

COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT

CALENDAR YEAR 1999

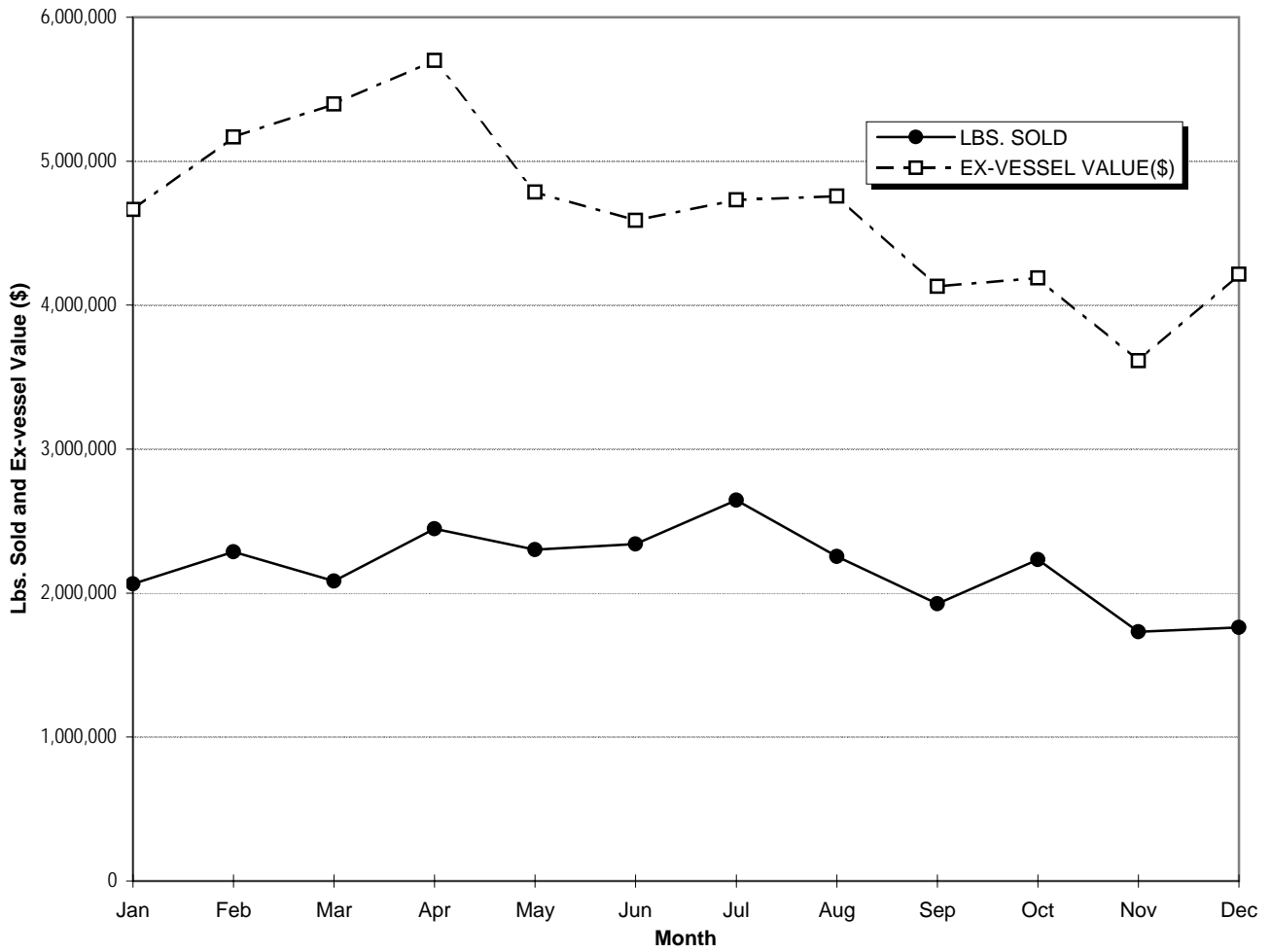


**DIVISION OF AQUATIC RESOURCES
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE OF HAWAII**

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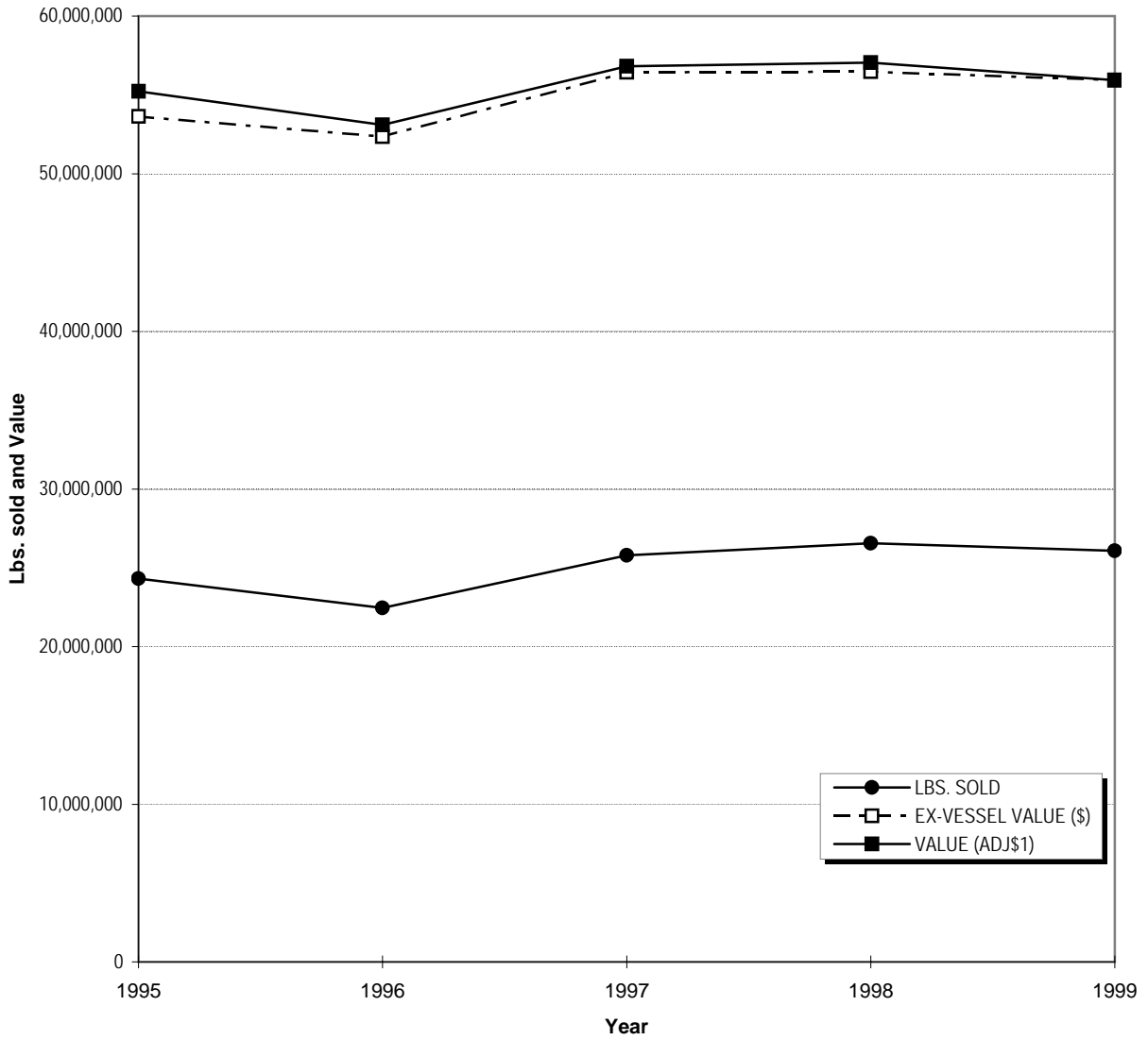
**CHART A.1
TOTAL SEA LANDINGS ANNUAL MONTHLY TRENDS, 1999**



MONTH	LBS. SOLD	EX-VESSEL VALUE(\$)
<i>Jan</i>	2,064,023	4,664,907
<i>Feb</i>	2,286,785	5,167,481
<i>Mar</i>	2,083,789	5,396,239
<i>Apr</i>	2,446,840	5,699,351
<i>May</i>	2,300,842	4,785,783
<i>Jun</i>	2,340,116	4,588,428
<i>Jul</i>	2,646,429	4,730,741
<i>Aug</i>	2,254,408	4,756,691
<i>Sep</i>	1,926,381	4,130,752
<i>Oct</i>	2,233,789	4,187,768
<i>Nov</i>	1,730,672	3,613,314
<i>Dec</i>	1,762,375	4,214,727
TOTAL	26,076,449	55,936,181

