

STATE OF HAWAII 2003 FISHERY STATISTICS

Compiled by
Division of Aquatic Resources
and the
Western Pacific Fishery Information Network

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STATE OF HAWAII 2003 FISHERY STATISTICS

INTRODUCTION

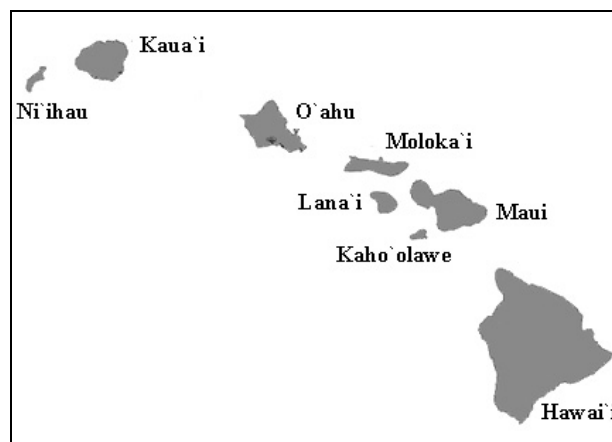
The Hawaiian Archipelago stretches northwestward over 1,500 miles.

Location: 19° N latitude, 155° W longitude to about 28° N latitude and 178° W longitude.

Islands: Hawaii, Maui, Lanai, Molokai, Oahu, Kauai, and Niihau (comprise over 99% of the total land area)

Population: 1,257,600 (*The State of Hawaii Data Book, 2003*)

Commercial Catch Breakdown (lbs):
Over 85% on Oahu, about 10% on Hawaii, 2% on Kauai, 2% on Maui, and less than 1% on other islands



Hawaiian Islands: copied and modified from:
http://satftp.soest.hawaii.edu/space/hawaii/maps/All_Islands_map.710x509.gif; SOEST
Satlab Server

The fisheries of the State of Hawaii are quite diverse; they vary from shore-based algae harvesting by hand to large-vessel fisheries such as longlining and lobster fishing. There are several major fisheries: tuna fishing through various methods, lobster trapping, hook-and-line bottom fishing for the grouper-snapper-jack complex, net fishing for species such as the bigeye scad, and trolling for such pelagic species as marlin, wahoo, and mahimahi. In 2001, prohibitions were placed on landing shark fins without their associated carcasses and on making shallow-sets with longline gear to target swordfish. Since then, shark and swordfish catches have dropped dramatically, and longline effort has significantly shifted from swordfish to tunas. The number of swordfish-directed trips has remained zero since 2002, and tuna-directed effort has increased from 458 in 1992 to 1,215 in 2003.

Commercial fishing (i.e., selling catches or providing charter fishing services) in Hawaii requires purchasing a commercial marine fishing license. In 2003, there were about 3,218 licensed commercial fishermen. The summary 2003 data provided in this document are current as of November 2004 and were created from a combination of HDAR fishermen and dealer reporting forms processed through their Dealer Reporting System (DRS) and Fisherman Reporting System (FRS) as well as fishery reporting forms (including federal longline logbooks). It is believed to represent over 95% of what may eventually be submitted and processed. The Department of Land and Natural Resources' Hawaii Division of Aquatic Resources (HDAR) has been collecting statistics on Hawaii's commercial fisheries for over 50 years.

DATA COLLECTING SYSTEM

In the past, data processed in the Reported Landings tables and charts presented in this section were collected from various Fishermen's Reporting System (FRS) Forms. Beginning in October 2002, HDAR implemented several new FRS forms that no longer required sales information reporting as a trade-off for requiring improved catch, effort, and bycatch statistics. The FRS was modified to accommodate these new forms.

The Dealer Reporting System (DRS) was computerized in 2000 and is now a major source of sales data used to create the tables and charts. Data from the NOAA Fisheries Longline Logbook Program are integrated with DRS and FRS data to create the “best available” summaries presented in this report.

Dealers are required by State law to submit a Commercial Marine Dealer's Report for each month that they are in the business of purchasing marine life. Information collected includes

- Dealer Name
- Dealer Number
- Month and Year
- Date
- First and Last Name from whom fish was bought
- Fisherman's Commercial Marine License Number
- Species Bought
- Pounds Bought
- Pieces Bought
- Amount Paid
- Condition

All holders of a Commercial Marine License (CML) are required by state law to report on their fishing activity. The majority of commercial fishermen use the “Monthly Fishing Report,” a replacement for the old General Fish Catch Report (C-3 Form). This form collects data on fishing catch and effort for each day, method, and area fished, and it is processed in the FRS. Information collected includes

- Fisherman's name and commercial license number
- Boat's name and its registration/USCG number
- Month and year fished
- Day fished
- Charter trip (y/n)
- Buoy or area fished
- Fishing method
- Hours fished per method/Area
- Number of net sets
- Number of fishing lines, traps, or net length
- Port of landing
- Species name
- Number landed
- Pounds landed
- Number lost
- Number released

Other FRS data collection forms include the Net, Trap and Dive Activity Report, Tuna Handline Trip Report, Deep Sea Handline Trip Report, Aku Boat Report, NWHI Bottomfish Trip Sales Report, and NWHI Bottomfish Trip Daily Log. Commercial collectors of tropical

D.3

marine fish are required to have an aquarium permit in addition to their commercial marine license, and they are required to report monthly on the C-6 Aquarium Fish Catch Report. Aquarium fish catches, however, are not included in this report's statistics.

The assumption is made that the data submitted by fishermen are complete and accurate. The HDAR continually attempts to improve the quality of data and decrease the time delays in receiving and processing the data.

No real measurement is available for what percent of the total commercial catch is actually reported to HDAR via fishermen and dealers, but estimates have ranged from about 10% to over 99%, depending on the species and fishery. The overall percent coverage was probably over 80% in 2003.

DATA PROCESSING SYSTEM

When HDAR receives various data reporting forms, staff code and edit the data before keypunching. Forms that fail initial editing are returned for correction and resubmission, or minor problems may be cleared up over the telephone. Delinquency notices are sent to those who fall more than a few months behind in their reporting. Once the data are keypunched, HDAR staff use computer-generated reports to verify and correct errors in the database. When the database is considered to be reasonably complete and error free, it is ready for use in producing various summary catch reports.

DATA REPORTING SYSTEM

More than 150 marine species and species groups are recorded in HDAR's monthly landings reports, many of which are insignificant in the total catch. To help reduce this document's size and improve the usability of the tables, WPacFIN staff combined some of the less important species, reorganized the order of presentation, created a new species coding system, and translated all records in the database. The new coding system has 100 species and species groups based on flexible ecological and phylogenetic criteria. All of the commercially important pelagic and bottomfish species or unique species groups have individual codes and are reported separately. Marine pond catches are included in the species totals, but make up less than 0.4% of the total landings for each year.

The monthly and annual reports included in this document contain the common name, pounds caught, pounds sold, value rounded to the nearest dollar, and the average price per pound for each species. Each monthly report contains a subtotal for the sum of all species for that month. Several types of graphs are also included. Please note that some of the charts in this volume are new or modified from earlier volumes. More up-to-date tables and charts are available at the WPacFIN Website at <http://www.pifsc.noaa.gov/wpacfin>.

The following species, species groups, and abbreviations are used in the tables and graphs of Hawaii's fishery statistics:

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Note: Many of the species included in this report have been recategorized over the years. For example, the Magnuson Fishery Conservation and Management Act of 1976 was amended in 1992 to include tunas in the Pelagic Management Unit Species (PMUS) category. However, this FSWP volume will maintain the original species categorizations from previous volumes for comparative purposes. As such, tunas are kept in a separate category.

I. Pelagic Management Unit Species (PMUS)

Mahimahi (dolphin)	Wahoo
Blue Marlin	Black Marlin
Striped Marlin	Shortnose Spearfish
Sailfish	Broadbill Swordfish
Sharks	Billfish (misc.)

II. Bottomfish Management Unit Species (BMUS)

Deep Water Jacks (misc.)	Amberjack
Pig-lipped Ulua (jack)	White Ulua
Hawaiian Grouper	Blue-lined Snapper
Ehu (red snapper)	Gindai (flower snapper)
Kalekale (pink snapper)	Lehi (silverjaw snapper)
Onaga (long tailed snapper)	Opakapaka (pink snapper)
Uku (gray snapper)	Snappers

III. Billfish

Billfish	Blue Marlin
Black Marlin	Striped Marlin
Shortnose Spearfish	Sailfish
Broadbill Swordfish	

IV. Tunas

Other Tunas	Skipjack Tuna
Yellowfin Tuna	Albacore
Bigeye Tuna	

V. Other Tunas

Misc. Tunas	Bluefin Tuna
Frigate Tuna	Kawakawa

VI. Fisheries Categories

A. Pelagic Species

All PMUS and tuna species including the following:

Rainbow Runner	Barracuda
Japanese Mackerel	Frigate Tuna
Ocean Sunfish	Ocean Moonfish

B. Bottomfish

All BMUS plus the following:

Blue Crevally	Dobe Ulua
Paapaa Ulua	Blue Spot Grouper
Porgy	

C. Reef Fish

Reef Jacks (misc.)	Squirrelfish
Trumpetfish	Scorpionfish
Mountain Bass	Bigeyes
Cardinalfish	Goatfish
Rudderfish	Butterflyfish
Damselfish	Hawkfish
Tipapia	Wrasse
Parrotfish	Gobies
Surgeonfish-Tangs	Flounders
Triggerfish	Filefish
Pufferfish	

D. Other

Miscellaneous	Rays
Eels	Bigeye Scad (akule)
Mackerel scad (opelu)	Leatherback
Anchovy	Ten pounder
Bonefish	Herring-sardine
Milkfish	Flyingfish
Needlefish	Halfbeaks
Threadfin	Mullet
Pomfret	Snake Mackerel
Freshwater Fish	Spiny Lobster
Slipper Lobster	Crabs
Shrimp (freshwater)	Shrimp (saltwater)

D. Other (cont.)

Octopus
Limpets (saltwater)
Clams
Precious Corals
Sea Cucumbers
Algae

Squid
Limpets (freshwater)
Stoney Corals
Sea Urchins
Sea Turtles

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Table D-1
2003 Annual Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	5,497	5,496	\$14,115	\$2.57
Sharks	289,637	289,637	\$107,949	\$0.37
Eels	921	921	\$1,021	\$1.11
Bigeye scad (akule)	437,928	328,443	\$514,618	\$1.57
Mackerel scad	337,674	246,011	\$474,452	\$1.93
Leatherback	580	572	\$814	\$1.42
Ten pounder	1,006	527	\$608	\$1.15
Bonefish	3,438	3,255	\$3,330	\$1.02
Herring/sardine	2	0	\$0	\$0.00
Milkfish	1,161	1,095	\$1,465	\$1.34
Needlefish	154	110	\$162	\$1.47
Threadfin	302	263	\$756	\$2.88
Mullet	9,607	9,198	\$30,798	\$3.35
Pomfret	458,674	458,673	\$777,185	\$1.69
Oilfish	278,118	278,118	\$417,332	\$1.50
Jacks (Misc)	2,269	2,058	\$4,231	\$2.06
Amberjack	5,482	1,852	\$1,212	\$0.65
Sasa Ulua	511	326	\$836	\$2.57
Pig-lipped ulua	27,405	24,780	\$48,030	\$1.94
Dobe ulua	15,866	3,909	\$6,893	\$1.76
Papa ulua	3,090	1,793	\$3,987	\$2.22
White ulua	13,589	11,531	\$20,787	\$1.80
Black ulua	4,530	3,753	\$5,966	\$1.59
Blue crevally	7,990	6,780	\$13,205	\$1.95
Hawaiian Grouper	50,909	45,830	\$182,111	\$3.97
Blue spot grouper	1,581	1,093	\$3,494	\$3.20
Snappers	3,112	3,079	\$8,773	\$2.85
Yellow-Tail Kali	8	0	\$0	\$0.00
Blue lined snapper	40,324	31,822	\$35,061	\$1.10
Ehu (red snapper)	28,169	27,445	\$106,536	\$3.88
Gindai (flower snapper)	5,135	4,786	\$13,792	\$2.88
Golden Kalekale	14,690	14,481	\$43,231	\$2.99
Lehi (silverjaw)	10,515	9,964	\$32,244	\$3.24
Onaga (red snapper)	134,514	131,147	\$730,009	\$5.57
Opakapaka (pink snapper)	144,447	140,836	\$735,768	\$5.22
Uku (gray snapper)	152,680	142,232	\$345,730	\$2.43
Porgy	4,736	4,470	\$10,435	\$2.33
Other Reeffish	295	293	\$209	\$0.71
Reef jacks	293	201	\$637	\$3.17
Squirrelfish	46,600	46,600	\$153,144	\$3.29
Trumpetfish	174	165	\$244	\$1.48
Scorpionfish	3,596	3,531	\$13,692	\$3.88
Mountain bass	3,271	3,263	\$12,905	\$3.95

