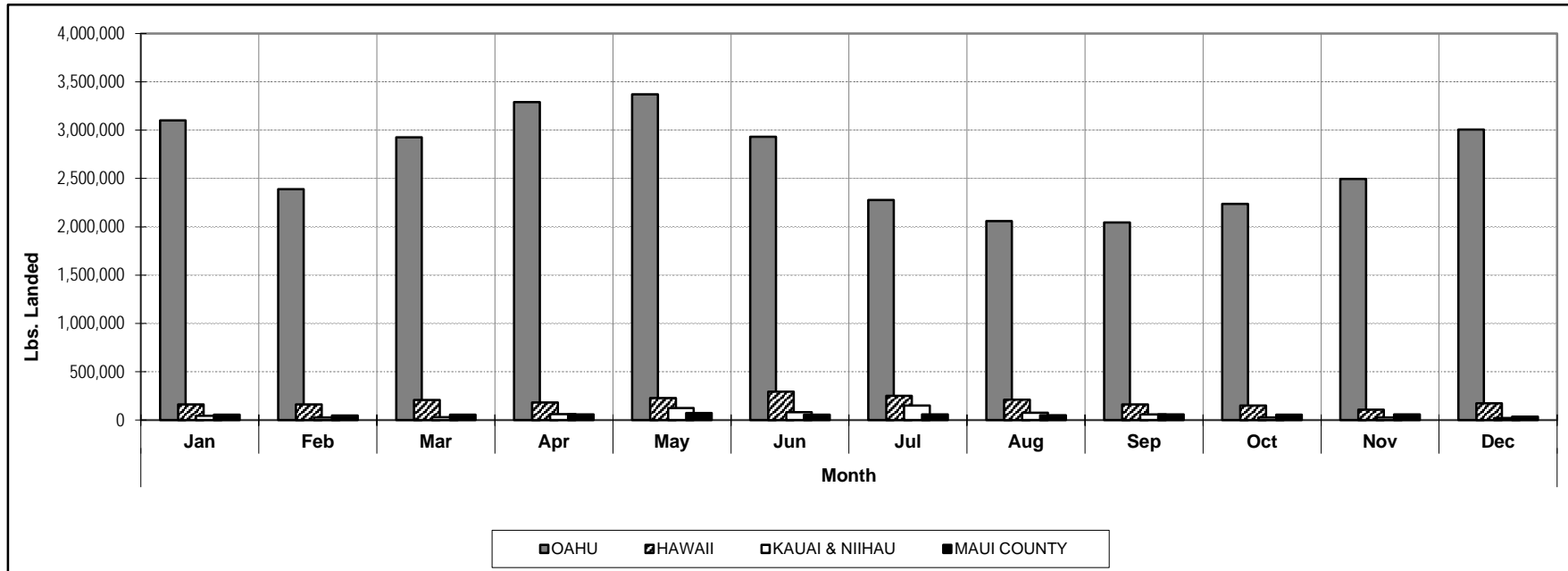


Calendar Year		YEAR				
FISHING METHOD		2014	2015	2016	2017	2018
AKU POLE & LINE	Lbs. Landed					
	Lbs. Sold					
	Value (Adj\$) ¹					
LONGLINE	Lbs. Landed	27,733,747	31,612,197	30,261,327	32,551,651	30,798,457
	Lbs. Sold					
	Value (Adj\$) ¹					
DEEP BOTTOM HL	Lbs. Landed	462,037	396,802	401,774	472,177	283,624
	Lbs. Sold					
	Value (Adj\$) ¹					
TUNA HANDLINE	Lbs. Landed	1,659,590	1,708,763	1,166,568	1,302,119	1,201,310
	Lbs. Sold					
	Value (Adj\$) ¹					
TROLLING	Lbs. Landed	3,416,304	3,015,034	2,540,086	2,196,628	2,725,553
	Lbs. Sold					
	Value (Adj\$) ¹					
ALL OTHER	Lbs. Landed	1,265,450	1,232,808	1,088,829	856,254	804,234
	Lbs. Sold					
	Value (Adj\$) ¹					
TOTAL	Lbs. Landed	34,537,127	37,965,606	35,458,584	37,378,829	35,813,178
	Lbs. Sold					
	Value (Adj\$) ¹					