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

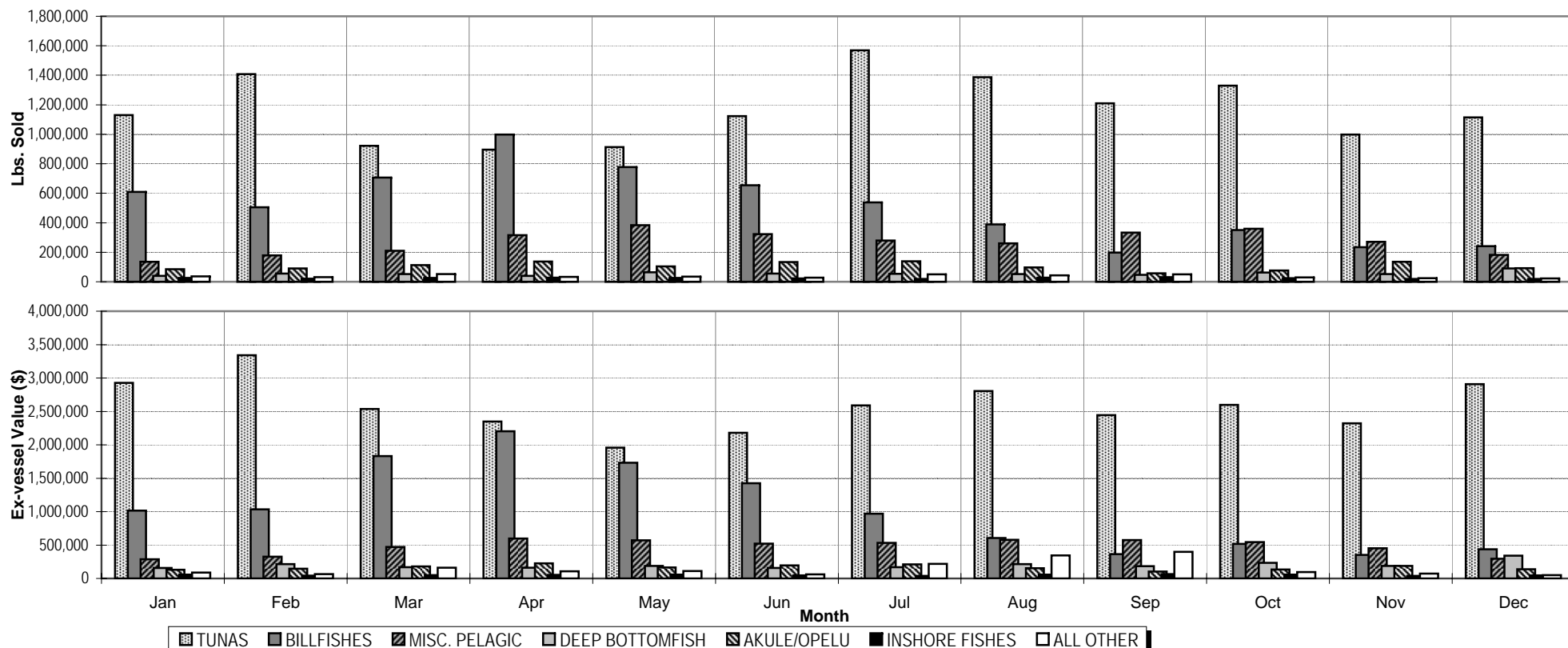
**CHART A.2
TOTAL SEA LANDINGS ANNUAL 5 - YEAR TRENDS, 1995 - 1999**



YEAR	LBS. SOLD	EX-VESSEL VALUE (\$)	HCPI¹	VALUE (ADJ\$¹)
1995	24,312,349	53,642,000	168.4	55,234,696
1996	22,445,755	52,353,358	171.0	53,088,142
1997	25,792,857	56,425,781	172.2	56,818,992
1998	26,558,911	56,464,231	171.6	57,056,513
1999	26,076,449	55,936,181	173.4	55,936,181

¹ Honolulu Consumer Price Index (all wage earners)

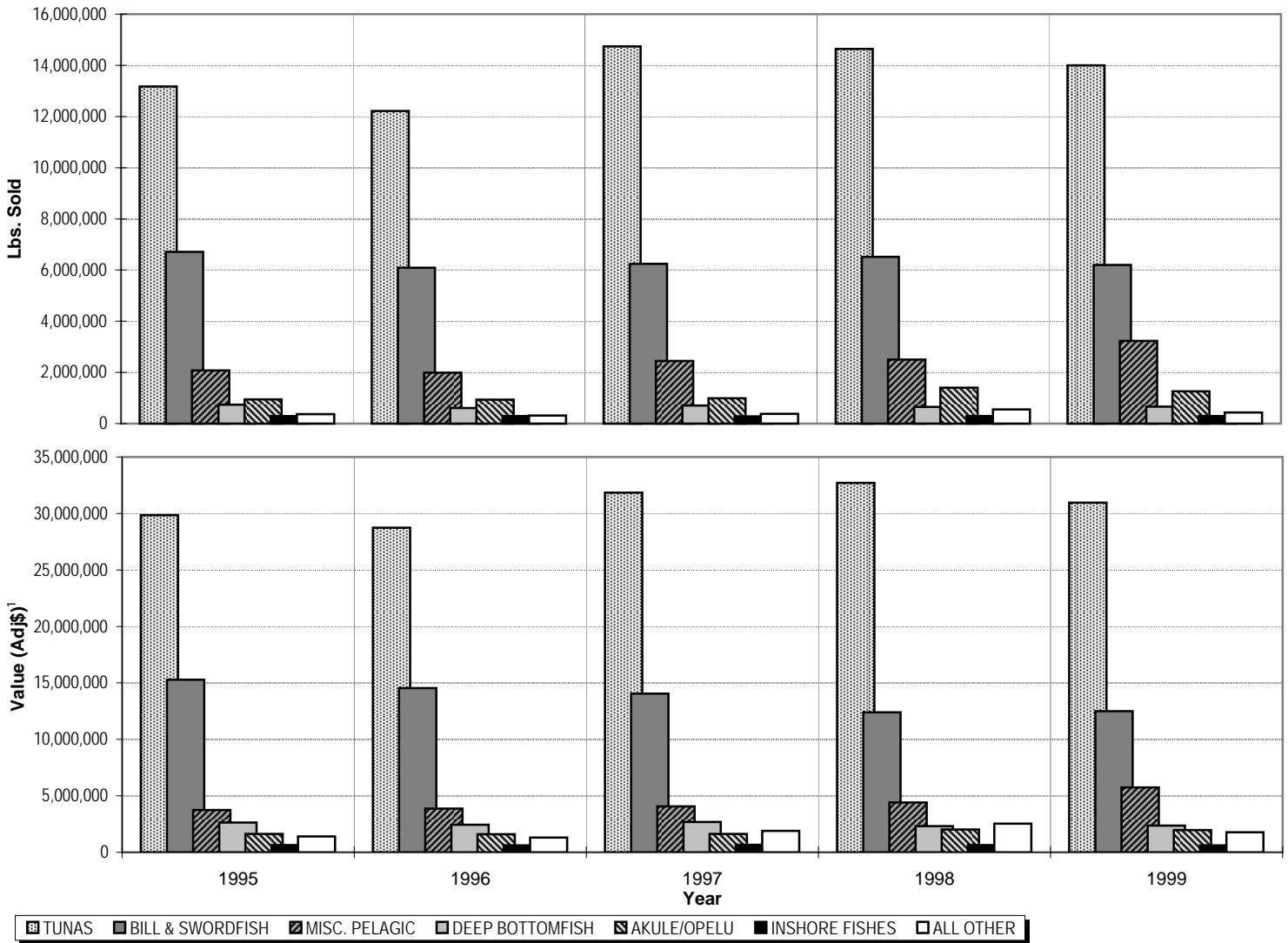
**CHART B.1
SEA LANDINGS BY SPECIES GROUP ANNUAL MONTHLY TRENDS, 1999**



Calendar Year 1999		MONTH												YEAR
SPECIES GROUP		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TUNA	Lbs. Sold	1,130,459	1,406,906	922,549	895,556	912,319	1,123,554	1,568,543	1,386,260	1,209,507	1,330,347	997,401	1,113,987	13,997,388
	Ex-vessel Value (\$)	2,926,015	3,340,861	2,536,088	2,349,073	1,959,204	2,180,353	2,591,154	2,804,793	2,445,070	2,599,491	2,320,606	2,907,961	30,960,667
BILLFISH	Lbs. Sold	608,574	504,272	707,113	998,312	777,211	653,579	537,294	388,327	198,225	350,370	233,658	241,818	6,198,753
	Ex-vessel Value(\$)	1,016,563	1,035,984	1,830,366	2,204,885	1,733,139	1,424,308	968,365	604,878	363,142	518,217	352,698	438,291	12,490,835
MISC. PELAGIC	Lbs. Sold	136,050	179,210	210,888	316,095	384,037	322,871	280,125	259,722	332,619	360,157	270,444	182,891	3,235,109
	Ex-vessel Value(\$)	287,702	325,656	469,974	596,787	572,506	522,868	533,261	577,730	574,264	545,716	452,935	293,244	5,752,642
DEEP BOTTOMFISH	Lbs. Sold	40,402	55,433	52,431	40,567	63,483	55,283	53,342	52,647	46,883	62,365	52,148	90,287	665,271
	Ex-vessel Value (\$)	157,246	214,235	169,933	161,544	188,931	157,692	169,257	214,007	182,641	234,232	186,137	341,803	2,377,655
AKULE/OPELU	Lbs. Sold	85,331	89,537	112,897	136,301	103,692	134,432	138,814	96,569	56,598	76,834	134,706	92,255	1,257,966
	Ex-vessel Value (\$)	131,628	144,717	179,351	224,388	165,954	196,732	212,596	154,596	102,392	135,115	186,740	137,555	1,971,764
INSHORE FISH	Lbs. Sold	26,332	20,260	25,372	27,700	25,969	22,557	18,610	27,875	31,629	25,075	18,827	19,008	289,214
	Ex-vessel Value (\$)	56,539	42,228	50,140	55,162	55,617	44,777	37,227	57,674	65,354	59,247	39,837	44,614	608,418
ALL OTHER	Lbs. Sold	36,875	31,167	52,539	32,309	34,131	27,840	49,701	43,008	50,920	28,641	23,488	22,129	432,748
	Ex-vessel Value (\$)	89,214	63,802	160,387	107,512	110,433	61,698	218,880	343,013	397,888	95,750	74,362	51,260	1,774,199
TOTAL	Lbs. Sold	2,064,023	2,286,785	2,083,789	2,446,840	2,300,842	2,340,116	2,646,429	2,254,408	1,926,381	2,233,789	1,730,672	1,762,375	26,076,449
	Ex-vessel Value (\$)	4,664,907	5,167,481	5,396,239	5,699,351	4,785,783	4,588,428	4,730,741	4,756,691	4,130,752	4,187,768	3,613,314	4,214,727	55,936,181