Table D-1
2003 Annual Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Bigeyes	6,041	6,042	\$18,744	\$3.10
Goatfish	56,883	48,442	\$135,128	\$2.79
Rudderfish	23,672	20,128	\$22,502	\$1.12
Damselfish	999	879	\$1,973	\$2.25
Hawkfish	359	354	\$846	\$2.39
Tilapia	1,019	889	\$1,418	\$1.60
Wrasse	6,134	4,363	\$17,445	\$4.00
Parrotfish	67,587	67,443	\$168,771	\$2.50
Surgeon/tangs	116,343	112,240	\$166,826	\$1.49
Flounders	57	54	\$89	\$1.65
Filefish	2,559	2,531	\$2,801	\$1.11
Pufferfish	1	0	\$0	\$0.00
Other Pelagic	1,095,317	1,095,317	\$1,509,403	\$1.38
Rainbow runner	5,629	4,859	\$7,619	\$1.57
Mahimahi (dolphin)	1,312,811	1,312,813	\$2,914,089	\$2.22
Barracudas	23,988	23,987	\$22,909	\$0.96
Wahoo	981,769	981,769	\$1,904,079	\$1.94
Misc Tunas	23,451	22,104	\$62,145	\$2.81
Skipjack tuna	1,331,711	1,331,277	\$1,332,087	\$1.00
Yellowfin tuna	3,422,467	3,422,467	\$8,636,007	\$2.52
Albacore	1,341,333	1,341,333	\$1,561,267	\$1.16
Bigeye tuna	8,259,017	8,259,016	\$25,779,565	\$3.12
Kawakawa	7,957	4,302	\$4,589	\$1.07
Other Billfish	2,314	2,208	\$2,907	\$1.32
Broadbill swordfish	330,590	330,588	\$721,440	\$2.18
Blue marlin	952,776	952,777	\$823,425	\$0.86
Black marlin	6,332	4,069	\$4,374	\$1.07
Striped marlin	1,370,253	1,370,255	\$1,155,267	\$0.84
Shortnose spearfish	516,935	516,934	\$265,130	\$0.51
Sailfish	3,493	3,493	\$2,678	\$0.77
Spiny Lobster	6,953	5,557	\$66,670	\$12.00
Slipper Lobster	36	34	\$273	\$7.95
Crabs	25,931	15,642	\$60,436	\$3.86
Shrimp (saltwater)	5,850	1,620	\$9,173	\$5.66
Octopus	25,179	25,008	\$72,050	\$2.88
Squid	3,386	3,290	\$5,647	\$1.72
Limpets (saltwater)	11,583	11,517	\$67,657	\$5.87
Invertebrates	7,670	4,675	\$119,189	\$25.50
Algae	9,779	6,150	\$41,767	\$6.79
TOTAL	23,916,644	23,606,761	\$52,566,152	\$2.23

Table D-2
January 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	504	504	\$1,320	\$2.62
Sharks	23,797	23,797	\$13,000	\$0.55
Eels	25	25	\$38	\$1.50
Bigeye scad (akule)	13,222	13,222	\$27,089	\$2.05
Mackerel scad	23,394	14,067	\$27,393	\$1.95
Leatherback	46	44	\$61	\$1.39
Bonfish	141	54	\$55	\$1.01
Milkfish	7	7	\$9	\$1.25
Needlefish	4	4	\$8	\$1.84
Threadfin	31	31	\$110	\$3.55
Mullet	11	10	\$48	\$4.75
Pomfret	27,681	27,681	\$60,024	\$2.17
Oilfish	26,359	26,359	\$36,460	\$1.38
Jacks (Misc)	151	151	\$283	\$1.88
Amberjack	886	190	\$126	\$0.67
Sasa Ulua	5	5	\$13	\$2.50
Pig-lipped ulua	1,401	228	\$642	\$2.81
Dobe ulua	5	3	\$6	\$2.00
Papa ulua	212	212	\$475	\$2.24
White ulua	799	272	\$480	\$1.76
Black ulua	102	0	\$0	\$0.00
Blue crevally	186	81	\$162	\$2.00
Hawaiian Grouper	2,165	1,572	\$7,365	\$4.68
Blue spot grouper	46	2	\$6	\$3.50
Snappers	139	139	\$503	\$3.62
Blue lined snapper	1,862	1,862	\$2,142	\$1.15
Ehu (red snapper)	1,885	1,885	\$8,594	\$4.56
Gindai (flower snapper)	429	305	\$973	\$3.19
Golden Kalekale	1,433	1,433	\$4,144	\$2.89
Lehi (silverjaw)	1,923	1,785	\$6,517	\$3.65
Onaga (red snapper)	9,159	9,159	\$56,867	\$6.21
Opakapaka (pink snapper)	19,976	19,976	\$113,146	\$5.66
Uku (gray snapper)	5,837	5,454	\$18,198	\$3.34
Porgy	381	381	\$1,079	\$2.83
Other Reeffish	2	2	\$1	\$0.50
Squirrelfish	2,286	2,286	\$7,680	\$3.36
Trumpetfish	95	95	\$150	\$1.59
Scorpionfish	277	269	\$1,165	\$4.33
Mountain bass	389	389	\$1,542	\$3.96
Bigeyes	460	460	\$1,460	\$3.17
Goatfish	5,174	5,111	\$14,564	\$2.85
Rudderfish	715	715	\$886	\$1.24
Damselfish	18	15	\$30	\$1.95
Hawkfish	30	30	\$66	\$2.20

Table D-2
January 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Wrasse	367	212	\$603	\$2.85
Parrotfish	4,794	4,794	\$11,277	\$2.35
Surgeon/tangs	7,671	7,671	\$10,542	\$1.37
Flounders	3	3	\$7	\$2.32
Filefish	101	101	\$167	\$1.64
Other Pelagic	44,672	44,672	\$100,626	\$2.25
Rainbow runner	173	173	\$243	\$1.40
Mahimahi (dolphin)	141,388	141,388	\$214,165	\$1.51
Barracudas	1,719	1,719	\$2,192	\$1.28
Wahoo	28,842	28,842	\$87,564	\$3.04
Misc Tunas	104	31	\$33	\$1.08
Skipjack tuna	62,295	62,295	\$38,077	\$0.61
Yellowfin tuna	305,920	305,920	\$672,498	\$2.20
Albacore	48,941	48,941	\$83,314	\$1.70
Bigeye tuna	915,969	915,969	\$2,506,385	\$2.74
Kawakawa	832	470	\$457	\$0.97
Broadbill swordfish	5,195	5,195	\$14,761	\$2.84
Blue marlin	6,396	6,396	\$10,315	\$1.61
Black marlin	189	189	\$283	\$1.49
Striped marlin	69,330	69,330	\$92,672	\$1.34
Shortnose spearfish	101,303	101,303	\$33,132	\$0.33
Sailfish	267	267	\$526	\$1.97
Spiny Lobster	763	763	\$9,647	\$12.64
Slipper Lobster	10	10	\$86	\$8.86
Crabs	1,186	1,186	\$4,683	\$3.95
Shrimp (saltwater)	547	547	\$2,690	\$4.92
Octopus	1,411	1,411	\$3,899	\$2.76
Squid	30	30	\$81	\$2.70
Limpets (saltwater)	1,238	1,238	\$7,206	\$5.82
Invertebrates	380	24	\$89	\$3.66
Algae	492	492	\$3,174	\$6.46
TOTAL	1,926,178	1,911,856	\$4,326,271	\$2.26

Table D-3
February 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	406	406	\$967	\$2.38
Sharks	16,627	16,627	\$8,450	\$0.51
Bigeye scad (akule)	17,839	13,500	\$30,133	\$2.23
Mackerel scad	16,651	10,996	\$22,997	\$2.09
Leatherback	30	30	\$47	\$1.56
Ten pounder	59	59	\$59	\$1.00
Bonfish	74	74	\$68	\$0.91
Milkfish	15	15	\$19	\$1.28
Needlefish	14	6	\$9	\$1.50
Threadfin	90	90	\$323	\$3.58
Mullet	53	53	\$195	\$3.70
Pomfret	58,944	58,944	\$70,141	\$1.19
Oilfish	33,667	33,667	\$33,166	\$0.99
Jacks (Misc)	78	78	\$138	\$1.78
Amberjack	689	191	\$122	\$0.64
Sasa Ulua	23	23	\$35	\$1.50
Pig-lipped ulua	3,759	3,759	\$6,913	\$1.84
Dobe ulua	2,705	2	\$3	\$2.00
Papa ulua	306	306	\$543	\$1.78
White ulua	951	544	\$796	\$1.46
Black ulua	2,066	2,066	\$3,201	\$1.55
Blue crevally	469	436	\$781	\$1.79
Hawaiian Grouper	4,263	4,263	\$18,934	\$4.44
Blue spot grouper	51	21	\$63	\$3.00
Snappers	43	26	\$68	\$2.62
Blue lined snapper	2,527	564	\$770	\$1.37
Ehu (red snapper)	2,429	2,429	\$9,230	\$3.80
Gindai (flower snapper)	344	344	\$898	\$2.61
Golden Kalekale	1,248	1,248	\$3,874	\$3.11
Lehi (silverjaw)	1,420	1,420	\$5,178	\$3.65
Onaga (red snapper)	12,818	12,818	\$67,879	\$5.30
Opakapaka (pink snapper)	16,582	16,582	\$85,865	\$5.18
Uku (gray snapper)	12,237	11,972	\$29,307	\$2.45
Porgy	168	168	\$195	\$1.16
Squirrelfish	1,140	1,140	\$3,668	\$3.22
Trumpetfish	6	6	\$9	\$1.62
Scorpionfish	234	234	\$934	\$4.00
Mountain bass	317	317	\$1,334	\$4.22
Bigeyes	251	251	\$797	\$3.17
Goatfish	6,468	2,716	\$7,133	\$2.63
Rudderfish	1,128	1,048	\$1,113	\$1.06
Damselfish	62	61	\$151	\$2.47
Hawkfish	8	8	\$22	\$2.97
Tilapia	271	271	\$541	\$1.99