¹ Honolulu Consumer Price Index (all wage earners)

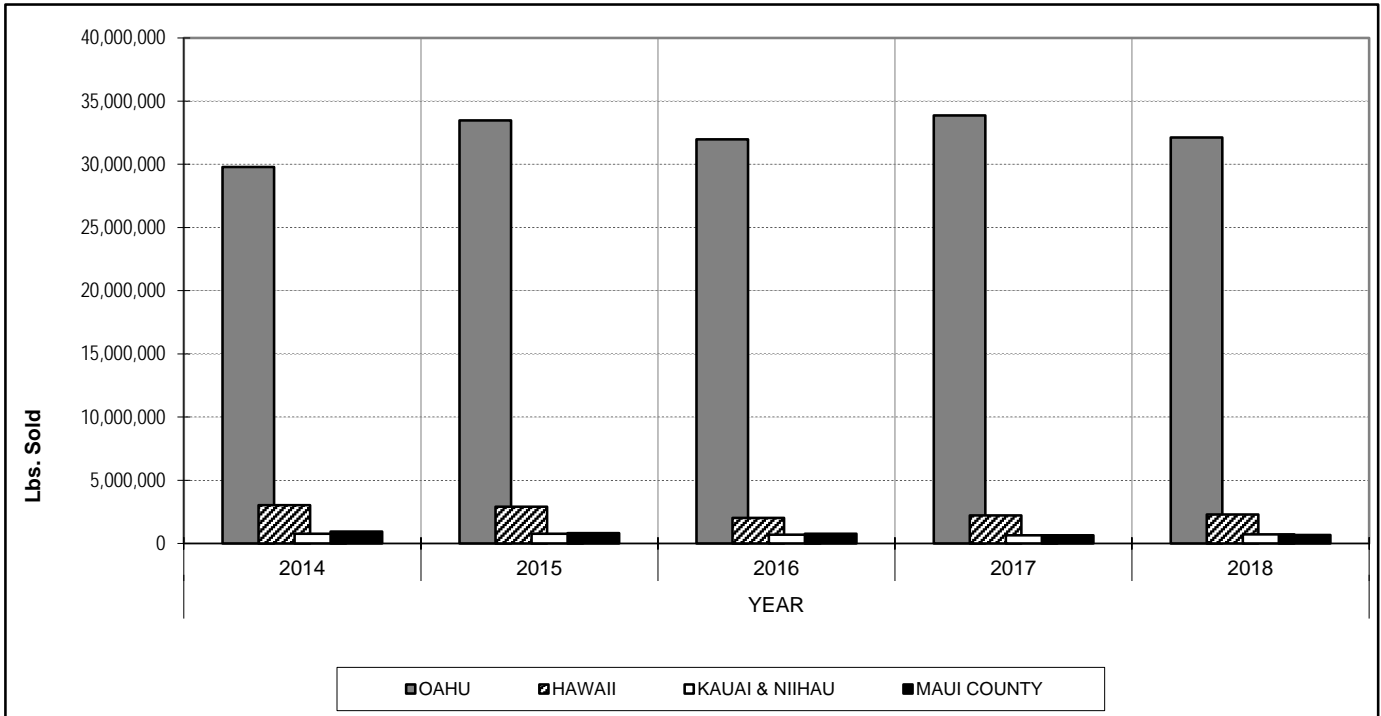
Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are not listed.