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

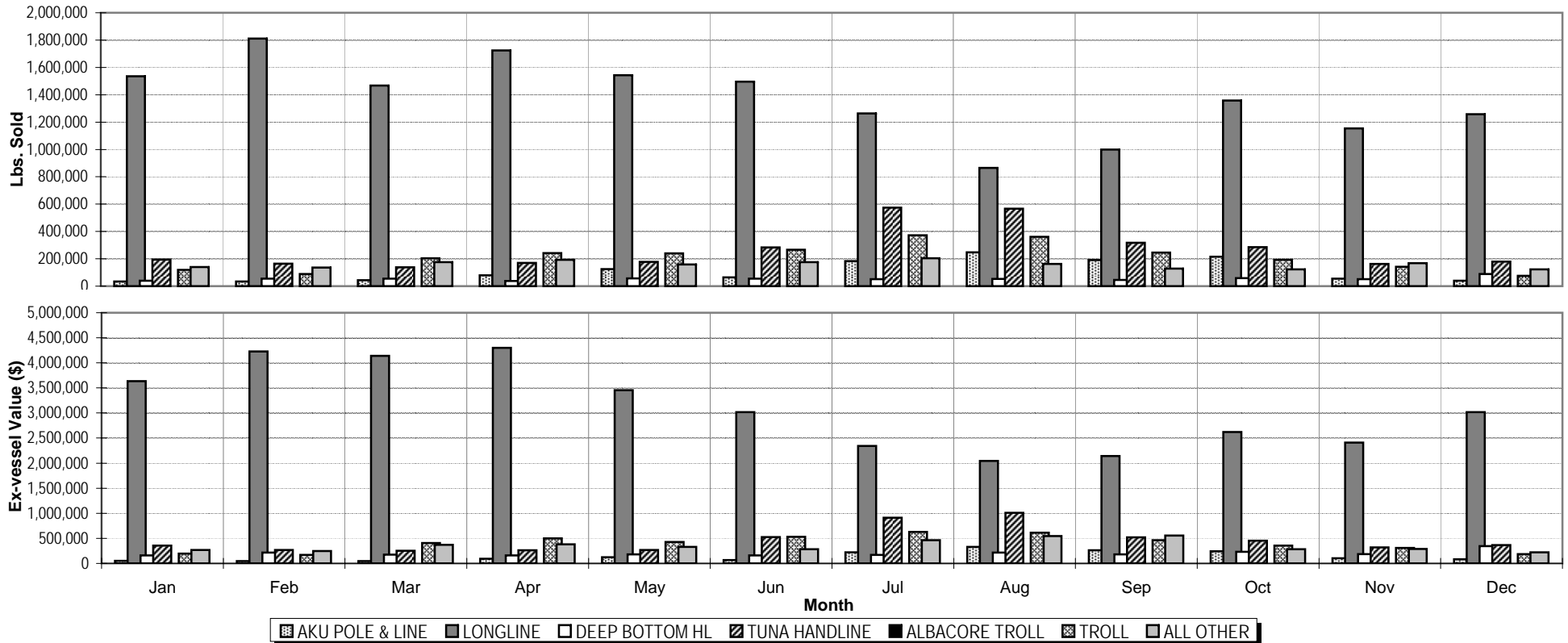
**CHART B.2
SEA LANDINGS BY SPECIES GROUPS ANNUAL 5 - YEAR TRENDS, 1995 - 1999**



<i>Calendar Year</i>		<i>YEAR</i>				
SPECIES GROUP		1995	1996	1997	1998	1999
TUNA	<i>Lbs. Sold</i>	13,169,918	12,215,918	14,738,122	14,638,320	13,997,388
	<i>Value (Adj\$)¹</i>	29,851,295	28,743,147	31,857,290	32,715,745	30,960,667
BILL & SWORDFISH	<i>Lbs. Sold</i>	6,714,730	6,093,377	6,244,946	6,519,415	6,198,753
	<i>Value (Adj\$)¹</i>	15,289,544	14,543,353	14,039,711	12,408,137	12,490,835
MISC. PELAGIC	<i>Lbs. Sold</i>	2,079,325	1,994,798	2,448,200	2,500,289	3,235,109
	<i>Value (Adj\$)¹</i>	3,748,474	3,861,843	4,057,513	4,417,554	5,752,642
DEEP BOTTOMFISH	<i>Lbs. Sold</i>	737,716	609,004	706,314	653,301	665,271
	<i>Value (Adj\$)¹</i>	2,644,482	2,433,377	2,674,957	2,322,985	2,377,655
AKULE/OPELU	<i>Lbs. Sold</i>	942,989	931,891	992,632	1,398,722	1,257,966
	<i>Value (Adj\$)¹</i>	1,637,556	1,592,498	1,635,859	2,016,549	1,971,764
INSHORE FISH	<i>Lbs. Sold</i>	295,002	290,393	279,810	291,349	289,214
	<i>Value (Adj\$)¹</i>	647,673	611,962	653,536	646,529	608,418
ALL OTHER	<i>Lbs. Sold</i>	372,669	310,374	382,833	557,515	432,748
	<i>value (Adj\$)¹</i>	1,415,671	1,301,960	1,900,127	2,529,015	1,774,199
TOTAL	<i>Lbs. Sold</i>	24,312,349	22,445,755	25,792,857	26,558,911	26,076,449
	<i>value (Adj\$)¹</i>	55,234,696	53,088,142	56,818,992	57,056,513	55,936,181

^{1/} Honolulu Consumer Price Index (all wage earners)

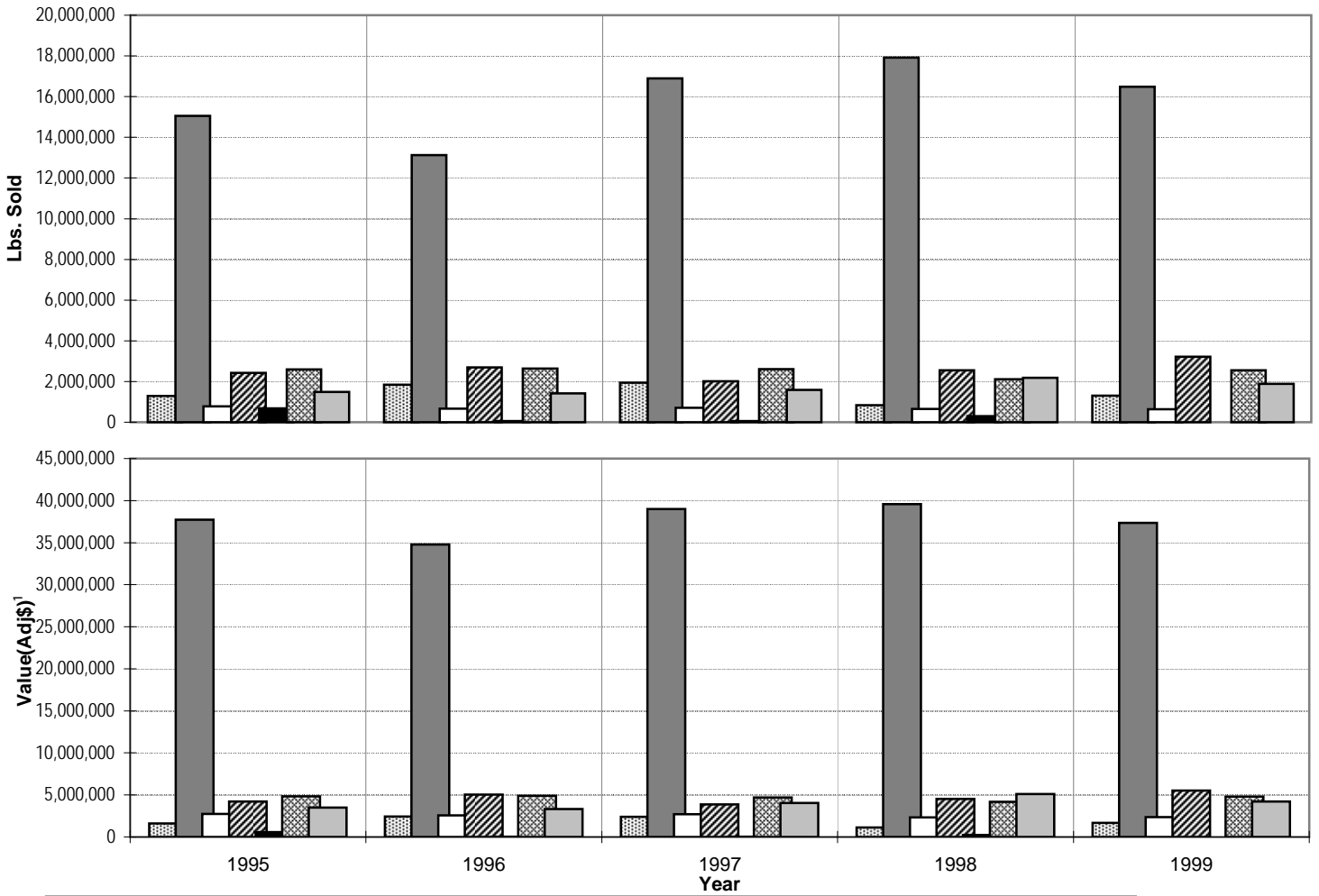
**CHART C.1
SEA LANDINGS BY FISHING METHOD ANNUAL MONTHLY TRENDS, 1999**