Table D-3
February 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Wrasse	241	225	\$1,138	\$5.05
Parrotfish	1,827	1,683	\$4,179	\$2.48
Surgeon/tangs	8,412	6,134	\$10,017	\$1.63
Filefish	33	5	\$6	\$1.25
Other Pelagic	44,711	44,711	\$101,573	\$2.27
Rainbow runner	130	125	\$165	\$1.32
Mahimahi (dolphin)	134,208	134,208	\$210,286	\$1.57
Barracudas	866	866	\$970	\$1.12
Wahoo	58,128	58,128	\$127,557	\$2.19
Misc Tunas	35	0	\$0	\$0.00
Skipjack tuna	39,091	39,091	\$29,268	\$0.75
Yellowfin tuna	383,958	383,958	\$921,152	\$2.40
Albacore	94,091	94,091	\$124,447	\$1.32
Bigeye tuna	868,651	868,651	\$2,274,929	\$2.62
Kawakawa	384	187	\$194	\$1.04
Other Billfish	45	0	\$0	\$0.00
Broadbill swordfish	8,738	8,738	\$22,767	\$2.61
Blue marlin	12,738	12,738	\$14,059	\$1.10
Black marlin	174	174	\$139	\$0.80
Striped marlin	98,055	98,055	\$91,905	\$0.94
Shortnose spearfish	88,510	88,510	\$31,188	\$0.35
Sailfish	249	249	\$248	\$1.00
Spiny Lobster	460	345	\$4,186	\$12.13
Crabs	1,882	1,074	\$4,937	\$4.60
Shrimp (saltwater)	608	112	\$253	\$2.27
Octopus	2,063	2,063	\$5,766	\$2.79
Squid	7	7	\$18	\$2.70
Limpets (saltwater)	784	784	\$4,599	\$5.87
Invertebrates	20	20	\$20	\$1.00
Algae	529	290	\$1,978	\$6.83
TOTAL	2,069,158	2,044,995	\$4,405,010	\$2.15

Table D-4
March 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	426	426	\$1,717	\$4.03
Sharks	40,426	40,426	\$15,431	\$0.38
Bigeye scad (akule)	49,817	31,919	\$60,872	\$1.91
Mackerel scad	21,230	18,008	\$37,839	\$2.10
Leatherback	22	22	\$27	\$1.27
Ten pounder	4	4	\$5	\$1.21
Bonefish	71	43	\$67	\$1.55
Milkfish	113	113	\$154	\$1.36
Needlefish	6	0	\$0	\$0.00
Threadfin	4	3	\$4	\$1.50
Mullet	130	130	\$389	\$2.99
Pomfret	57,471	57,471	\$68,874	\$1.20
Oilfish	34,922	34,922	\$42,164	\$1.21
Jacks (Misc)	48	23	\$65	\$2.80
Amberjack	767	379	\$244	\$0.64
Sasa Ulua	24	8	\$17	\$2.00
Pig-lipped ulua	3,368	3,131	\$4,483	\$1.43
Dobe ulua	7,514	799	\$1,063	\$1.33
Papa ulua	322	134	\$235	\$1.75
White ulua	493	392	\$574	\$1.46
Black ulua	964	964	\$1,379	\$1.43
Blue crevally	397	375	\$526	\$1.40
Hawaiian Grouper	4,425	4,133	\$17,004	\$4.11
Blue spot grouper	121	121	\$423	\$3.49
Snappers	87	70	\$234	\$3.33
Blue lined snapper	2,194	988	\$1,269	\$1.28
Ehu (red snapper)	2,887	2,528	\$9,352	\$3.70
Gindai (flower snapper)	444	405	\$1,171	\$2.89
Golden Kalekale	1,726	1,517	\$4,495	\$2.96
Lehi (silverjaw)	2,110	1,774	\$6,275	\$3.54
Onaga (red snapper)	9,590	9,590	\$54,459	\$5.68
Opakapaka (pink snapper)	23,291	22,970	\$109,052	\$4.75
Uku (gray snapper)	18,620	18,620	\$33,262	\$1.79
Porgy	103	103	\$137	\$1.33
Other Reeffish	12	12	\$6	\$0.50
Reef jacks	27	8	\$23	\$3.00
Squirrelfish	2,185	2,185	\$7,556	\$3.46
Trumpetfish	36	36	\$51	\$1.42
Scorpionfish	293	248	\$1,068	\$4.30
Mountain bass	223	223	\$1,069	\$4.79
Bigeyes	264	264	\$774	\$2.93
Goatfish	5,730	2,162	\$6,254	\$2.89
Rudderfish	3,471	930	\$1,495	\$1.61
Damselfish	23	23	\$52	\$2.21

Table D-4
March 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Hawkfish	26	26	\$73	\$2.80
Wrasse	907	591	\$1,955	\$3.31
Parrotfish	2,539	2,539	\$6,610	\$2.60
Surgeon/tangs	4,927	4,927	\$8,510	\$1.73
Flounders	3	2	\$2	\$1.00
Filefish	134	134	\$185	\$1.38
Other Pelagic	84,962	84,962	\$115,594	\$1.36
Rainbow runner	278	278	\$383	\$1.38
Mahimahi (dolphin)	165,575	165,575	\$269,445	\$1.63
Barracudas	3,829	3,829	\$4,114	\$1.07
Wahoo	132,500	132,500	\$178,870	\$1.35
Misc Tunas	21,504	21,504	\$56,831	\$2.64
Skipjack tuna	35,952	35,952	\$32,518	\$0.90
Yellowfin tuna	478,686	478,686	\$1,239,797	\$2.59
Albacore	86,079	86,079	\$131,672	\$1.53
Bigeye tuna	650,610	650,610	\$1,917,321	\$2.95
Kawakawa	450	450	\$312	\$0.69
Other Billfish	668	668	\$617	\$0.92
Broadbill swordfish	21,622	21,622	\$38,615	\$1.79
Blue marlin	38,490	38,490	\$29,797	\$0.77
Black marlin	927	123	\$135	\$1.10
Striped marlin	183,102	183,102	\$123,847	\$0.68
Shortnose spearfish	65,216	65,216	\$24,097	\$0.37
Sailfish	202	202	\$95	\$0.47
Spiny Lobster	923	653	\$7,650	\$11.72
Slipper Lobster	3	3	\$21	\$8.50
Crabs	3,058	1,552	\$7,145	\$4.60
Shrimp (saltwater)	1,154	328	\$1,654	\$5.04
Octopus	1,822	1,822	\$5,323	\$2.92
Squid	51	51	\$76	\$1.48
Limpets (saltwater)	1,402	1,402	\$6,519	\$4.65
Invertebrates	630	0	\$0	\$0.00
Algae	601	336	\$2,331	\$6.94
TOTAL	2,285,233	2,242,816	\$4,703,726	\$2.10

Table D-5
April 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	1,269	1,269	\$2,341	\$1.84
Sharks	31,794	31,794	\$13,272	\$0.42
Eels	41	41	\$54	\$1.32
Bigeye scad (akule)	44,062	38,975	\$68,896	\$1.77
Mackerel scad	29,688	25,648	\$51,735	\$2.02
Leatherback	13	11	\$11	\$1.00
Ten pounder	134	57	\$64	\$1.13
Bonefish	352	352	\$362	\$1.03
Milkfish	42	42	\$53	\$1.26
Needlefish	3	3	\$3	\$1.00
Threadfin	10	2	\$11	\$4.50
Mullet	2,229	2,229	\$7,174	\$3.22
Pomfret	31,642	31,642	\$56,731	\$1.79
Oilfish	21,658	21,658	\$40,086	\$1.85
Jacks (Misc)	225	225	\$277	\$1.23
Amberjack	212	212	\$149	\$0.70
Sasa Ulua	15	9	\$21	\$2.50
Pig-lipped ulua	3,424	3,108	\$5,015	\$1.61
Papa ulua	95	56	\$110	\$1.98
White ulua	2,586	2,586	\$5,997	\$2.32
Black ulua	56	0	\$0	\$0.00
Blue crevally	1,213	432	\$859	\$1.99
Hawaiian Grouper	8,875	6,066	\$23,011	\$3.79
Blue spot grouper	92	53	\$151	\$2.87
Snappers	257	257	\$820	\$3.19
Blue lined snapper	4,345	3,034	\$3,463	\$1.14
Ehu (red snapper)	2,089	1,724	\$7,477	\$4.34
Gindai (flower snapper)	435	327	\$902	\$2.76
Golden Kalekale	861	861	\$2,885	\$3.35
Lehi (silverjaw)	571	571	\$1,696	\$2.97
Onaga (red snapper)	9,962	8,598	\$47,335	\$5.51
Opakapaka (pink snapper)	10,330	8,762	\$45,621	\$5.21
Uku (gray snapper)	6,537	5,165	\$14,382	\$2.78
Porgy	920	920	\$2,108	\$2.29
Other Reeffish	31	31	\$16	\$0.50
Reef jacks	38	27	\$84	\$3.09
Squirrelfish	2,200	2,200	\$7,795	\$3.54
Trumpetfish	5	5	\$4	\$0.86
Scorpionfish	337	337	\$1,249	\$3.70
Mountain bass	40	39	\$169	\$4.37
Bigeyes	302	302	\$874	\$2.89
Goatfish	5,202	4,741	\$13,618	\$2.87
Rudderfish	331	331	\$419	\$1.26

Table D-5
April 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Damselfish	36	36	\$56	\$1.57
Tilapia	200	200	\$300	\$1.50
Wrasse	426	247	\$1,116	\$4.51
Parrotfish	11,287	11,287	\$28,565	\$2.53
Surgeon/tangs	12,516	12,516	\$21,501	\$1.72
Flounders	1	1	\$2	\$2.00
Filefish	804	804	\$1,041	\$1.29
Pufferfish	1	0	\$0	\$0.00
Other Pelagic	70,286	70,286	\$106,400	\$1.51
Rainbow runner	175	97	\$124	\$1.28
Mahimahi (dolphin)	158,349	158,349	\$389,309	\$2.46
Barracudas	2,329	2,329	\$2,665	\$1.14
Wahoo	89,889	89,889	\$192,766	\$2.14
Misc Tunas	28	2	\$0	\$0.10
Skipjack tuna	121,932	121,932	\$81,597	\$0.67
Yellowfin tuna	198,001	198,001	\$526,644	\$2.66
Albacore	151,648	151,648	\$193,292	\$1.27
Bigeye tuna	353,897	353,897	\$1,056,072	\$2.98
Kawakawa	403	302	\$344	\$1.14
Broadbill swordfish	25,720	25,720	\$53,128	\$2.07
Blue marlin	72,695	72,695	\$73,832	\$1.02
Black marlin	387	387	\$429	\$1.11
Striped marlin	86,805	86,805	\$105,699	\$1.22
Shortnose spearfish	29,806	29,806	\$28,211	\$0.95
Sailfish	480	480	\$371	\$0.77
Spiny Lobster	1,251	1,038	\$13,494	\$13.00
Slipper Lobster	6	6	\$27	\$4.95
Crabs	3,697	1,246	\$4,736	\$3.80
Shrimp (saltwater)	447	217	\$1,254	\$5.79
Octopus	1,499	1,499	\$4,443	\$2.96
Squid	5	5	\$13	\$2.50
Limpets (saltwater)	735	735	\$4,444	\$6.04
Invertebrates	280	2	\$75	\$37.50
Algae	1,028	591	\$2,783	\$4.71
TOTAL	1,621,597	1,597,779	\$3,322,079	\$2.08