**CHART D.1
SEA LANDINGS BY PORT ANNUAL MONTHLY TRENDS, 2018**



Calendar Year 2018		Month												TOTAL
PORT		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
OAHU	Lbs. Landed	3,101,058	2,388,061	2,925,777	3,289,915	3,371,704	2,933,069	2,278,271	2,059,961	2,046,064	2,237,277	2,495,495	3,007,220	32,133,873
	Lbs. Sold													
	Ex-vessel Value (\$)													
HAWAII	Lbs. Landed	160,514	161,661	207,165	182,684	227,800	292,759	249,541	209,765	160,563	151,735	106,587	174,436	2,285,210
	Lbs. Sold													
	Ex-vessel Value (\$)													
KAUAI & NIIHAU	Lbs. Landed	44,102	28,182	29,627	61,079	125,035	81,013	149,856	76,871	58,174	27,231	28,219	19,973	729,360
	Lbs. Sold													
	Ex-vessel Value (\$)													
MAUI COUNTY	Lbs. Landed	55,918	47,359	56,533	59,609	73,747	55,987	57,659	50,952	58,934	56,208	57,165	34,665	664,735
	Lbs. Sold													
	Ex-vessel Value (\$)													
TOTAL	Lbs. Landed	3,361,591	2,625,263	3,219,102	3,593,287	3,798,285	3,362,829	2,735,326	2,397,549	2,323,735	2,472,451	2,687,466	3,236,293	35,813,178
	Lbs. Sold													
	Ex-vessel Value (\$)													

**CHART D.2
SEA LANDINGS BY PORT ANNUAL 5-YEAR TRENDS, 2014 - 2018**



<i>Calendar Year</i>		<i>YEAR</i>				
PORT		2014	2015	2016	2017	2018
OAHU	<i>Lbs. Landed</i>	29,789,387	33,479,596	31,969,413	33,870,735	32,133,873
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
HAWAII	<i>Lbs. Landed</i>	3,025,511	2,905,006	2,009,945	2,218,973	2,285,210
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
KAUAI & NIIHAU	<i>Lbs. Landed</i>	769,950	775,025	704,139	635,363	729,360
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
MAUI COUNTY	<i>Lbs. Landed</i>	952,280	805,979	775,086	653,759	664,735
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					
TOTAL	<i>Lbs. Landed</i>	34,537,127	37,965,606	35,458,584	37,378,829	35,813,178
	<i>Lbs. Sold</i>					
	<i>Value (Adj\$)¹</i>					

¹ Honolulu Consumer Price Index (all wage earners)

APPENDICES
Statistical Tables
Calendar 2018

Appendix A - Sea Landings by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
TUNAS				AKULE/OPELU			
Aku	519,709			Akule	262,713		
Bigeye	15,769,513			Hahalalu	6,110		
Bluefin	855			Opelu	118,603		
Kawakawa	9,688			Opelu Mama			
Keokeo				SUBTOTAL	387,426		
Striped bonito (dog tooth)	62			JACKS			
Tombo	232,777			Barred-jack	63		
Yellowfin	7,388,442			Butaguchi	189		
Unclassified	343			Dobe	885		
SUBTOTAL	23,921,389			Gunkan	342		
BILLFISHES & SWORDFISH				Kagami	280		
Black marlin	4,554			Kamanu	4,286		
Blue marlin	1,790,878			Lae	169		
Sailfish	31,120			Omaka			
Shortbill spearfish	500,564			Menpachi (sasa)	320		
Striped marlin	1,062,506			Omilu	5,099		
Swordfish	1,706,734			Paopao	27		
Unclassified	2,537			Papa	12,571		
SUBTOTAL	5,098,893			White	8,535		
MISC. PELAGIC FISHES				SUBTOTAL	32,765		
Kaku	9,089			INSHORE FISHES			
Mahimahi	1,041,854			<i>Parrotfishes</i>			
Monchong	851,143			Panuhunuhu	81		
Ono	1,148,760			Panunu			
Opah	2,304,823			Uhu	47,040		
Walu	296,092			<i>Goatfishes</i>			
SUBTOTAL	5,651,760			Kumu	737		
DEEP BOTTOMFISHES				Malu	20		
Alfonsin				Moana kali	1,471		
Aweoweo (Deepsea)	253			Moano	1,414		
Ehu	17,722			Munu	440		
Golden kale	246			Weke nono	4,380		
Hapuupuu	5,463			Weke, red	18,637		
Hauliuli	33			Weke, white	2,962		
Hogo	973			<i>Surgeonfishes</i>			
Kahala	15,586			Api	37		
Kalekale	9,700			Black kole			
Lehi	6,469			Kala	9,859		
Opakapaka	84,812			Kalalei	3,567		
Randall snapper	45			Kole	1,477		
Taape	28,605			Maiko	1,704		
Ukikiki (gindai)	1,813			Manini	12,572		
Uku	74,902			Naenae	5,734		
Ulaula (onaga)	55,496			Opelu kala	2,260		
Yellow-tail kale	16			Pakuikui	173		
SUBTOTAL	302,135			Palani	25,234		
				Pualu	5,133		