Calendar Year 1999		MONTH												YEAR TOTAL
METHOD		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
AKU POLE & LINE	<i>Lbs. Sold</i>	33,107	33,326	44,015	79,305	124,329	63,735	182,773	247,213	191,597	214,857	54,040	39,105	1,307,402
	<i>Ex-vessel Value (\$)</i>	53,372	44,043	47,264	93,075	124,753	68,711	220,588	326,984	264,998	244,040	101,083	80,573	1,669,484
LONGLINE	<i>Lbs. Sold</i>	1,536,125	1,812,018	1,467,838	1,724,964	1,543,453	1,495,859	1,264,308	865,371	998,296	1,358,593	1,154,386	1,257,996	16,479,207
	<i>Ex-vessel Value (\$)</i>	3,636,024	4,226,007	4,141,816	4,300,438	3,456,058	3,019,355	2,342,501	2,043,605	2,144,135	2,620,257	2,409,082	3,018,317	37,357,595
DEEP BOTTOM HL	<i>Lbs. Sold</i>	39,973	54,024	54,053	38,042	56,070	54,192	50,244	52,377	44,897	59,320	50,927	89,172	643,291
	<i>Ex-vessel Value (\$)</i>	157,743	214,471	174,520	160,931	180,306	157,830	168,073	217,555	181,037	232,601	186,491	344,209	2,375,767
TUNA HANDLINE	<i>Lbs. Sold</i>	194,899	163,556	137,443	169,663	178,331	283,747	574,346	566,973	317,950	285,932	162,629	178,586	3,214,055
	<i>Ex-vessel Value (\$)</i>	353,959	267,422	253,137	262,488	268,431	527,402	909,553	1,010,640	520,956	451,998	320,135	365,113	5,511,234
ALBACORE TROLL	<i>Lbs. Sold</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Ex-vessel Value (\$)</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
TROLL	<i>Lbs. Sold</i>	119,905	88,075	204,785	242,399	240,266	267,232	371,456	360,222	244,745	191,792	141,047	74,633	2,546,557
	<i>Ex-vessel Value (\$)</i>	193,995	170,255	408,031	500,496	428,762	530,193	627,427	613,705	464,490	354,964	308,195	185,953	4,786,465
ALL OTHER	<i>Lbs. Sold</i>	140,014	135,786	175,655	192,467	158,393	175,351	203,302	162,252	128,896	123,295	167,643	122,883	1,885,937
	<i>Ex-vessel Value (\$)</i>	269,814	245,283	371,471	381,922	327,473	284,935	462,599	544,203	555,137	283,908	288,328	220,562	4,235,635
TOTAL	<i>Lbs. Sold</i>	2,064,023	2,286,785	2,083,789	2,446,840	2,300,842	2,340,116	2,646,429	2,254,408	1,926,381	2,233,789	1,730,672	1,762,375	26,076,449
	<i>Ex-vessel Value (\$)</i>	4,664,907	5,167,481	5,396,239	5,699,351	4,785,783	4,588,428	4,730,741	4,756,691	4,130,752	4,187,768	3,613,314	4,214,727	55,936,181

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

**CHART C.2
SEA LANDINGS FISHING METHOD ANNUAL 5 - YEAR TRENDS, 1995 - 1999**

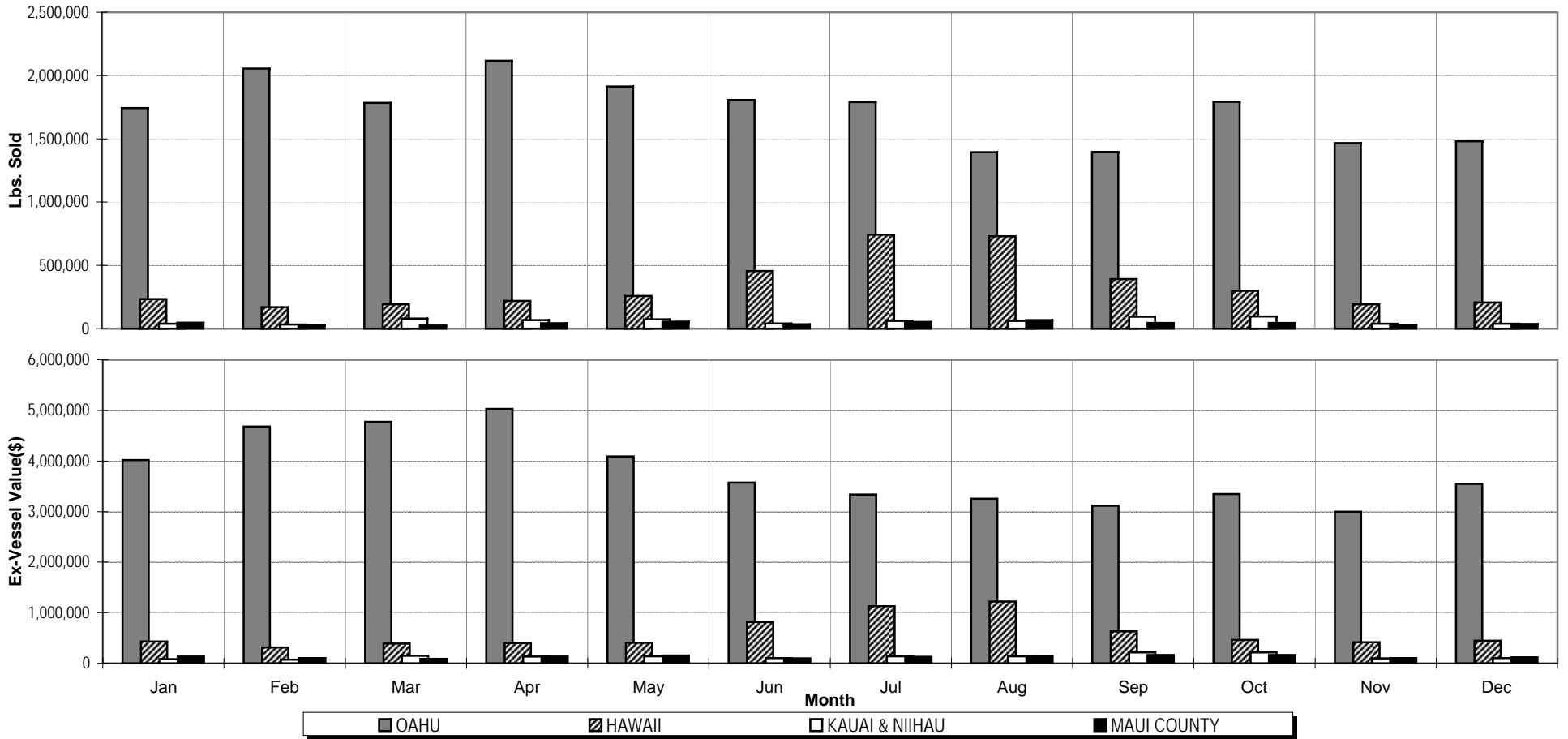


AKU POLE & LINE
 LONGLINE
 DEEP BOTTOM HL
 TUNA HANDLINE
 ALBACORE
 TROLLING
 ALL OTHER

Calendar Year 1999		YEAR				
FISHING METHOD		1995	1996	1997	1998	1999
AKU POLE & LINE	Lbs. Sold	1,290,663	1,839,376	1,937,321	842,085	1,307,402
	Value (Adj\$) ¹	1,595,645	2,422,043	2,409,917	1,118,031	1,669,484
LONGLINE	Lbs. Sold	15,054,409	13,129,521	16,893,051	17,923,019	16,479,207
	Value (Adj\$) ¹	37,733,974	34,771,294	38,999,556	39,574,325	37,357,595
DEEP BOTTOM HL	Lbs. Sold	775,961	663,502	714,007	645,321	643,291
	Value (Adj\$) ¹	2,759,760	2,559,483	2,715,369	2,336,196	2,375,767
TUNA HANDLINE	Lbs. Sold	2,419,139	2,686,588	2,006,090	2,555,058	3,214,055
	Value (Adj\$) ¹	4,233,483	5,046,918	3,889,409	4,510,576	5,511,234
ALBACORE	Lbs. Sold	685,386	62,004	50,199	303,214	0
	Value (Adj\$) ¹	571,367	50,299	40,279	228,330	0
TROLLING	Lbs. Sold	2,593,278	2,641,818	2,608,497	2,112,905	2,546,557
	Value (Adj\$) ¹	4,835,005	4,910,221	4,714,365	4,179,915	4,786,465
ALL OTHER	Lbs. Sold	1,493,513	1,422,946	1,583,692	2,177,309	1,885,937
	Value (Adj\$) ¹	3,505,463	3,327,883	4,050,098	5,109,140	4,235,635
TOTAL	Lbs. Sold	24,312,349	22,445,755	25,792,857	26,558,911	26,076,449
	Value (Adj\$) ¹	55,234,696	53,088,142	56,818,992	57,056,513	55,936,181