Table D-6
May 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	200	200	\$768	\$3.84
Sharks	17,467	17,467	\$4,771	\$0.27
Eels	21	21	\$31	\$1.50
Bigeye scad (akule)	87,504	87,504	\$77,452	\$0.89
Mackerel scad	31,700	26,081	\$51,680	\$1.98
Leatherback	5	4	\$4	\$0.93
Ten pounder	183	15	\$16	\$1.11
Bonfish	31	31	\$36	\$1.14
Milkfish	180	180	\$225	\$1.25
Needlefish	12	12	\$18	\$1.51
Threadfin	37	11	\$57	\$5.00
Mullet	601	601	\$1,959	\$3.26
Pomfret	26,118	26,118	\$52,928	\$2.03
Oilfish	22,827	22,827	\$36,237	\$1.59
Jacks (Misc)	96	96	\$189	\$1.97
Amberjack	355	80	\$40	\$0.50
Sasa Ulua	93	93	\$336	\$3.62
Pig-lipped ulua	2,643	2,643	\$3,526	\$1.33
Papa ulua	237	136	\$288	\$2.12
White ulua	1,053	1,053	\$1,793	\$1.70
Black ulua	139	69	\$128	\$1.86
Blue crevally	1,944	1,944	\$3,863	\$1.99
Hawaiian Grouper	5,615	4,258	\$15,510	\$3.64
Blue spot grouper	333	265	\$865	\$3.27
Snappers	199	199	\$764	\$3.84
Blue lined snapper	8,655	8,655	\$8,282	\$0.96
Ehu (red snapper)	2,475	2,475	\$7,443	\$3.01
Gindai (flower snapper)	471	420	\$1,064	\$2.53
Golden Kalekale	1,015	1,015	\$2,810	\$2.77
Lehi (silverjaw)	629	629	\$1,708	\$2.71
Onaga (red snapper)	7,616	7,616	\$44,860	\$5.89
Opakapaka (pink snapper)	10,229	8,508	\$45,574	\$5.36
Uku (gray snapper)	14,605	13,064	\$30,140	\$2.31
Porgy	469	270	\$631	\$2.34
Other Reeffish	141	141	\$128	\$0.91
Reef jacks	6	4	\$11	\$2.87
Squirrelfish	3,321	3,321	\$11,370	\$3.42
Scorpionfish	238	226	\$803	\$3.56
Mountain bass	79	79	\$328	\$4.16
Bigeyes	405	405	\$1,352	\$3.34
Goatfish	3,918	3,918	\$10,988	\$2.80
Rudderfish	1,049	1,049	\$1,254	\$1.20
Damselfish	86	86	\$228	\$2.67
Hawkfish	31	31	\$81	\$2.66

Table D-6
May 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Wrasse	378	378	\$1,108	\$2.94
Parrotfish	5,889	5,889	\$14,498	\$2.46
Surgeon/tangs	11,060	11,060	\$16,111	\$1.46
Filefish	294	294	\$258	\$0.88
Other Pelagic	94,177	94,177	\$116,860	\$1.24
Rainbow runner	175	175	\$245	\$1.40
Mahimahi (dolphin)	92,877	92,877	\$259,086	\$2.79
Barracudas	4,908	4,908	\$4,383	\$0.89
Wahoo	174,363	174,363	\$192,561	\$1.10
Misc Tunas	443	443	\$4,917	\$11.10
Skipjack tuna	148,566	148,566	\$90,521	\$0.61
Yellowfin tuna	410,985	410,985	\$1,141,966	\$2.78
Albacore	520,346	520,346	\$375,766	\$0.72
Bigeye tuna	296,181	296,181	\$854,867	\$2.89
Kawakawa	614	530	\$596	\$1.12
Other Billfish	807	807	\$1,167	\$1.45
Broadbill swordfish	78,502	78,502	\$126,486	\$1.61
Blue marlin	170,142	170,142	\$75,113	\$0.44
Black marlin	1,221	601	\$212	\$0.35
Striped marlin	143,381	143,381	\$67,992	\$0.47
Shortnose spearfish	50,003	50,003	\$15,597	\$0.31
Sailfish	453	453	\$142	\$0.31
Crabs	1,648	567	\$1,932	\$3.41
Shrimp (saltwater)	338	126	\$891	\$7.09
Octopus	1,837	1,837	\$5,602	\$3.05
Squid	228	228	\$323	\$1.42
Limpets (saltwater)	922	922	\$4,587	\$4.98
Invertebrates	610	78	\$234	\$3.00
Algae	1,234	636	\$2,853	\$4.49
TOTAL	2,467,613	2,453,272	\$3,799,416	\$1.55

Table D-7
June 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	247	247	\$779	\$3.16
Sharks	19,226	19,226	\$5,712	\$0.30
Eels	78	78	\$87	\$1.12
Bigeye scad (akule)	70,714	35,566	\$62,253	\$1.75
Mackerel scad	23,508	19,252	\$36,898	\$1.92
Leatherback	58	58	\$86	\$1.48
Ten pounder	89	19	\$24	\$1.24
Bonfish	509	475	\$477	\$1.00
Milkfish	50	50	\$50	\$1.00
Needlefish	28	25	\$32	\$1.28
Mullet	541	541	\$1,858	\$3.43
Pomfret	42,724	42,724	\$75,469	\$1.77
Oilfish	16,063	16,063	\$34,797	\$2.17
Jacks (Misc)	309	309	\$585	\$1.89
Amberjack	178	178	\$120	\$0.68
Sasa Ulua	117	117	\$275	\$2.34
Pig-lipped ulua	3,419	3,099	\$5,515	\$1.78
Dobe ulua	1,740	3	\$5	\$1.75
Papa ulua	373	127	\$261	\$2.06
White ulua	1,482	1,348	\$2,618	\$1.94
Black ulua	253	253	\$505	\$1.99
Blue crevally	987	804	\$1,600	\$1.99
Hawaiian Grouper	8,312	8,312	\$26,045	\$3.13
Blue spot grouper	485	485	\$1,570	\$3.24
Snappers	325	325	\$1,262	\$3.88
Blue lined snapper	3,258	3,258	\$3,649	\$1.12
Ehu (red snapper)	2,911	2,911	\$7,811	\$2.68
Gindai (flower snapper)	661	661	\$1,359	\$2.06
Golden Kalekale	1,499	1,499	\$4,751	\$3.17
Lehi (silverjaw)	862	862	\$2,286	\$2.65
Onaga (red snapper)	10,793	10,793	\$51,111	\$4.74
Opakapaka (pink snapper)	12,193	12,193	\$59,869	\$4.91
Uku (gray snapper)	19,493	19,493	\$40,410	\$2.07
Porgy	329	329	\$911	\$2.77
Other Reeffish	27	27	\$17	\$0.61
Reef jacks	76	60	\$210	\$3.54
Squirrelfish	4,401	4,401	\$15,170	\$3.45
Scorpionfish	260	260	\$935	\$3.60
Mountain bass	185	179	\$444	\$2.48
Bigeyes	507	507	\$1,624	\$3.20
Goatfish	4,802	4,802	\$10,917	\$2.27
Rudderfish	1,724	1,724	\$1,881	\$1.09
Damselfish	86	64	\$121	\$1.88

Table D-7
June 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Hawkfish	21	21	\$56	\$2.70
Wrasse	450	274	\$784	\$2.86
Parrotfish	10,496	10,496	\$25,806	\$2.46
Surgeon/tangs	7,985	7,985	\$12,004	\$1.50
Flounders	1	1	\$2	\$2.00
Filefish	625	625	\$511	\$0.82
Other Pelagic	54,137	54,137	\$91,357	\$1.69
Rainbow runner	382	219	\$252	\$1.15
Mahimahi (dolphin)	37,293	37,293	\$146,222	\$3.92
Barracudas	3,603	3,603	\$2,176	\$0.60
Wahoo	138,528	138,528	\$217,134	\$1.57
Misc Tunas	347	3	\$1	\$0.40
Skipjack tuna	271,047	271,047	\$276,548	\$1.02
Yellowfin tuna	320,556	320,556	\$922,569	\$2.88
Albacore	170,827	170,827	\$254,033	\$1.49
Bigeye tuna	326,166	326,166	\$1,164,880	\$3.57
Kawakawa	448	329	\$407	\$1.24
Other Billfish	501	440	\$660	\$1.50
Broadbill swordfish	73,018	73,018	\$176,613	\$2.42
Blue marlin	155,091	155,091	\$119,950	\$0.77
Black marlin	417	417	\$260	\$0.62
Striped marlin	62,445	62,445	\$62,177	\$1.00
Shortnose spearfish	23,766	23,766	\$23,528	\$0.99
Sailfish	171	171	\$149	\$0.87
Crabs	944	610	\$2,097	\$3.44
Shrimp (saltwater)	265	11	\$11	\$1.00
Octopus	1,872	1,872	\$5,695	\$3.04
Squid	353	353	\$499	\$1.42
Limpets (saltwater)	712	647	\$2,778	\$4.29
Invertebrates	4,306	4,306	\$117,999	\$27.40
Algae	688	688	\$4,076	\$5.93
TOTAL	1,923,343	1,879,651	\$4,093,592	\$2.18

Table D-8
July 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	306	306	\$897	\$2.93
Sharks	19,271	19,271	\$7,431	\$0.39
Eels	53	53	\$59	\$1.10
Bigeye scad (akule)	24,928	24,928	\$33,098	\$1.33
Mackerel scad	21,569	21,569	\$42,374	\$1.96
Leatherback	185	185	\$266	\$1.44
Ten pounder	156	14	\$14	\$1.00
Bonfish	562	555	\$564	\$1.02
Milkfish	166	131	\$169	\$1.29
Needlefish	11	5	\$5	\$1.00
Mullet	509	472	\$1,598	\$3.39
Pomfret	35,096	35,096	\$66,974	\$1.91
Oilfish	14,089	14,089	\$35,553	\$2.52
Jacks (Misc)	165	38	\$107	\$2.79
Amberjack	76	66	\$39	\$0.59
Sasa Ulua	51	36	\$75	\$2.09
Pig-lipped ulua	1,565	1,565	\$3,176	\$2.03
Dobe ulua	3	3	\$4	\$1.50
Papa ulua	45	44	\$85	\$1.96
White ulua	1,374	683	\$1,199	\$1.76
Black ulua	74	64	\$128	\$2.00
Blue crevally	630	574	\$1,163	\$2.02
Hawaiian Grouper	2,054	2,054	\$9,393	\$4.57
Blue spot grouper	60	44	\$127	\$2.87
Snappers	229	229	\$803	\$3.51
Blue lined snapper	3,096	3,096	\$3,358	\$1.08
Ehu (red snapper)	1,434	1,434	\$5,509	\$3.84
Gindai (flower snapper)	104	104	\$319	\$3.08
Golden Kalekale	1,251	1,251	\$2,256	\$1.80
Lehi (silverjaw)	165	129	\$355	\$2.75
Onaga (red snapper)	7,103	7,103	\$39,473	\$5.56
Opakapaka (pink snapper)	3,634	3,634	\$19,639	\$5.40
Uku (gray snapper)	12,246	12,246	\$29,416	\$2.40
Porgy	350	350	\$901	\$2.58
Other Reeffish	12	12	\$6	\$0.50
Reef jacks	20	18	\$54	\$3.03
Squirrelfish	3,708	3,708	\$12,546	\$3.38
Trumpetfish	4	4	\$4	\$1.25
Scorpionfish	285	285	\$493	\$1.73
Mountain bass	251	251	\$796	\$3.17
Bigeyes	191	191	\$523	\$2.74
Goatfish	2,975	2,975	\$9,602	\$3.23
Rudderfish	4,750	3,827	\$4,016	\$1.05

Table D-8
July 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Damselfish	78	78	\$179	\$2.30
Hawkfish	60	60	\$130	\$2.15
Tilapia	5	5	\$13	\$2.50
Wrasse	409	243	\$791	\$3.26
Parrotfish	8,176	8,176	\$20,807	\$2.54
Surgeon/tangs	12,653	12,653	\$16,129	\$1.27
Flounders	6	6	\$6	\$1.00
Filefish	198	198	\$198	\$1.00
Other Pelagic	96,625	96,625	\$121,444	\$1.26
Rainbow runner	875	688	\$1,172	\$1.70
Mahimahi (dolphin)	39,535	39,535	\$146,307	\$3.70
Barracudas	3,699	3,699	\$2,197	\$0.59
Wahoo	96,959	96,959	\$209,435	\$2.16
Misc Tunas	677	8	\$8	\$1.00
Skipjack tuna	195,983	195,983	\$199,414	\$1.02
Yellowfin tuna	393,649	393,649	\$899,037	\$2.28
Albacore	65,185	65,185	\$124,389	\$1.91
Bigeye tuna	703,258	703,258	\$2,092,343	\$2.98
Kawakawa	577	403	\$354	\$0.88
Other Billfish	293	293	\$464	\$1.58
Broadbill swordfish	46,933	46,933	\$116,604	\$2.48
Blue marlin	137,054	137,054	\$127,325	\$0.93
Black marlin	1,310	1,310	\$1,891	\$1.44
Striped marlin	36,319	36,319	\$57,206	\$1.58
Shortnose spearfish	18,488	18,488	\$21,968	\$1.19
Sailfish	118	118	\$147	\$1.24
Crabs	883	676	\$2,015	\$2.98
Shrimp (saltwater)	672	126	\$1,188	\$9.43
Octopus	2,426	2,426	\$7,425	\$3.06
Squid	710	710	\$1,647	\$2.32
Limpets (saltwater)	301	301	\$1,976	\$6.57
Algae	794	794	\$15,258	\$19.21
TOTAL	2,029,714	2,025,645	\$4,524,031	\$2.23