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>Damselfishes</i>				Mako	103,212		
Maomao	577			Thresher	4,402		
<i>Squirrelfishes</i>				Tiger			
Alaihi	92			Unclass/misc	2,017		
Alaihi mama				SUBTOTAL	109,631		
Uu	41,323			LOBSTERS			
<i>Wrasses</i>				Ula, Green spiny	4,325		
Aawa	1,150			Ula, Red spiny			
Hilu				Haanii (slipper)	29		
Hinalea	41			Squammosus			
Laenihi	1,914			SUBTOTAL	4,354		
Poou				CRABS			
Unclass./misc.	129			Aama			
<i>Miscellaneous Inshore Fishes</i>				Kona	2,712		
Ahaaha	159			Kuahonu			
Aholehole	1,957			Samoan	1,196		
Amaama	2,159			Crab (unclass./misc.)	12,895		
Awa	1,409			SUBTOTAL	16,803		
Awaawa	335			SHRIMP			
Aweoweo	3,139			Ensifer			
Gold spot herring				Laevigatus	11,531		
Hihimanu				SUBTOTAL	11,531		
Humuhumu	91			OTHER ANIMALS			
Iheihe				Hee (day tako)	12,607		
Kawelea	996			Hee (night tako)			
Loulu	456			He'e (unclass./misc.)	389		
Makiawa				Muhe'e (squid)	328		
Moi	337			Opihi makaiauli	2,183		
Mu	4,053			Opihi 'alina	11,078		
Nenu'e	9,521			Opihi (unclass./misc.)			
Nohu	1,132			Ha'uke'uke			
Nunu	96			Slate pencil urchins			
Oio	5,287			SUBTOTAL	26,587		
Oopuhue				SHELLS			
Pakii	23				na		
Poopaa	468			SUBTOTAL	---		
Puhi (brown)	1,183			SEAWEEDS			
Puhi (white)				Limu kohu	4,318		
Puhi (misc.)				Limu (unclass./misc.)	242		
Roi	5,082			SUBTOTAL	4,560		
Summer mullet				Unclass./misc.			
Tilapia					13,081		
Toau	4,036			TOTAL	35,813,178		
Uouoa	91						
Wahanui	95						
SUBTOTAL	232,263						

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.

Appendix B - Sea Landings by Fishing Method

FISHING METHOD	LBS. LANDED	LBS. SOLD	VALUE(\$)
Aku pole & line			
Longline	30,798,457		
Deepbottom handline	283,624		
Inshore handline	190,893		
Tuna handline	1,201,310		
Other handline	201		
Trolling	2,725,553		
Diving	127,715		
Net	321,330		
Trap	43,598		
Rod & reel (casting, dunking, etc.)	97,395		
Handpick (limu & opihi)	18,897		
Unclass./Misc.	4,205		
TOTAL	35,813,178		

Appendix C - Sea Landings by Island

ISLAND	LBS. LANDED	LBS. SOLD	VALUE(\$)
Oahu	32,133,873		
Hawaii	2,285,210		
Maui	631,107		
Kauai & Niihau	729,360		
Molokai	21,488		
Lanai	12,141		
STATE TOTAL	35,813,178		