¹ Honolulu Consumer Price Index (all wage earners)

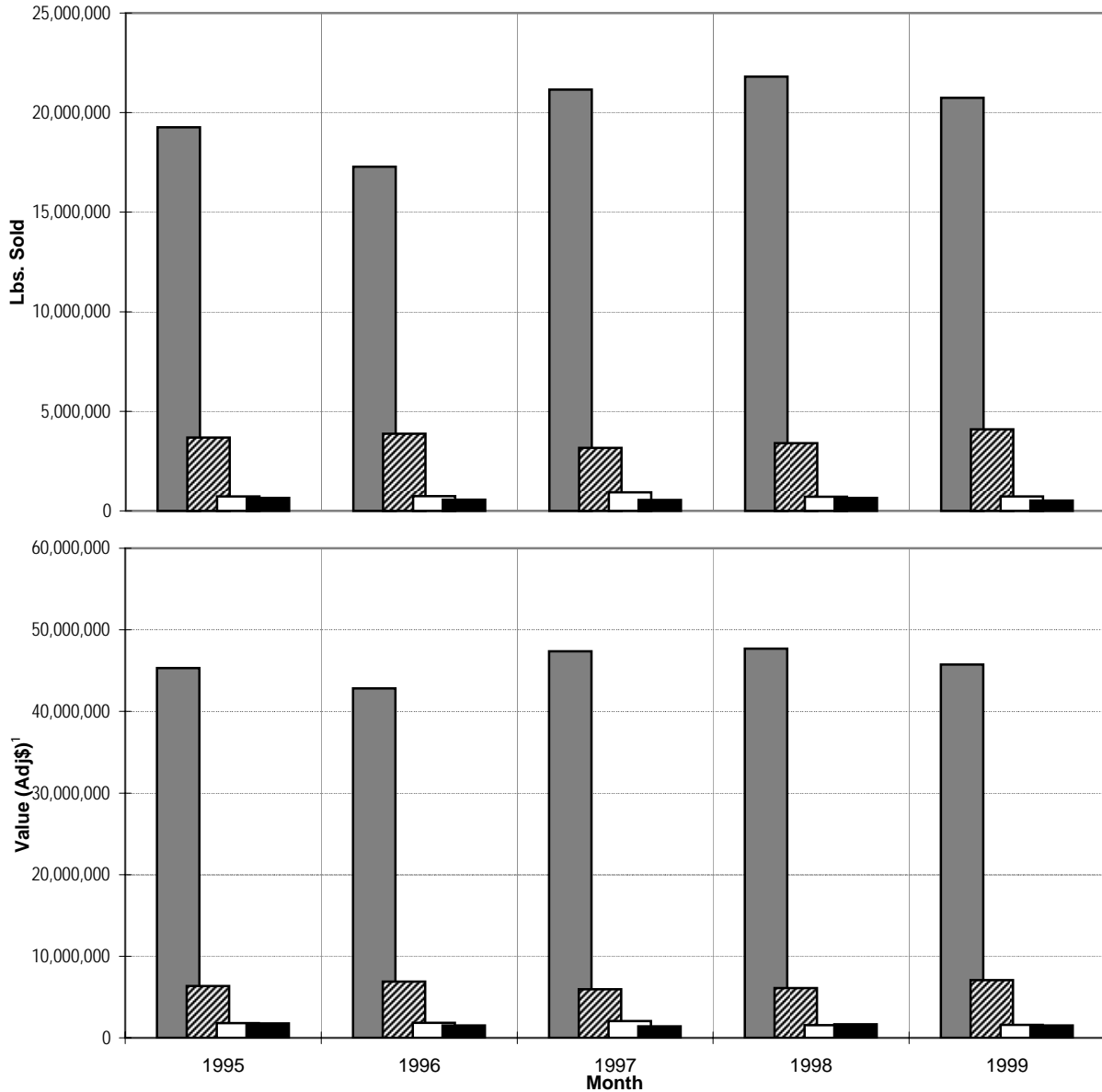
**CHART D.1
SEA LANDINGS BY PORT ANNUAL MONTHLY TRENDS. 1999**



Calendar Year 1999		1999												
PORT		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
OAHU	<i>Lbs. Sold</i>	1,743,318	2,054,278	1,784,932	2,116,562	1,913,553	1,807,492	1,789,402	1,393,583	1,395,650	1,792,259	1,467,091	1,479,898	20,738,018
	<i>Ex-vessel Value (\$)</i>	4,019,152	4,680,633	4,773,723	5,028,351	4,088,555	3,574,835	3,334,909	3,251,517	3,115,830	3,345,842	2,995,350	3,544,366	45,753,063
HAWAII	<i>Lbs. Sold</i>	233,626	169,532	193,587	220,371	258,290	455,141	741,506	730,354	391,762	299,561	193,095	206,634	4,093,459
	<i>Ex-vessel Value (\$)</i>	432,119	314,582	390,055	402,678	406,305	814,343	1,130,954	1,219,483	631,333	464,436	415,099	446,195	7,067,582
KAUAI & NIIHAU	<i>Lbs. Sold</i>	39,368	33,066	79,731	67,476	74,140	42,015	62,284	61,926	93,743	96,476	39,442	39,386	729,053
	<i>Ex-vessel Value (\$)</i>	80,219	70,034	147,038	133,732	137,710	100,357	136,511	140,437	216,982	215,621	98,972	104,585	1,582,199
MAUI COUNTY	<i>Lbs. Sold</i>	47,711	29,909	25,539	42,431	54,859	35,468	53,237	68,545	45,226	45,493	31,044	36,457	515,919
	<i>Ex-vessel Value (\$)</i>	133,417	102,232	85,423	134,589	153,214	98,892	128,367	145,254	166,607	161,869	103,892	119,580	1,533,336
TOTAL	<i>Lbs. Sold</i>	2,064,023	2,286,785	2,083,789	2,446,840	2,300,842	2,340,116	2,646,429	2,254,408	1,926,381	2,233,789	1,730,672	1,762,375	26,076,449
	<i>Ex-vessel Value (\$)</i>	4,664,907	5,167,481	5,396,239	5,699,351	4,785,783	4,588,428	4,730,741	4,756,691	4,130,752	4,187,768	3,613,314	4,214,727	55,936,181

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

**CHART D.2
SEA LANDINGS BY PORT ANNUAL 5-YEAR TRENDS, 1995 - 1999**



Calendar Year		YEAR				
PORT		1995	1996	1997	1998	1999
OAHU	Lbs. Sold	19,259,420	17,281,161	21,160,733	21,800,083	20,738,018
	Value (Adj\$) ¹	45,330,936	42,841,221	47,375,377	47,709,894	45,753,063
HAWAII	Lbs. Sold	3,679,209	3,873,204	3,160,389	3,407,547	4,093,459
	Value (Adj\$) ¹	6,353,700	6,883,550	5,969,591	6,111,781	7,067,582
KAUAI & NIIHAU	Lbs. Sold	722,434	733,696	927,797	706,076	729,053
	Value (Adj\$) ¹	1,786,823	1,857,984	2,062,602	1,568,392	1,582,199
MAUI COUNTY	Lbs. Sold	651,286	557,694	543,938	645,205	515,919
	Value (Adj\$) ¹	1,763,236	1,505,387	1,411,423	1,666,446	1,533,336
TOTAL	Lbs. Sold	24,312,349	22,445,755	25,792,857	26,558,911	26,076,449
	Value (Adj\$) ¹	55,234,696	53,088,142	56,818,992	57,056,513	55,936,181

¹ Honolulu Consumer Price Index (all wage earners)