Table D-9
August 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	1,237	1,237	\$2,618	\$2.12
Sharks	27,397	27,397	\$9,683	\$0.35
Eels	126	126	\$140	\$1.11
Bigeye scad (akule)	49,705	25,006	\$40,354	\$1.61
Mackerel scad	27,859	20,209	\$36,944	\$1.83
Leatherback	73	73	\$95	\$1.30
Ten pounder	24	3	\$3	\$1.00
Bonefish	147	121	\$126	\$1.04
Milkfish	220	220	\$332	\$1.51
Needlefish	4	4	\$4	\$1.00
Threadfin	3	2	\$8	\$4.00
Mullet	814	698	\$2,383	\$3.42
Pomfret	25,477	25,477	\$64,178	\$2.52
Oilfish	16,787	16,787	\$38,656	\$2.30
Jacks (Misc)	475	475	\$771	\$1.62
Amberjack	678	197	\$122	\$0.62
Sasa Ulua	33	14	\$27	\$1.91
Pig-lipped ulua	1,790	1,454	\$3,900	\$2.68
Dobe ulua	4	0	\$0	\$0.00
Papa ulua	99	99	\$227	\$2.29
White ulua	808	808	\$1,521	\$1.88
Black ulua	196	196	\$349	\$1.78
Blue crevally	424	417	\$872	\$2.09
Hawaiian Grouper	957	929	\$4,931	\$5.31
Blue spot grouper	143	29	\$82	\$2.81
Snappers	301	301	\$1,161	\$3.86
Yellow-Tail Kali	6	0	\$0	\$0.00
Blue lined snapper	1,531	1,309	\$1,434	\$1.10
Ehu (red snapper)	1,151	1,151	\$5,643	\$4.90
Gindai (flower snapper)	177	177	\$679	\$3.85
Golden Kalekale	808	808	\$2,376	\$2.94
Lehi (silverjaw)	443	443	\$1,274	\$2.87
Onaga (red snapper)	7,276	5,272	\$31,117	\$5.90
Opakapaka (pink snapper)	4,905	4,905	\$25,574	\$5.21
Uku (gray snapper)	17,551	10,666	\$29,908	\$2.80
Porgy	473	473	\$1,183	\$2.50
Other Reeffish	30	29	\$15	\$0.50
Reef jacks	43	41	\$123	\$2.98
Squirrelfish	4,255	4,255	\$14,000	\$3.29
Trumpetfish	2	2	\$2	\$1.08
Scorpionfish	237	237	\$885	\$3.73
Mountain bass	204	204	\$934	\$4.58
Bigeyes	182	182	\$621	\$3.41

Table D-9
August 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Goatfish	4,405	4,405	\$14,378	\$3.26
Rudderfish	2,269	2,269	\$2,453	\$1.08
Damselfish	119	48	\$102	\$2.14
Hawkfish	44	44	\$112	\$2.57
Tilapia	278	278	\$278	\$1.00
Wrasse	501	298	\$1,198	\$4.02
Parrotfish	7,136	7,136	\$17,649	\$2.47
Surgeon/tangs	16,593	14,767	\$22,462	\$1.52
Flounders	3	3	\$5	\$2.00
Filefish	158	158	\$162	\$1.02
Other Pelagic	164,708	164,708	\$195,532	\$1.19
Rainbow runner	481	481	\$592	\$1.23
Mahimahi (dolphin)	105,024	105,024	\$309,142	\$2.94
Barracudas	634	634	\$806	\$1.27
Wahoo	60,470	60,470	\$196,574	\$3.25
Misc Tunas	139	0	\$0	\$0.00
Skipjack tuna	152,904	152,904	\$159,303	\$1.04
Yellowfin tuna	265,539	265,539	\$599,234	\$2.26
Albacore	125,224	125,224	\$145,185	\$1.16
Bigeye tuna	982,477	982,477	\$2,831,522	\$2.88
Kawakawa	1,630	178	\$206	\$1.16
Broadbill swordfish	28,020	28,020	\$75,025	\$2.68
Blue marlin	79,855	79,855	\$105,628	\$1.32
Black marlin	591	0	\$0	\$0.00
Striped marlin	27,794	27,794	\$65,087	\$2.34
Shortnose spearfish	11,482	11,482	\$21,176	\$1.84
Sailfish	67	67	\$144	\$2.14
Crabs	1,512	557	\$1,897	\$3.40
Shrimp (saltwater)	221	104	\$783	\$7.53
Octopus	4,573	4,573	\$13,713	\$3.00
Squid	1,368	1,368	\$2,229	\$1.63
Limpets (saltwater)	891	891	\$3,806	\$4.27
Invertebrates	35	35	\$105	\$3.00
Algae	882	463	\$2,051	\$4.43
TOTAL	2,243,082	2,194,688	\$5,113,790	\$2.33

Table D-10
September 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	211	211	\$734	\$3.48
Sharks	23,493	23,493	\$8,701	\$0.37
Eels	116	116	\$116	\$1.01
Bigeye scad (akule)	28,895	8,870	\$20,407	\$2.30
Mackerel scad	54,100	23,052	\$42,496	\$1.84
Leatherback	47	47	\$80	\$1.71
Ten pounder	99	99	\$94	\$0.95
Bonfish	700	700	\$709	\$1.01
Milkfish	204	204	\$255	\$1.25
Needlefish	10	10	\$15	\$1.57
Threadfin	96	96	\$128	\$1.33
Mullet	1,149	1,135	\$4,030	\$3.55
Pomfret	31,292	31,292	\$58,572	\$1.87
Oilfish	10,883	10,883	\$24,734	\$2.27
Jacks (Misc)	392	392	\$927	\$2.36
Amberjack	365	158	\$148	\$0.94
Sasa Ulua	20	0	\$0	\$0.00
Pig-lipped ulua	1,584	1,584	\$3,602	\$2.27
Dobe ulua	9	9	\$18	\$2.00
Papa ulua	184	141	\$367	\$2.60
White ulua	1,037	1,037	\$1,426	\$1.38
Black ulua	509	80	\$139	\$1.75
Blue crevally	434	434	\$784	\$1.80
Hawaiian Grouper	2,042	2,042	\$9,982	\$4.89
Blue spot grouper	63	40	\$120	\$3.00
Snappers	397	397	\$872	\$2.20
Blue lined snapper	3,452	3,452	\$4,103	\$1.19
Ehu (red snapper)	1,664	1,664	\$6,616	\$3.98
Gindai (flower snapper)	220	220	\$825	\$3.76
Golden Kalekale	1,346	1,346	\$4,313	\$3.20
Lehi (silverjaw)	662	621	\$1,899	\$3.06
Onaga (red snapper)	18,387	18,387	\$91,559	\$4.98
Opakapaka (pink snapper)	6,948	6,948	\$35,269	\$5.08
Uku (gray snapper)	20,491	20,491	\$48,726	\$2.38
Porgy	323	323	\$819	\$2.54
Other Reeffish	17	17	\$8	\$0.50
Reef jacks	49	16	\$48	\$2.97
Squirrelfish	8,517	8,517	\$26,876	\$3.16
Trumpetfish	7	0	\$0	\$0.00
Scorpionfish	379	379	\$1,484	\$3.91
Mountain bass	417	417	\$1,450	\$3.48
Bigeyes	1,385	1,385	\$4,127	\$2.98
Goatfish	3,052	3,002	\$9,348	\$3.11

Table D-10
September 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Rudderfish	2,370	2,370	\$2,641	\$1.11
Damselfish	108	108	\$240	\$2.21
Hawkfish	67	67	\$148	\$2.23
Wrasse	738	534	\$2,014	\$3.77
Parrotfish	5,407	5,407	\$13,500	\$2.50
Surgeon/tangs	13,393	13,393	\$18,545	\$1.38
Flounders	9	9	\$14	\$1.55
Filefish	48	48	\$58	\$1.19
Other Pelagic	130,275	130,275	\$157,921	\$1.21
Rainbow runner	1,073	1,073	\$1,600	\$1.49
Mahimahi (dolphin)	141,017	141,017	\$257,086	\$1.82
Barracudas	311	311	\$415	\$1.34
Wahoo	53,789	53,789	\$147,487	\$2.74
Misc Tunas	102	102	\$337	\$3.30
Skipjack tuna	89,051	88,618	\$129,266	\$1.46
Yellowfin tuna	180,939	180,939	\$499,586	\$2.76
Albacore	45,081	45,081	\$66,491	\$1.47
Bigeye tuna	525,244	525,244	\$2,141,736	\$4.08
Kawakawa	489	289	\$346	\$1.20
Broadbill swordfish	6,857	6,857	\$16,765	\$2.44
Blue marlin	68,421	68,421	\$81,459	\$1.19
Black marlin	123	123	\$234	\$1.90
Striped marlin	67,407	67,407	\$97,680	\$1.45
Shortnose spearfish	17,297	17,297	\$21,251	\$1.23
Sailfish	251	251	\$200	\$0.80
Spiny Lobster	1,271	834	\$8,594	\$10.31
Slipper Lobster	2	2	\$14	\$7.00
Crabs	4,691	4,045	\$15,582	\$3.85
Shrimp (saltwater)	519	50	\$450	\$9.00
Octopus	3,470	3,470	\$9,272	\$2.67
Squid	389	294	\$397	\$1.35
Limpets (saltwater)	1,502	1,502	\$10,132	\$6.75
Invertebrates	1,200	0	\$0	\$0.00
Algae	2,077	637	\$2,443	\$3.84
TOTAL	1,590,635	1,533,566	\$4,120,827	\$2.69

Table D-11
October 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	235	235	\$750	\$3.20
Sharks	16,343	16,343	\$7,283	\$0.45
Eels	183	183	\$194	\$1.06
Bigeye scad (akule)	14,177	11,888	\$26,933	\$2.27
Mackerel scad	41,542	32,123	\$57,156	\$1.78
Leatherback	74	74	\$93	\$1.25
Ten pounder	33	33	\$74	\$2.24
Bonefish	41	41	\$40	\$0.98
Herring/sardine	2	0	\$0	\$0.00
Milkfish	26	26	\$30	\$1.16
Needlefish	8	8	\$9	\$1.08
Threadfin	13	10	\$33	\$3.34
Mullet	1,659	1,659	\$5,516	\$3.33
Pomfret	49,902	49,902	\$77,484	\$1.55
Oilfish	15,111	15,111	\$30,526	\$2.02
Jacks (Misc)	206	206	\$705	\$3.42
Amberjack	441	72	\$36	\$0.50
Sasa Ulua	100	16	\$28	\$1.75
Pig-lipped ulua	1,103	1,001	\$2,576	\$2.57
Dobe ulua	397	397	\$879	\$2.22
Papa ulua	593	261	\$521	\$2.00
White ulua	1,621	1,614	\$2,131	\$1.32
Black ulua	59	3	\$5	\$1.55
Blue crevally	667	667	\$1,244	\$1.86
Hawaiian Grouper	4,282	4,282	\$16,844	\$3.93
Blue spot grouper	48	23	\$63	\$2.72
Snappers	197	197	\$690	\$3.50
Yellow-Tail Kali	2	0	\$0	\$0.00
Blue lined snapper	2,979	2,413	\$2,845	\$1.18
Ehu (red snapper)	3,147	3,147	\$11,571	\$3.68
Gindai (flower snapper)	619	619	\$2,015	\$3.26
Golden Kalekale	1,721	1,721	\$5,392	\$3.13
Lehi (silverjaw)	806	806	\$2,080	\$2.58
Onaga (red snapper)	13,608	13,608	\$70,884	\$5.21
Opakapaka (pink snapper)	15,265	15,265	\$73,779	\$4.83
Uku (gray snapper)	11,414	11,414	\$30,950	\$2.71
Porgy	582	582	\$1,439	\$2.47
Other Reeffish	7	7	\$5	\$0.72
Reef jacks	17	17	\$51	\$3.04
Squirrelfish	8,353	8,353	\$25,189	\$3.02
Trumpetfish	5	5	\$6	\$1.39
Scorpionfish	389	389	\$1,616	\$4.15
Goatfish	3,383	3,383	\$11,105	\$3.28