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)	25,369		
Kaulakahi Channel (521,525)	52,958		
Niihau (505-506,526,527)	25,235		
Makahuena Pt. - Kekaha (500,520)	232,426		
Barking Sands - Na Pali Coast (501-502,522)	47,554		
Hanalei - Moloa'a Bay (503,523)	50,979		
Anahola - Nawiliwili (504,524)	294,047		
Sand Is. - Ala Wai (400,420)	44,703		
Pearl Harbor - Barbers Pt. (401,421)	110,553		
Barbers Pt. - Kaena Pt. (402-403,422-423)	446,862		
Kaena Pt. - Kahuku (404-405,424-425)	228,845		
Laie Pt. - Kahana Bay (406-426)	101,928		
Kaneohe Bay (407,427)	118,477		
Kailua Bay - Makapuu Pt. (408,428)	22,886		
Makapuu Pt. - Diamond Head (409)	15,204		

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

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Kawai (Molokai) Channel (332,429)	12,926		
Penguin Bank (331)	82,003		
Kealaikahiki Channel (327)	78,980		
Alenuihaha Channel (324-325)	86,993		
Auau, Kalohi & Pailolo Channels (321)	25,424		
Alalakeiki Channel (320)	79,876		
Molokai (310-314,333)	15,417		
Lanai (308-309,328)	76,996		
Kahoolawe (306-307,326)	7,265		
Makena - Hana (304-305)	16,202		
Hana - Kahului (302-303,322-323)	234,108		
Honolua - Lahaina (301)	2,650		
Lahaina - Makena (300)	44,439		
Milolii - South Pt. (100,108,120,128)	177,949		
Punaluu - Kalapana (107,127)	64,757		
Kona Coast (101,121)	988,323		
Keahole - Kawaihae (102,122)	187,017		
Kohala - Hamakua Coast (103-104,123-124)	18,498		
Hilo (105,125)	272,003		
Puna - Kalapana (106,126)	195,193		
Other (all other area codes from Fisheries Chart No. 1 not listed above)	139,984		
SUBTOTAL	4,625,028		

**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) 31,188,150

TOTAL 35,813,178

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

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	947	341	1,011	904	569	266	9,287	--	--	1,824	--	--	947	141	280	107	--
Bigeye	--	--	7,023	--	--	--	--	--	--	449	--	--	--	379	2,027	--	--
Kawakawa	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tombo	--	1,729	3,059	--	--	--	715	--	--	--	--	--	--	1,782	1,680	--	--
Yellowfin	9,720	22,327	36,949	14,305	19,953	10,266	72,693	2,965	13,206	28,851	--	--	7,621	4,716	18,254	625	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Black marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	--	1,658	2,648	--	--	2,190	6,780	--	--	5,414	--	--	550	--	5,425	--	--
Sailfish	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	161	--	--	--	--	--	--	85	--	--	--	--	178	--	--
Striped marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Swordfish	--	--	--	--	--	--	471	--	--	--	--	--	--	--	--	--	--
Mahimahi	1,347	1,454	2,698	555	3,435	1,254	26,886	323	4,985	4,238	--	400	932	664	991	7,911	--
Monchong	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ono	964	1,870	1,912	1,110	816	124	5,948	--	3,421	477	--	--	541	134	915	--	--
Uku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Akule	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	233	--	--	--	--	--	--	--	--	--	--
White ulua	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kawalea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mako shark	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Squid	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	1,178	627	550	964	1,503	535	546	219	3,144	--	--	562	--	--	883	393	--
TOTAL	14,156	30,006	56,010	17,838	26,275	14,633	123,560	3,507	24,756	41,337	--	962	10,591	7,816	30,632	9,035	0