APPENDICES
Statistical Tables
Calendar 1999

Appendix A - Sea Landings by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)	SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
TUNAS				JACKS			
Aku	1,840,052	1,729,130	2,204,305	Butaguchi	31,751	29,484	48,041
Bigeye	5,143,332	5,109,092	16,815,955	Dobe	1,832	1,809	3,264
Bluefin	8,937	8,937	73,005	Gunkan	260	260	612
Kawakawa	9,227	5,229	6,288	Kamanu	2,987	2,447	3,641
Keokeo	88	34	29	Kihikihi	200	169	331
Tombo	3,358,839	3,336,689	3,799,690	Lae	542	468	842
Yellowfin	3,944,634	3,798,414	8,039,618	Menpachi (sasa)	408	316	840
Miscellaneous	11,058	9,863	21,777	Omaka	246	189	576
SUBTOTAL	14,316,167	13,997,388	30,960,667	Omilu	1,586	967	2,042
BILLFISHES & SWORDFISH				Paopao ¹	---	---	---
Black marlin	11,418	10,576	12,559	Papa	3,495	3,212	6,574
Blue marlin	1,092,616	986,781	1,077,369	White	7,257	6,203	8,462
Sailfish	16,883	16,336	17,157	Unclass/misc ¹	24,822	19,237	40,724
Shortbill spearfish	545,388	516,123	562,049	SUBTOTAL	75,386	64,761	115,948
Striped marlin	849,222	830,386	1,135,602	INSHORE FISHES			
Swordfish	3,834,762	3,833,862	9,679,563	<i>Parrotfishes</i>			
Miscellaneous	5,014	4,689	6,537	Panuhunu	653	640	1,653
SUBTOTAL	6,355,303	6,198,753	12,490,835	Panunu ¹	---	---	---
MISC. PELAGIC FISHES				Uhu	34,405	32,393	75,698
Kaku	15,996	15,129	15,980	<i>Goatfishes</i>			
Mahimahi	1,179,633	1,103,148	2,501,236	Kumu	4,117	3,797	26,441
Mola mola	4,239	4,239	6,224	Malu	123	96	304
Monchong	288,550	287,564	389,719	Moano	3,816	3,143	10,561
Ono	902,574	821,575	1,651,217	Moana kali	1,666	1,513	10,020
Opah	1,000,844	1,000,665	1,184,331	Munu	285	271	1,711
Walu	4,932	2,789	3,935	Weke	29,333	26,467	50,779
SUBTOTAL	3,396,768	3,235,109	5,752,642	Weke ula	24,220	21,559	63,537
DEEP BOTTOMFISHES				<i>Surgeonfishes</i>			
Armor Head ¹	---	---	---	Kala	16,439	15,976	18,318
Ehu	37,568	34,047	127,092	Kole	4,849	3,910	7,599
Golden kale	28	27	62	Maiii ¹	---	---	---
Hapuupu	72,049	68,544	202,456	Maiko	4,808	4,787	3,175
Hauliuli ¹	---	---	---	Manini	14,612	13,728	30,847
Hogo	1,932	1,613	6,808	Naenae	7,964	7,959	7,108
Kahala	18,905	807	1,293	Opelu kala	6,592	6,262	6,245
Kalekale	15,495	13,688	44,285	Pakuikui	882	860	2,162
Lehi	9,895	9,120	28,873	Pala ¹	---	---	---
Opakapaka	209,221	198,026	873,869	Palani	36,996	36,349	44,796
Randall snapper ¹	---	---	---	Pualu	5,346	5,258	6,474
Taape	70,078	62,440	61,360	<i>Damselfishes</i>			
Ukikiki (gindai)	6,378	5,638	17,536	Kupipi	111	111	136
Uku	127,762	121,933	302,363	Maomao	990	986	1,926
Ulaula (onaga)	158,063	149,376	711,619	<i>Squirrelfishes</i>			
Yellow-tail kale ¹	---	---	---	Alaihi	257	257	704
SUBTOTAL	727,374	665,259	2,377,615	Uu	39,493	37,262	116,929
AKULE/OPELU				Uukanipo	196	121	346
Akule	1,078,265	980,995	1,493,206	<i>Wrasses</i>			
Hahalalu	44,942	29,868	43,350	Aawa	2,450	2,090	2,517
Opelu	259,453	247,095	435,196	Ea	434	424	684
Opelu Mama	29	8	13	Hilu ¹	---	---	---
SUBTOTAL	1,382,689	1,257,966	1,971,764	Hinalea	209	197	186
				Kupoupou	91	91	291
				Laenihi	4,926	3,808	19,032
				Poou	16	14	22

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

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
INSHORE FISHES(cont.)			
<i>Miscellaneous Inshore Fishes</i>			
Ahaaha	450	423	568
Aholehole	3,778	3,560	9,197
Amaama	3,492	2,709	7,856
Awa	1,018	825	1,139
Awaawa	537	498	444
Aweoweo	4,595	4,314	11,030
Hihimanu ¹	---	---	---
Humuhumu	122	26	17
Iheihe ¹	---	---	---
Kawelea	3,143	2,947	4,060
Makiawa ¹	---	---	---
Moi	913	520	2,272
Mu	3,047	2,858	7,382
Nenue	16,042	15,578	19,750
Nohu	718	678	1,750
Nunu	261	256	374
Oiililepa	12,725	12,712	14,793
Oio	6,937	6,564	7,066
Pakii	26	26	23
Poopaa	646	586	1,063
Puhi (white)	240	232	495
Puhi (misc.)	125	119	75
Roi	919	569	1,273
Saba ¹	---	---	---
Summer mullet ¹	---	---	---
Tilapia	107	87	106
Toau	2,287	2,207	6,216
Uouoa	439	424	993
Upapalu	21	12	2
Wahanui	63	26	38
SUBTOTAL	308,930	289,085	608,179

SHARKS

Blue	950	0	0
Hammerhead ¹	---	---	---
Mako	88,019	80,695	78,168
Oceanic whitetip	991	61	27
Thresher	35,498	23,836	29,517
Blue shark (fins) ¹	---	---	---
Mako shark (fins) ¹	---	---	---
Oceanic whitetip (fins) ¹	---	---	---
Miscellaneous ¹	131,972	61,899	79,593
SUBTOTAL	257,430	166,491	187,305

LOBSTERS

Ula (slipper)	40,682	40,630	372,350
Ula (spiny)	33,272	31,903	462,854
SUBTOTAL	73,954	72,533	835,204

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
CRABS			
Aama	1,154	1,109	7,194
Kona	19,146	14,686	69,351
Kuahonu	14,868	14,706	45,505
Moala ¹	---	---	---
Samoan	19	16	74
Crab (misc.)	108	7	15
SUBTOTAL	35,295	30,524	122,139
SHRIMP			
Laevigatus	67,588	48,484	240,547
SUBTOTAL	67,588	48,484	240,547
OTHER ANIMALS			
Hee (octopus)	23,370	16,782	49,225
Lole (sea cucumber)	113	108	867
Muhee (squid)	3,589	3,265	6,184
Opihi	10,774	9,897	44,565
Pupu ¹	---	---	---
SUBTOTAL	37,846	30,052	100,841
SEAWEEDS			
Limu kohu	1,901	1,836	16,067
Limu manauea ¹	---	---	---
Limu ogo	1,443	699	1,894
Limu wawaeiole ¹	---	---	---
Miscellaneous	1,704	1,512	5,222
SUBTOTAL	5,048	4,047	23,183
Miscellaneous ¹	18,451	15,997	149,310
TOTAL	27,058,229	26,076,449	55,936,181

Appendix B - Pond Harvest by species

Omitted due to confidentiality

Appendix C - Total Commercial Marine Landings

SPECIES	LBS. LANDED	LBS. SOLD	VALUE(\$)
GRAND TOTAL	27,058,229	26,076,449	55,936,181

¹ Certain species may have been consolidated to protect confidentiality.

Appendix D - Sea Landings by Fishing Method

FISHING METHOD	LBS. LANDED	LBS. SOLD	VALUE(\$)
Aku pole & line	1,309,307	1,307,402	1,669,484
Longline	16,564,649	16,479,207	37,357,595
Deepbottom handline	705,235	643,291	2,375,767
Inshore handline	481,601	438,511	893,293
Tuna handline	3,296,797	3,214,055	5,511,234
Other handline	97,682	61,795	79,851
Trolling	3,064,810	2,546,557	4,786,465
Diving	90,831	77,518	373,516
Net	1,205,584	1,089,080	1,653,572
Trap	223,617	203,391	1,158,026
Rod & reel (casting, dunking, etc.)	709	335	1,094
Handpick (limu & opihi)	15,826	13,948	67,765
Miscellaneous	1,581	1,359	8,519
TOTAL	27,058,229	26,076,449	55,936,181

Appendix E - Sea Landings by Island

ISLAND	LBS. LANDED	LBS. SOLD	VALUE(\$)
Oahu	21,185,997	20,738,018	45,753,063
Hawaii	4,336,482	4,093,459	7,067,582
Mau	621,059	463,207	1,374,357
Kauai & Niihau	848,559	729,053	1,582,199
Molokai	46,784	37,879	124,978
Lanai	19,348	14,833	34,002
STATE TOTAL	27,058,229	26,076,449	55,936,181

Appendix F - 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)	38,340	34,367	92,655
Kaulakahi Channel (521,525)	67,578	61,313	160,299
Niihau (505-506,526,527)	251,772	228,352	389,204
Makahuena Pt. - Kekaha (500,520)	613,678	557,302	962,807
Barking Sands - Na Pali Coast (501-502,522)	19,893	14,372	36,662
Hanalei - Moloa'a Bay (503,523)	153,902	114,443	228,372
Anahola - Nawiliwili (504,524)	221,131	191,859	369,700
Sand Is. - Ala Wai (400,420)	102,160	85,106	155,084
Pearl Harbor - Barbers Pt. (401,421)	335,280	302,038	565,035
Barbers Pt. - Kaena Pt. (402-403,422-423)	898,473	810,202	1,432,829
Kaena Pt. - Kahuku (404-405,424-425)	588,109	563,044	1,012,215
Laie Pt. - Kahana Bay (406-426)	236,819	227,270	299,370
Kaneohe Bay (407,427)	354,881	328,244	486,801
Kailua Bay - Makapuu Pt. (408,428)	203,904	196,042	290,397
Makapuu Pt. - Diamond Head (409)	22,817	21,471	37,813
Kawai (Molokai) Channel (332,429)	116,652	108,004	208,788