Table D-11
October 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Rudderfish	2,450	2,450	\$2,588	\$1.06
Damselfish	104	104	\$255	\$2.45
Hawkfish	33	33	\$74	\$2.22
Tilapia	35	35	\$88	\$2.50
Wrasse	801	621	\$3,365	\$5.42
Parrotfish	4,518	4,518	\$11,594	\$2.57
Surgeon/tangs	8,557	8,557	\$12,972	\$1.52
Flounders	13	13	\$19	\$1.48
Filefish	42	42	\$43	\$1.01
Other Pelagic	130,921	130,921	\$143,394	\$1.10
Rainbow runner	1,071	1,034	\$1,999	\$1.93
Mahimahi (dolphin)	101,148	101,148	\$270,101	\$2.67
Barracudas	305	305	\$450	\$1.48
Wahoo	49,099	49,099	\$139,348	\$2.84
Misc Tunas	47	6	\$9	\$1.50
Skipjack tuna	143,045	143,045	\$171,970	\$1.20
Yellowfin tuna	129,157	129,157	\$352,446	\$2.73
Albacore	11,742	11,742	\$22,706	\$1.93
Bigeye tuna	658,819	658,819	\$2,408,208	\$3.66
Kawakawa	706	706	\$592	\$0.84
Broadbill swordfish	14,054	14,054	\$25,947	\$1.85
Blue marlin	72,742	72,742	\$70,801	\$0.97
Black marlin	180	165	\$377	\$2.28
Striped marlin	111,207	111,207	\$111,629	\$1.00
Shortnose spearfish	17,148	17,148	\$16,240	\$0.95
Sailfish	294	294	\$282	\$0.96
Spiny Lobster	1,228	1,228	\$14,474	\$11.78
Slipper Lobster	15	15	\$125	\$8.50
Crabs	2,942	1,665	\$5,978	\$3.59
Shrimp (saltwater)	192	0	\$0	\$0.00
Octopus	1,799	1,628	\$4,284	\$2.63
Squid	200	200	\$297	\$1.48
Limpets (saltwater)	963	963	\$11,181	\$11.61
Algae	683	499	\$1,814	\$3.64
Mountain bass	74	74	\$255	\$3.43
Bigeyes	521	521	\$1,535	\$2.94
TOTAL	1,678,215	1,662,860	\$4,278,207	\$2.57

Table D-12
November 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	122	122	\$479	\$3.93
Sharks	26,180	26,180	\$7,998	\$0.31
Eels	55	55	\$72	\$1.30
Bigeye scad (akule)	19,376	19,376	\$34,015	\$1.76
Mackerel scad	29,348	22,238	\$42,617	\$1.92
Leatherback	10	7	\$14	\$1.93
Ten pounder	209	209	\$242	\$1.16
Bonfish	763	763	\$782	\$1.02
Milkfish	109	79	\$103	\$1.31
Needlefish	24	17	\$32	\$1.88
Threadfin	15	15	\$78	\$5.17
Mullet	1,858	1,619	\$5,413	\$3.34
Pomfret	36,824	36,824	\$55,169	\$1.50
Oilfish	24,801	24,801	\$24,870	\$1.00
Jacks (Misc)	40	39	\$127	\$3.31
Amberjack	627	55	\$28	\$0.50
Sasa Ulua	19	0	\$0	\$0.00
Pig-lipped ulua	1,688	1,583	\$4,061	\$2.57
Dobe ulua	1,088	1,088	\$2,189	\$2.01
Papa ulua	229	164	\$452	\$2.75
White ulua	546	356	\$577	\$1.62
Black ulua	34	18	\$35	\$2.00
Blue crevally	365	341	\$699	\$2.05
Hawaiian Grouper	4,181	4,181	\$15,583	\$3.73
Blue spot grouper	68	3	\$6	\$2.00
Snappers	848	848	\$1,256	\$1.48
Blue lined snapper	3,258	1,585	\$1,736	\$1.10
Ehu (red snapper)	2,907	2,907	\$9,993	\$3.44
Gindai (flower snapper)	662	662	\$1,616	\$2.44
Golden Kalekale	627	627	\$1,900	\$3.03
Lehi (silverjaw)	251	251	\$794	\$3.17
Onaga (red snapper)	10,192	10,192	\$55,180	\$5.41
Opakapaka (pink snapper)	6,407	6,407	\$33,584	\$5.24
Uku (gray snapper)	7,870	7,870	\$23,235	\$2.95
Porgy	276	209	\$452	\$2.16
Other Reeffish	11	11	\$5	\$0.50
Reef jacks	15	9	\$28	\$3.00
Squirrelfish	3,746	3,746	\$13,226	\$3.53
Trumpetfish	6	6	\$8	\$1.34
Scorpionfish	205	205	\$790	\$3.85
Mountain bass	492	492	\$1,791	\$3.64
Bigeyes	981	981	\$3,140	\$3.20
Goatfish	5,472	5,472	\$13,578	\$2.48

Table D-12
November 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Rudderfish	2,129	2,129	\$2,223	\$1.04
Damsel fish	82	82	\$168	\$2.05
Hawkfish	2	2	\$4	\$2.00
Tilapia	130	0	\$0	\$0.00
Wrasse	357	328	\$1,595	\$4.86
Parrotfish	3,283	3,283	\$8,548	\$2.60
Surgeon/tangs	5,504	5,504	\$7,883	\$1.43
Flounders	2	2	\$2	\$1.00
Filefish	26	26	\$37	\$1.46
Other Pelagic	95,610	95,610	\$119,248	\$1.25
Rainbow runner	414	414	\$729	\$1.76
Mahimahi (dolphin)	97,422	97,422	\$216,721	\$2.22
Barracudas	623	623	\$1,000	\$1.61
Wahoo	27,653	27,653	\$69,040	\$2.50
Misc Tunas	15	5	\$9	\$1.75
Skipjack tuna	28,566	28,566	\$47,449	\$1.66
Yellowfin tuna	126,847	126,847	\$281,781	\$2.22
Albacore	850	850	\$2,145	\$2.52
Bigeye tuna	811,618	811,618	\$2,541,577	\$3.13
Kawakawa	682	236	\$335	\$1.42
Broadbill swordfish	9,032	9,032	\$21,638	\$2.40
Blue marlin	76,023	76,023	\$57,887	\$0.76
Black marlin	612	379	\$183	\$0.48
Striped marlin	206,195	206,195	\$123,584	\$0.60
Shortnose spearfish	25,902	25,902	\$13,794	\$0.53
Sailfish	581	581	\$225	\$0.39
Spiny Lobster	260	82	\$875	\$10.68
Crabs	2,031	1,205	\$4,431	\$3.68
Shrimp (saltwater)	526	0	\$0	\$0.00
Octopus	1,451	1,451	\$4,040	\$2.79
Squid	45	45	\$68	\$1.50
Limpets (saltwater)	1,000	1,000	\$5,126	\$5.12
Invertebrates	76	76	\$268	\$3.50
Algae	455	409	\$1,366	\$3.34
TOTAL	1,718,809	1,706,190	\$3,891,926	\$2.28

Table D-13
December 2003 Reported Commercial Landings

Species	Caught	Sold	Value	Price/Lb.
Miscellaneous	334	334	\$745	\$2.23
Sharks	27,616	27,616	\$6,218	\$0.23
Eels	223	223	\$230	\$1.03
Bigeye scad (akule)	17,689	17,689	\$33,115	\$1.87
Mackerel scad	17,085	12,768	\$24,323	\$1.91
Leatherback	17	17	\$30	\$1.76
Ten pounder	16	16	\$13	\$0.83
Bonfish	47	47	\$47	\$1.01
Milkfish	29	29	\$68	\$2.38
Needlefish	30	16	\$27	\$1.68
Threadfin	3	3	\$5	\$2.00
Mullet	53	53	\$236	\$4.44
Pomfret	35,503	35,503	\$70,642	\$1.99
Oilfish	40,951	40,951	\$40,083	\$0.98
Jacks (Misc)	84	26	\$57	\$2.19
Amberjack	208	76	\$38	\$0.50
Sasa Ulua	11	4	\$9	\$2.47
Pig-lipped ulua	1,661	1,624	\$4,624	\$2.85
Dobe ulua	2,401	1,606	\$2,726	\$1.70
Papa ulua	395	115	\$423	\$3.68
White ulua	839	839	\$1,677	\$2.00
Black ulua	78	42	\$98	\$2.36
Blue crevally	274	274	\$654	\$2.39
Hawaiian Grouper	3,738	3,738	\$17,509	\$4.68
Blue spot grouper	71	7	\$18	\$2.50
Snappers	90	90	\$340	\$3.80
Blue lined snapper	3,167	1,607	\$2,010	\$1.25
Ehu (red snapper)	3,190	3,190	\$17,298	\$5.42
Gindai (flower snapper)	569	543	\$1,970	\$3.63
Golden Kalekale	1,155	1,155	\$4,035	\$3.49
Lehi (silverjaw)	673	673	\$2,180	\$3.24
Onaga (red snapper)	18,010	18,010	\$119,286	\$6.62
Opakapaka (pink snapper)	14,687	14,687	\$88,795	\$6.05
Uku (gray snapper)	5,779	5,779	\$17,797	\$3.08
Porgy	362	362	\$578	\$1.60
Other Reeffish	5	5	\$2	\$0.50
Reef jacks	2	2	\$6	\$3.00
Squirrelfish	2,488	2,488	\$8,065	\$3.24
Trumpetfish	8	8	\$9	\$1.09
Scorpionfish	462	462	\$2,272	\$4.91
Mountain bass	600	600	\$2,794	\$4.66
Bigeyes	592	592	\$1,917	\$3.24
Goatfish	6,302	5,754	\$13,643	\$2.37

Table D-13
December 2003 Reported Commercial Landings (Cont.)