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	487	952	1,203	532	1,305	1,486	1,069	1,433	1,802	419	168	887	5,088	4,352
Bigeye	--	--	--	--	--	--	--	--	--	--	--	--	1,550	--
Kawakawa	--	123	--	--	--	--	--	--	--	--	--	--	--	--
Yellowfin	3,743	887	3,664	4,419	2,020	3,942	1,050	5,503	12,829	6,376	308	4,267	26,410	4,893
Blue marlin	1,372	--	14,217	3,893	507	--	--	1,570	7,092	935	--	--	1,387	--
Sailfish	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--	--	--	381	--	--	--	--	--
Striped marlin	--	--	504	--	--	--	--	--	641	--	236	--	380	--
Billfish (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mahimahi	1,155	1,613	1,349	1,001	5,471	2,523	147	3,547	3,257	812	614	797	8,679	6,974
Ono	481	572	95	167	561	347	--	581	1,145	--	93	672	612	710
Uku	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Akule	--	--	265	--	--	--	--	--	--	--	--	--	--	--
Opelu	--	--	235	665	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Omilu	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aha	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mako shark	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shark (Misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Squid	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	--	1,403	81	372	475	--	596	--	--	464	1,392	412	301	483
TOTAL	7,238	5,550	21,612	11,049	10,339	8,298	2,863	12,634	27,147	9,006	2,811	7,035	44,407	17,412

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	84	2,223	784	--	--	--	2,471	917	2,303	1,290	--	--	--	73	--
Bigeye	--	--	--	--	--	--	--	201	--	460	--	--	--	283	--
Yellowfin	382	24,147	5,820	2,049	--	--	18,136	5,917	9,136	14,358	912	--	7,218	3,434	--
Tuna (misc.)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue marlin	--	1,096	475	--	--	--	1,848	883	1,043	--	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Striped marlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mahimahi	5,585	16,538	7,091	4,977	113	--	28,895	5,216	19,301	3,998	941	--	11,971	5,637	6,941
Ono	1,957	1,970	1,731	855	--	--	1,705	716	2,667	1,019	--	--	258	769	--
Opelu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Omilu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
White ulua	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oceanic whitetip shark	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unclass./Misc.	--	--	--	--	--	--	--	235	--	308	--	--	546	--	3,587
TOTAL	8,008	45,973	15,901	7,881	113	0	53,055	14,084	34,450	21,433	1,852	0	19,993	10,196	10,528

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	290	1,642	--	1,846	--	--	--	--	2,780
Bigeye	--	--	--	--	--	--	--	--	--
Kawakawa	--	--	--	--	--	--	--	--	--
Tombo	--	--	--	--	--	--	--	--	--
Yellowfin	10,669	15,722	--	8,137	782	14,114	5,163	8,868	11,199
Black marlin	--	--	--	--	--	--	--	--	--
Blue marlin	884	--	--	924	--	--	--	--	760
Sailfish	--	--	--	--	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--	--	--	239
Striped marlin	--	--	--	--	--	--	--	--	--
Swordfish	--	--	--	--	--	--	--	--	--
Kaku	--	--	--	--	--	--	--	--	--
Mahimahi	781	1,716	--	963	--	93	--	1,191	2,393
Ono	389	430	--	711	--	565	--	467	1,108
Uku	--	--	--	--	--	--	--	--	--
Akule	--	--	--	--	--	--	--	--	--
Opelu	--	--	--	--	--	--	--	--	--
Unclass./Misc.	741	946	1,039	283	471	932	1,241	1,729	468
TOTAL	13,754	20,456	1,039	12,864	1,253	15,704	6,404	12,255	18,947

Other FADs

<i>SPECIES</i>	<i>MO</i>	<i>W1</i>	<i>W2</i>	<i>W3</i>	<i>W4</i>	<i>W8</i>
Aku	--	--	--	--	--	--
Bigeye	--	--	--	--	--	--
Kawakawa	--	--	--	--	--	--
Tombo	--	--	--	--	--	--
Yellowfin	2,931	--	--	--	--	--
Blue marlin	--	--	--	--	--	--
Shortbill spearfish	--	--	--	--	--	--
Swordfish	--	--	--	--	--	--
Mahimahi	1,813	--	--	--	--	3,780
Ono	--	--	--	--	--	--
Akule	--	--	--	--	--	--
Kamanu	--	--	--	--	--	--
Unclass./Misc.	1,944	--	--	--	--	--
TOTAL	6,688	0	0	0	--	3,780