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

AREA (area catch code)	LBS. LANDED	LBS. SOLD	VALUE(\$)
Penguin Bank (331)	119,800	107,561	327,997
Kealaikahiki Channel (327)	60,030	48,079	131,408
Alenuihaha Channel (324-325)	27,493	21,182	72,467
Auau, Kalohi & Pailolo Channels (321)	44,287	38,829	276,957
Alalakeiki Channel (320)	87,070	55,715	162,046
Molokai (310-314,333)	44,993	36,065	118,595
Lanai (308-309,328)	186,473	137,470	258,154
Kahoolawe (306-307,326)	14,438	8,606	25,124
Makena - Hana (304-305)	48,642	29,786	110,927
Hana - Kahului (302-303,322-323)	193,629	165,763	477,628
Honolua - Lahaina (301)	14,436	13,522	26,847
Lahaina - Makena (300)	70,289	55,966	104,135
Milolii - South Pt. (100,108,120,128)	320,970	309,604	592,644
Punaluu - Kalapana (107,127)	259,670	254,725	493,765
Kona Coast (101,121)	1,722,075	1,577,489	2,327,864
Keahole - Kawaihae (102,122)	257,130	211,207	379,273
Kohala - Hamakua Coast (103-104,123-124)	75,873	66,041	169,772
Hilo (105,125)	234,533	219,485	457,780
Puna - Kalapana (106,126)	903,899	892,112	1,822,879
Other (all other area codes from Fisheries Chart No. 1 not listed above)	1,257,183	1,248,817	2,788,378
SUBTOTAL	10,168,302	9,341,453	17,852,671
Northwestern Hawaiian Islands offshore - 200 mile EEZ (refer to Fisheries Chart No. 2)			
Niihoa (16223C,16123A,16222I)	19,572	17,768	45,914
Twin Bank (16323C,16223A)	10,320	9,742	33,568
Necker (16423D,16423E,16423F,16423B,16423C)	59,999	56,372	278,955
French Frigate (16623H,16623I,16623F)	22,762	20,917	57,583
Brooks Bank (16624A,16623G)	25,240	21,959	79,907
St. Rogatien (16724F,16724C)	26,638	24,296	111,272
Gardner Pinnacles (16825C,16725A,16824I,16824F,16724G,16724D)	35,561	32,834	95,592
Maro Reef (17025D, 17025E, 17025A, 17025B)	45,068	43,765	286,699
Laysan (17125G, 17125H)	6,475	6,245	18,942
North Hampton (17225E, 17225F, 17225C)	10,536	10,167	31,592
Pioneer Bank (17326B, 17326C, 17325H, 17325I)	32,388	31,428	112,145
Lisianski (17426C, 17326A, 17425I, 17325G)	26,306	24,179	86,501
Other (all other areas codes from Fisheries Chart No. 2 not listed above)	1,352,782	1,341,521	3,558,774
SUBTOTAL	1,673,647	1,641,193	4,797,443
Other areas (not in Fisheries Charts 1 & 2) (other mid-ocean and missing area fished codes)	15,216,280	15,093,803	33,286,066
TOTAL	27,058,229	26,076,449	55,936,181

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

Appendix G - 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>KH</i>	<i>OTEC</i>	<i>QQ</i>	<i>RN</i>	<i>SS</i>	<i>TT</i>	<i>UU</i>	<i>VV</i>	<i>XX</i>	<i>TOTAL</i>
Aku	0	2,130	2,921	0	988	2,178	1,500	116	50	4,435	528	40	123	341	1,412	102	16,864
Bigeye	0	613	70	0	248	148	1,277	40	0	0	1,516	0	0	560	95	0	4,567
Kawakawa	0	0	0	0	0	1	33	0	0	39	19	0	0	0	0	0	92
Tombo	0	5,874	16,846	279	1,836	0	765	10,856	0	239	336	0	315	5,085	602	0	43,033
Yellowfin	0	11,089	27,096	909	13,645	5,122	9,543	32,253	0	6,048	2,067	9	522	2,529	5,428	375	116,635
Tuna (misc.)	0	0	126	0	0	0	0	0	0	0	0	0	0	0	0	0	126
Black marlin	0	348	342	0	0	0	0	0	0	0	0	0	0	0	0	0	690
Blue marlin	0	2,911	10,293	0	0	10,160	0	0	0	1,077	0	0	181	199	19,493	1,404	45,718
Shortbill spearfish	0	62	1,715	0	39	711	0	0	82	0	0	0	0	121	1,476	41	4,247
Striped marlin	0	150	923	0	0	722	0	0	0	0	0	0	143	0	1,137	278	3,353
Swordfish	0	0	92	0	50	0	15	568	0	0	0	0	0	0	0	0	725
Kaku	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Mahimahi	36	1,469	2,748	308	1,571	1,731	2,104	2,446	494	1,508	1,332	536	849	803	2,067	7,709	27,711
Ono	0	2,930	2,548	256	1,553	581	678	6,966	56	1,923	2,564	1,519	183	617	2,491	30	24,895
Kahala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
Akule	0	58	13	0	185	0	0	0	0	0	0	0	0	0	410	0	666
Opelu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	410	10	420
Kamanu	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Aha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Kawalea	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Blue shark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100
Mako shark	0	0	0	0	0	0	0	0	149	0	0	0	0	0	0	0	149
Oceanic whitetip shark	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	200
Shark (misc.)	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	500
Squid	0	0	0	0	92	0	161	0	0	0	0	0	0	0	0	0	253
TOTAL	36	27,634	66,451	1,752	20,207	21,354	16,076	53,245	831	15,269	8,362	2,104	2,316	10,255	35,151	9,956	290,999

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>	<i>TOTAL</i>
Aku	29,370	20,898	2,922	23,359	614	20,777	1,476	23,491	9,477	3,266	7,828	30,666	38,099	3,518	215,761
Bigeye	54	0	0	50	0	0	0	12	200	254	100	253	0	0	923
Kawakawa	0	0	0	69	30	0	18	0	0	0	0	15	0	0	132
Keokeo	0	0	0	0	0	0	3	0	0	0	5	18	0	0	26
Tombo	612	0	0	0	0	140	0	35	0	0	0	0	0	20	807
Yellowfin	11,853	3,142	4,521	15,845	756	3,259	3,486	6,214	9,526	4,166	3,451	10,475	7,364	4,543	88,601
Tuna (misc.)	0	0	0	0	0	0	31	0	0	0	0	248	0	0	279
Black marlin	0	0	0	0	0	0	0	0	0	0	0	0	0	368	368
Blue marlin	2,536	2,274	25,151	7,735	496	575	7,454	908	7,423	2,328	2,854	4,456	537	1,033	65,760
Shortbill spearfish	73	24	0	196	31	110	60	143	1,035	281	622	141	30	84	2,830
Striped marlin	178	201	2,311	1,028	0	312	1,395	211	1,588	417	681	38	0	252	8,612
Swordfish	0	0	0	0	0	0	0	0	0	0	40	0	0	0	40
Billfish (misc.)	0	0	0	0	0	0	0	0	550	0	0	0	0	0	550
Kaku	0	0	0	0	0	0	0	0	0	8	23	0	0	0	31
Mahimahi	5,494	8,474	2,148	1,551	2,534	4,525	1,961	8,012	11,516	2,191	11,540	7,568	606	5,324	73,444
Ono	1,003	737	238	1,187	354	968	788	945	815	837	1,179	581	16	881	10,529
Kahala	0	0	0	0	0	0	0	0	20	0	0	0	0	0	20
Uku	0	0	0	0	0	0	43	0	0	0	0	0	0	0	43
Hahalalu	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Opelu	0	0	137	67	0	0	9	0	20	0	0	0	0	0	233
Kamanu	0	0	0	0	0	0	13	0	0	0	0	0	0	0	13
Aha	0	0	0	0	0	0	46	0	0	0	0	0	0	0	46
Thresher shark	0	0	231	86	0	0	0	0	0	0	119	0	0	0	436
TOTAL	51,173	35,750	37,661	51,173	4,815	30,666	16,783	39,971	42,170	13,748	28,442	54,459	46,652	16,023	469,486