Species	Caught	Sold	Value	Price/Lb.
Rudderfish	1,286	1,286	\$1,532	\$1.19
Damselfish	197	174	\$392	\$2.25
Hawkfish	12	12	\$29	\$2.45
Tilapia	100	100	\$200	\$2.00
Wrasse	559	411	\$1,777	\$4.32
Parrotfish	2,235	2,235	\$5,737	\$2.57
Surgeon/tangs	7,072	7,072	\$10,150	\$1.44
Flounders	16	16	\$31	\$2.00
Filefish	96	96	\$136	\$1.42
Other Pelagic	84,233	84,233	\$139,455	\$1.66
Rainbow runner	402	103	\$116	\$1.13
Mahimahi (dolphin)	98,975	98,975	\$226,219	\$2.29
Barracudas	1,162	1,162	\$1,540	\$1.33
Wahoo	71,549	71,549	\$145,745	\$2.04
Misc Tunas	10	0	\$0	\$0.00
Skipjack tuna	43,279	43,279	\$76,156	\$1.76
Yellowfin tuna	228,230	228,230	\$579,297	\$2.54
Albacore	21,319	21,319	\$37,828	\$1.77
Bigeye tuna	1,166,127	1,166,127	\$3,989,724	\$3.42
Kawakawa	742	223	\$447	\$2.00
Broadbill swordfish	12,899	12,899	\$33,092	\$2.57
Blue marlin	63,129	63,129	\$57,257	\$0.91
Black marlin	201	201	\$232	\$1.15
Striped marlin	278,213	278,213	\$155,789	\$0.56
Shortnose spearfish	68,014	68,014	\$14,949	\$0.22
Sailfish	360	360	\$148	\$0.41
Spiny Lobster	797	615	\$7,751	\$12.61
Crabs	1,457	1,258	\$5,004	\$3.98
Shrimp (saltwater)	361	0	\$0	\$0.00
Octopus	956	956	\$2,588	\$2.71
Limpets (saltwater)	1,133	1,133	\$5,304	\$4.68
Invertebrates	133	133	\$399	\$3.00
Algae	316	316	\$1,639	\$5.19
TOTAL	2,363,067	2,353,444	\$5,987,278	\$2.54

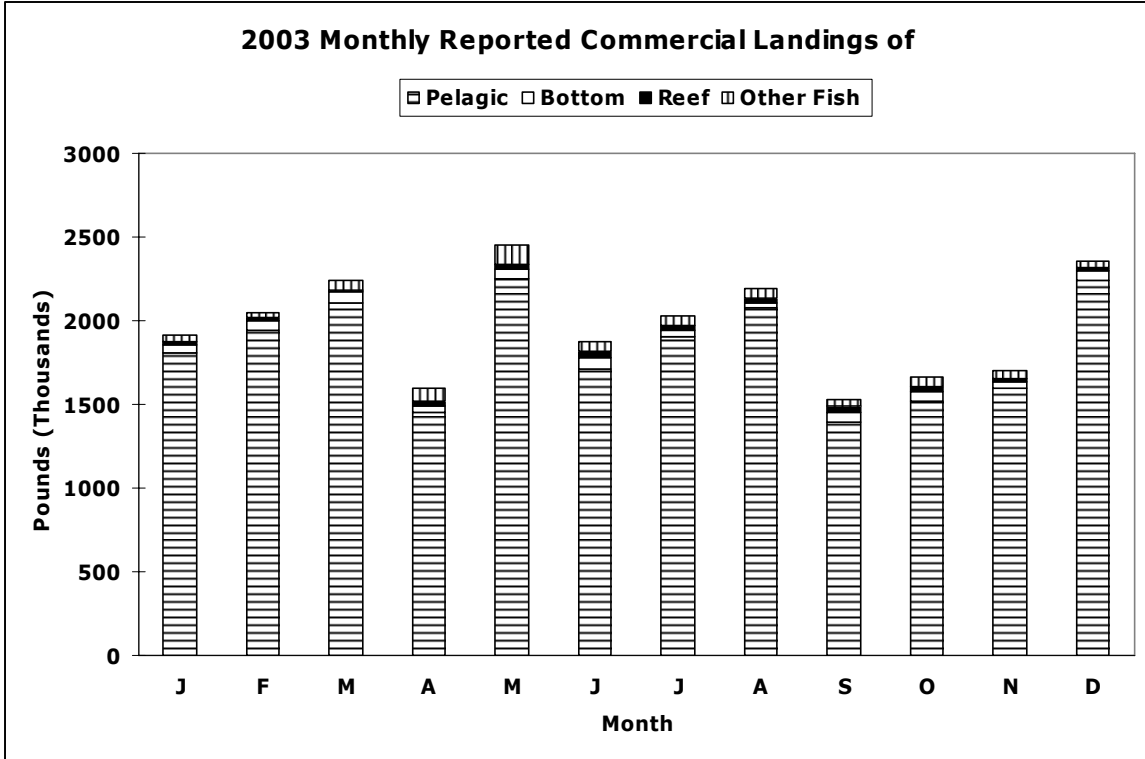


Figure D-1-1

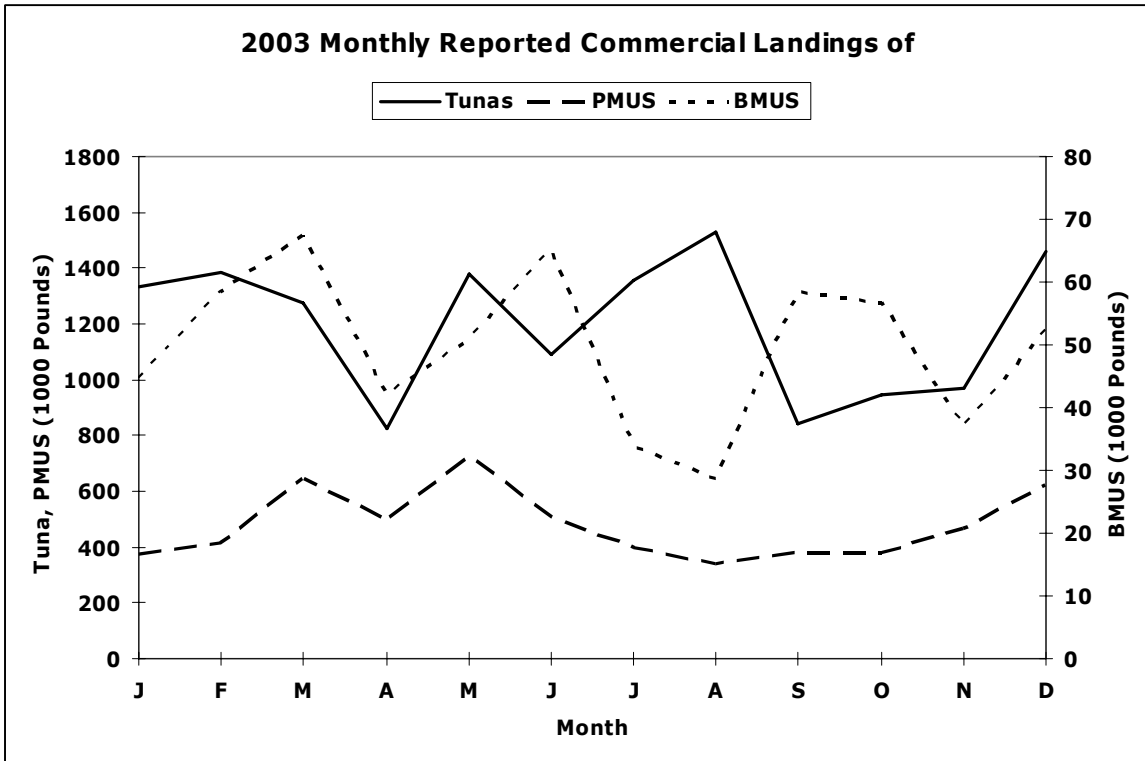


Figure D-1-2

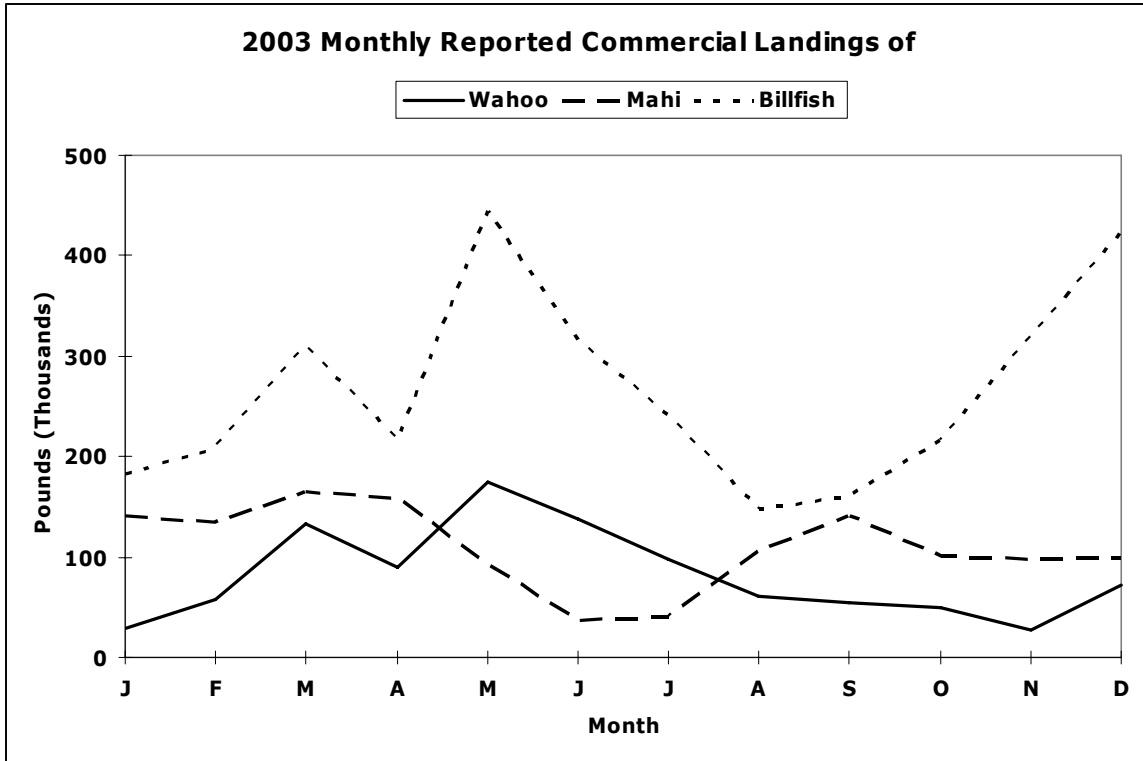


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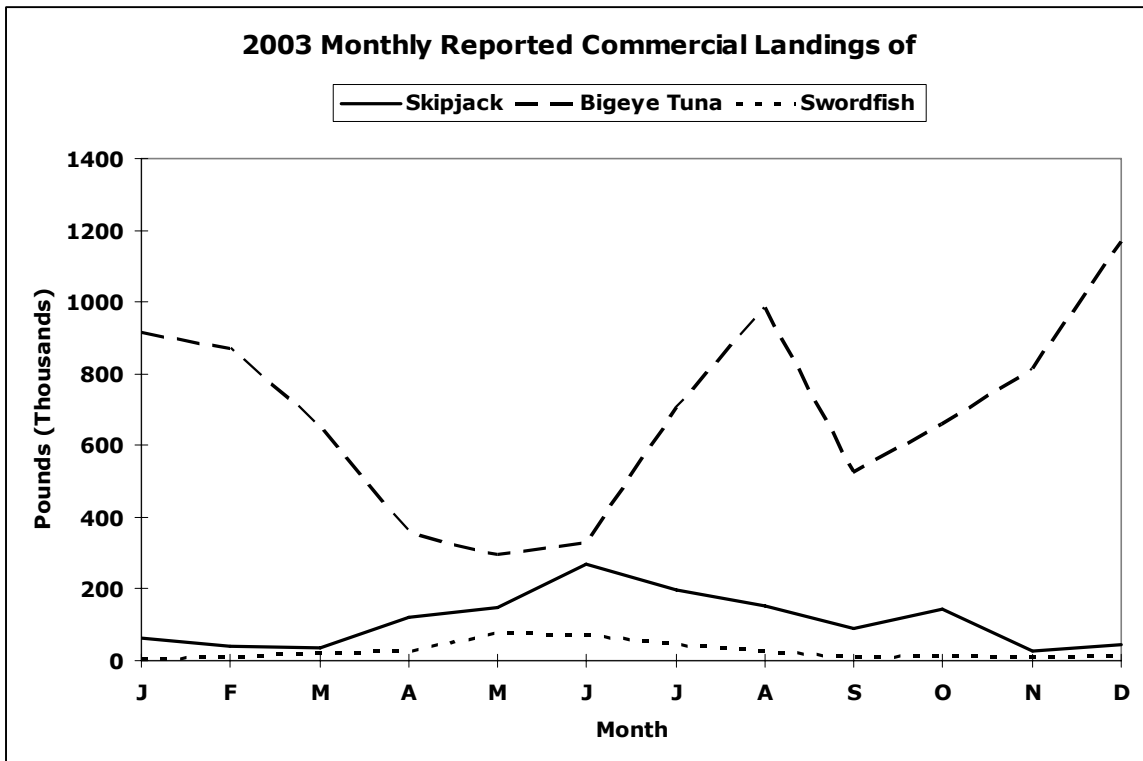