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		
Hawaii	A	South Pt.	12.0	3,990	13	306.9											
	B	Miloli'i	9.2	9,563	64	149.4	20,333	90	225.9								
	C	Loa Pt.	12.0	23,400	173	135.3	31,836	162	196.5				775	6	129.2		
	D	Kumukahi	11.5	8,274	40	206.9	9,564	30	318.8								
	E	Leleiwi	12.0	16,198	93	174.2	9,765	35	279.0				312	4	78.0		
	F	Kailua-Kona	9.2	9,725	60	162.1	4,908	26	188.8								
	G	Pepe'ekeo	12.0	90,153	341	264.4	31,644	108	293.0				1,762	23	76.6		
	HK	Hakalau	1.9	2,968	6	494.7											
	KH	Kahena	11.5	16,426	30	547.5	8,222	24	342.6								
	OT	Waikoloa Pt.	12.0	17,791	111	160.3	23,618	73	323.5								
	RN	Palima Pt.	12.0														
	SS	Apua Pt.	12.0	835	5	167.0											
	TT	Kanewa'a	6.4	5,216	34	153.4	5,425	31	175.0								
	UU	Auau	12.0	2,288	24	95.3	5,345	21	254.5								
	VV	Kahalu'u	12.0	14,502	114	127.2	15,776	67	235.5				354	4	88.5		
XX	Puako	12.0	8,916	54	165.1												
ZZ	Waima Pt.	0.0															
Oahu	J	Waiale'e	8.9	6,953	42	165.5							2,364	10	236		
	P	Penguin Banks	9.2	5,550	43	129.1											
	R	Makaha	12.0	20,680	113	183.0							911	29	31.4		
	S	Pokai Bay	12.0	10,246	64	160.1							803	18	44.6		
	T	Makapu'u	12.0	10,339	75	137.9											
	U	Kane'ohe	7.1	8,056	75	107.4											
	V	Makua	12.0	2,410	18	133.9											
	X	Kahuku	7.1	12,342	55	224.4											
	BO	Barbers Pt.	12.0	27,136	237	114.5											
	CO	Ka'ena Pt.	5.1	9,006	41	219.7											
	HH	Pearl Harbor	5.1	2,749	23	119.5											
	II	Hale'iwa	8.9	7,035	48	146.6											
	LL	Hau'ula	8.1	41,988	179	234.6	1,175	5	235.0				1,244	5	248.8		
MM	Mokapu Pt.	8.9	17,328	102	169.9												

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	12.0	13,280	171	77.7									
	M	Hana Bay	12.0	45,759	126	363.2									
	N	Cape Halawa	9.1	15,901	69	230.5									
	Q	Pauwela Pt.	5.1	8,061	46	175.2									
	CC	Ka'ena Pt.	10.7	138	4	34.5									
	DD	Opana Pt.	1.9												
	FF	Pukaulua Pt.	12.0	72,929	129	565.3									
	GG	Nakaohu Pt.	12.0	13,414	87	154.2	670	5	134.0						
	HO	Ho'olawa Pt.	12.0	33,650	175	192.3									
	HS	Halona	12.0	16,159	94	171.9									
	JJ	Kamohio	8.9	1,627	10	162.7									
	LA	Lahaina	3.5												
	MC	Palaoa	12.0	4,717	24	196.6									
	NL	Nu'u	9.2	9,620	50	192.4	496	3	165.2						
SO	Kahoolawe	6.4	10,528	30	350.9										
<i>Kauai</i>	Z	Kipukai	8.9	11,797	81	145.6									
	AA	Port Allen	7.9	19,946	89	224.1									
	BB	Moloa'a	12.0	1,039	7	148.4									
	CK	Makahu'ena Pt.	12.0	12,631	71	177.9									
	DK	Anahola	11.9	1,253	11	113.9									
	EK	Hanalei	12.0	15,704	60	261.7									
	KK	Waimea	8.9	6,404	30	213.5									
	PP	Koloa	8.9	11,653	52	224.1									
WK	Wailua	12.0	18,834	180	104.6										

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