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

Maui, Kahoolawe, Lanai, and Molokai FADs

<i>SPECIES</i>	<i>I</i>	<i>K</i>	<i>M</i>	<i>N</i>	<i>O</i>	<i>Q</i>	<i>CC</i>	<i>DD</i>	<i>FF</i>	<i>HO</i>	<i>JJ</i>	<i>LA</i>	<i>MC</i>	<i>NL</i>	<i>T6</i>	<i>TOTAL</i>
Aku	1,497	895	2,096	82	3,180	1,663	4,553	1,013	2,962	6,302	228	71	20,580	63	2,187	47,372
Bigeye	97	43	224	0	0	0	78	0	0	191	0	0	564	0	250	1,447
Kawakawa	0	30	0	2	0	25	0	34	0	5	0	7	0	0	0	103
Keokeo	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Tombo	0	0	0	0	20	0	0	0	0	0	0	0	0	36	0	56
Yellowfin	5,897	879	2,172	142	1,066	598	2,394	193	2,421	2,734	1,435	169	18,036	493	2,098	40,727
Tuna (misc.)	0	199	0	0	0	0	100	0	1,140	0	247	0	0	0	0	1,686
Blue marlin	1,819	7,037	0	119	217	248	3,507	0	100	1,301	120	3,340	2,782	832	0	21,422
Sailfish	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Shortbill spearfish	252	1,272	27	110	56	30	219	0	27	194	85	381	431	62	44	3,190
Striped marlin	34	1,361	0	200	0	43	128	88	57	27	160	315	443	93	46	2,995
Kaku	0	24	0	35	33	0	0	0	0	0	0	0	0	0	0	92
Mahimahi	3,229	3,035	2,065	1,298	2,328	5,431	2,531	2,466	2,483	6,927	973	2,399	6,442	1,828	339	43,774
Ono	1,219	730	242	390	493	1,040	462	994	714	861	35	561	415	440	227	8,823
Uku	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
Opelu	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Kamanu	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Ulua (misc.)	0	30	0	0	46	0	0	0	0	5	0	0	0	0	0	81
Shark (misc.)	0	0	0	0	0	0	0	0	0	0	0	0	55	0	0	55
TOTAL	14,181	15,535	6,826	2,378	7,439	9,078	13,973	4,788	9,904	18,555	3,283	7,243	49,748	3,847	5,206	171,984

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>	<i>TOTAL</i>
Aku	699	197	1,517	926	211	1,294	183	334	20	5,381
Bigeye	0	155	112	0	0	796	0	392	0	1,455
Kawakawa	71	102	8	1	80	7	0	41	0	310
Tombo	1325	630	0	2,529	0	56	0	928	271	5,739
Yellowfin	11376	16,275	3,852	22,324	14,366	8,048	5,028	20,713	4,664	106,646
Black marlin	0	0	0	0	0	0	84	0	0	84
Blue marlin	0	519	590	2,018	0	495	468	1,040	0	5,130
Shortbill spearfish	22	0	114	251	0	0	0	64	0	451
Striped marlin	0	0	0	186	0	40	155	76	65	522
Swordfish	38	141	0	0	0	44	0	91	36	350
Kaku	32	0	0	0	0	0	0	0	0	32
Mahimahi	825	2,025	2,698	1,887	1,054	565	750	2,253	1,166	13,223
Ono	446	779	333	913	1,356	881	164	539	201	5,612
Kahala	15	0	0	0	0	0	0	0	0	15
Uku	0	108	0	0	0	0	66	74	0	248
Opelu	0	50	60	0	0	0	50	0	0	160
Ulua (misc.)	105	0	0	0	23	0	0	0	0	128
Shark (misc.)	99	0	0	0	0	0	0	0	0	99
Squid	0	18	0	0	0	0	0	40	0	58
TOTAL	15,053	20,999	9,284	31,035	17,090	12,226	6,948	26,585	6,423	145,643

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

Other FADs

SPECIES	MO	W1	W2	W3	W4	TOTAL
Aku	12,125	0	1,025	234	0	13,384
Bigeye	255	0	55,160	1,688	382	57,485
Tombo	133	0	191	0	0	324
Yellowfin	5,491	6,628	234,134	118,242	8,237	372,732
Blue marlin	177	0	1,693	809	0	2,679
Shortbill spearfish	21	0	177	27	0	225
Striped marlin	0	0	0	95	0	95
Mahimahi	967	0	7,456	3,516	4,257	16,196
Ono	119	0	1,906	279	1,971	4,275
Kamanu	0	0	231	0	0	231
Blue shark	0	0	100	0	0	100
Mako shark	0	0	0	128	0	128
Oceanic whitetip shark	0	0	380	0	0	380
TOTAL	19,288	6,628	302,453	125,018	14,847	468,234

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

Appendix H - 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	(1/)											
	B	Miloli'i	12.0	11,937	163	73.2	15,639	99	158.0				(1/)		
	C	Loa Pt.	11.8	24,999	337	74.2	41,304	160	258.2				148	7	21.1
	D	Kumukahi	12.0	564	11	51.3	1,188	6	198.0				185	8	23.1
	E	Leleiwi	11.5	5,977	160	37.4	14,045	63	222.9						
	F	Kailua-Kona	12.0	20,902	366	57.1	452	8	56.5						
	G	Pepe'ekeo	9.7	5,024	119	42.2	10,976	45	243.9				(1/)		
	KH	Kahena	11.8	14,437	73	197.8	38,808	119	326.1						
	OT	Waikoloa Pt.	8.6	831	13	63.9									
	QQ	Makuu	11.5	10,175	143	71.2	5,094	14	363.9						
	RN	Palima Pt.	12.0	6,958	35	198.8	1,404	9	156.0						
	SS	Apua Pt.	11.8	2,104	14	150.3									
	TT	Kanewa'a	9.4	1,512	34	44.5	759	6	126.5				(1/)		
	UU	Auau	12.0	2,319	72	32.2	7,936	41	193.6						
	VV	Kahalu'u	11.8	31,403	463	67.8	2,822	23	122.7				926	14	66.1
	XX	Puako	12.0	9,878	141	70.1	(1/)						(1/)		
Oahu	J	Waiale'e	12.0	26,387	197	133.9	2,295	21	109.3	22,491	15	1,499.4			
	P	Penguin Banks	12.0	16,101	104	154.8				19,509	10	1,950.9	(1/)		
	R	Makaha	12.0	34,377	441	78.0	1,425	14	101.8	(1/)			139	4	34.8
	S	Pokai Bay	10.4	27,571	440	62.7	4,236	35	121.0	19,299	19	1,015.7	67	3	22.3
	T	Makapu'u	9.6	4,785	58	82.5	(1/)								
	U	Kane'ohe	12.0	13,542	176	76.9	(1/)			17,060	12	1,421.7			
	V	Makua	12.0	15,628	288	54.3	1,110	9	123.3				45	3	15.0
	X	Kahuku	9.6	18,347	163	112.6	2,211	15	147.4	19,413	11	1,764.8			
	BO	Barbers Pt.	12.0	32,812	362	90.6	566	7	80.9	8,752	16	547.0	40	3	13.3
	CO	Ka'ena Pt.	12.0	13,697	188	72.9	51	3	17.0						
	HH	Pearl Harbor	12.0	24,746	296	83.6				3,696	5	739.2			
	II	Hale'iwa	12.0	28,657	240	119.4	2,514	25	100.6	23,288	18	1,293.8			
	LL	Hau'ula	8.6	3,125	32	97.7				43,527	21	2,072.7			
	MM	Mokapu Pt.	8.4	14,514	147	98.7	1,509	4	377.3	(1/)					
T1	Waianae	12.0													
Maui County	I	Halona Pt.	12.0	14,101	182	77.5							(1/)		
	K	Palaoa	12.0	15,465	411	37.6							70	4	17.5
	M	Hana Bay	12.0	6,701	60	111.7	(1/)								

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

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 (cont.)	N	Cape Halawa	11.5	2,378	51	46.6											
	O	Kalaupapa	11.8	7,343	46	159.6									(1/)		
	Q	Pauwela Pt.	11.5	9,078	124	73.2											
	CC	Ka'ena Pt.	12.0	11,149	158	70.6		(1/)			(1/)						
	DD	Opana Pt.	10.1	4,788	99	48.4											
	FF	Pukaulua Pt.	10.1	9,904	64	154.8											
	HO	Ho'olawa Pt.	11.7	18,555	169	109.8											
	JJ	Kamohio	11.8	3,283	57	57.6											
	LA	Lahaina	12.0	7,184	376	19.1									(1/)		
	MC	Palaoa	12.0	43,731	329	132.9		(1/)		5,947	3	1,982.3					
	NL	Nu'u	11.5	3,816	38	100.4									(1/)		
	T2	Kolo Harbor	12.0		(1/)												
	T3	Pala'au	12.0		(1/)												
	T6	Palaoa	12.0	5,191	36	144.2									(1/)		
Kauai	Z	Kipukai	10.2	4,650	101	46.0	10,403	27	385.3								
	AA	Port Allen	12.0	6,242	121	51.6	14,689	39	376.6					(1/)			
	BB	Moloa'a	12.0	8,340	89	93.7	884	6	147.3					(1/)			
	CK	Makahu'ena Pt.	11.3	14,405	182	79.1	16,630	45	369.6								
	DK	Anahola	11.3	6,043	38	159.0	11,047	19	581.4								
	EK	Hanalei	12.0	6,447	96	67.2	5,779	7	825.6								
	KK	Waimea	12.0	4,430	55	80.5	2,468	10	246.8					(1/)			
	WK	Wailua	9.9	3,591	43	83.5	2,832	9	314.7								
	PP	Koloa	12.0	8,211	126	65.2	18,334	58	316.1					(1/)			

1/ To maintain data confidentiality, landing and fishing effort were not listed for some FADs by fishing method

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