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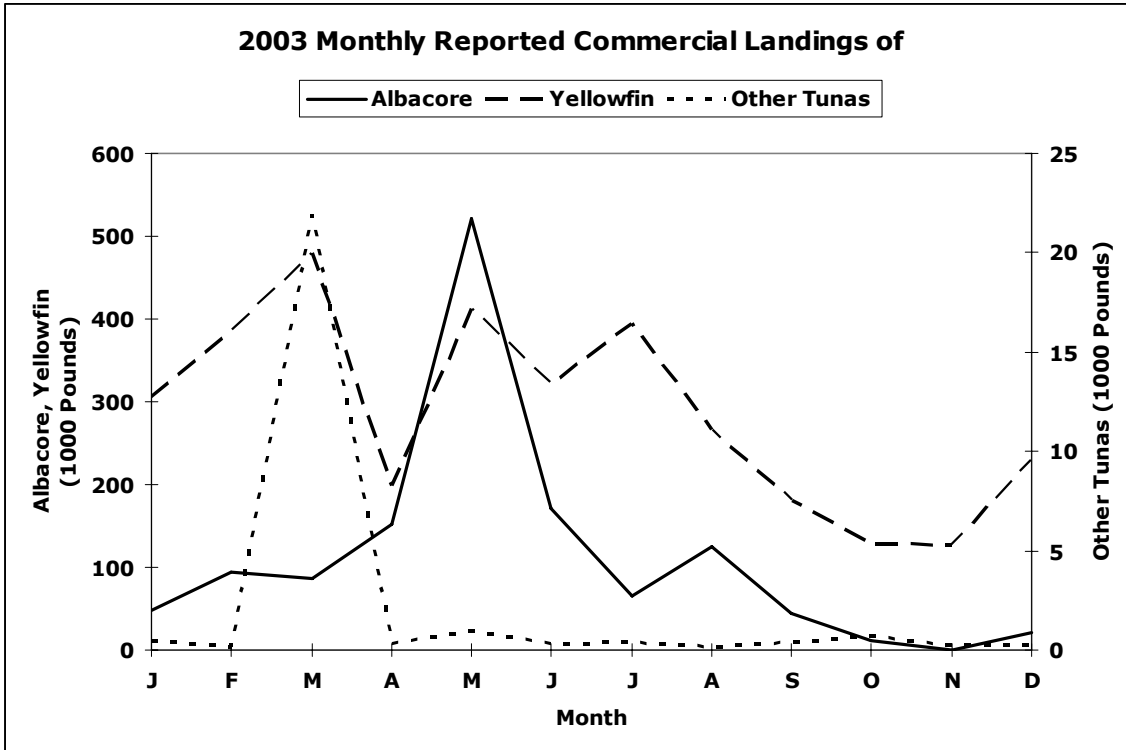


Figure D-1-5

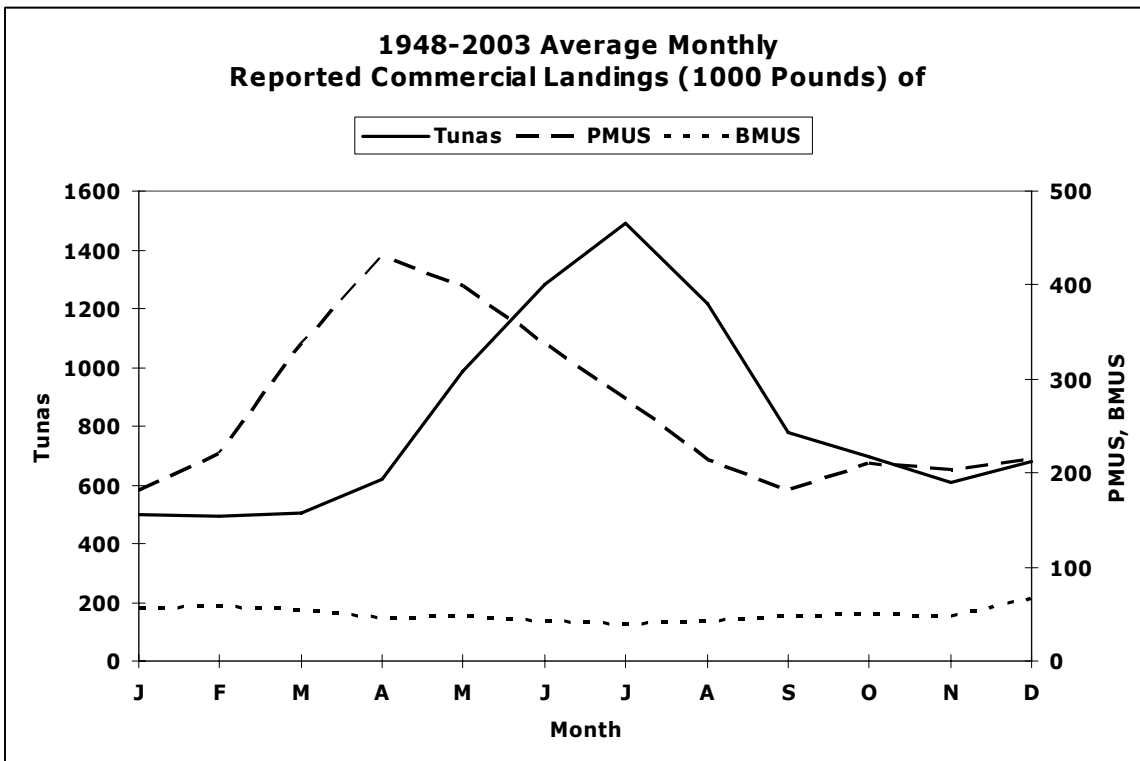


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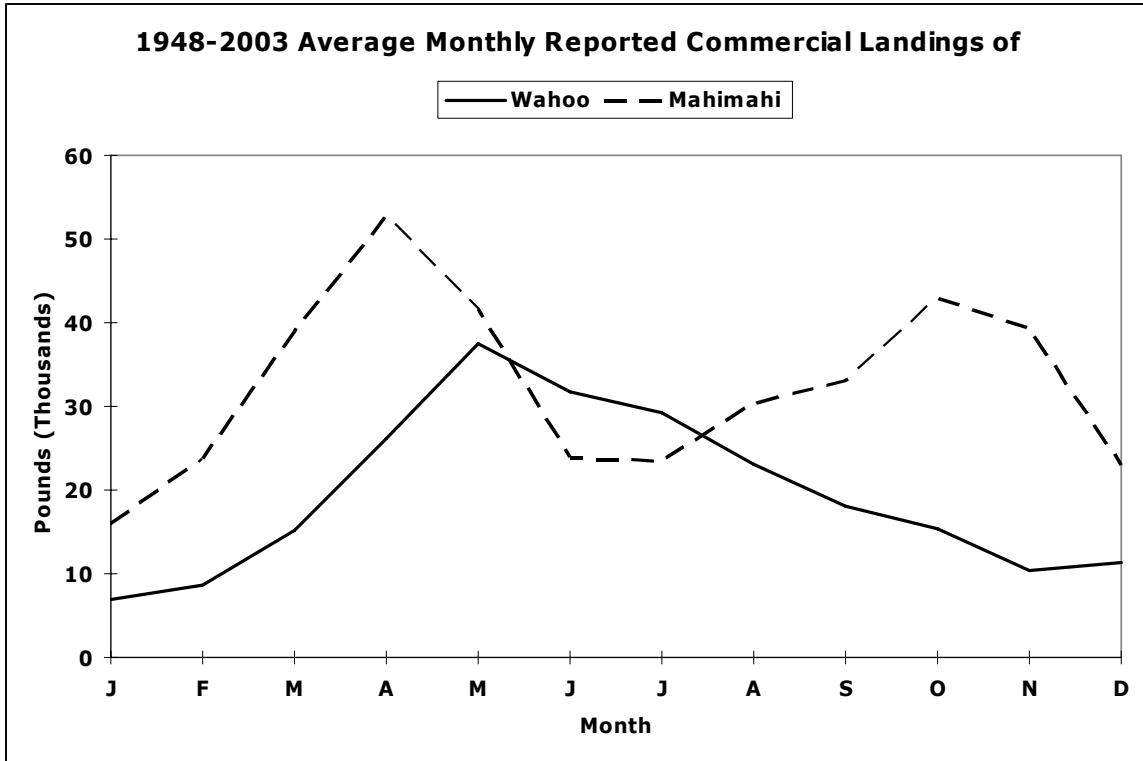


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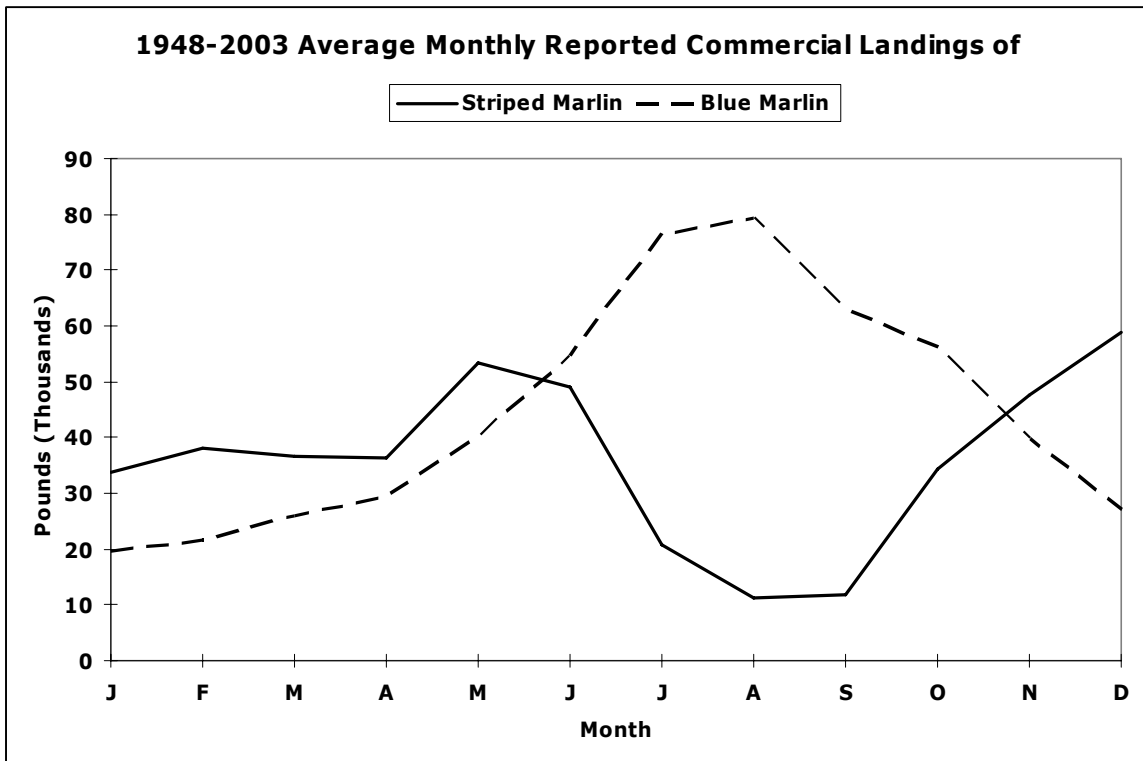


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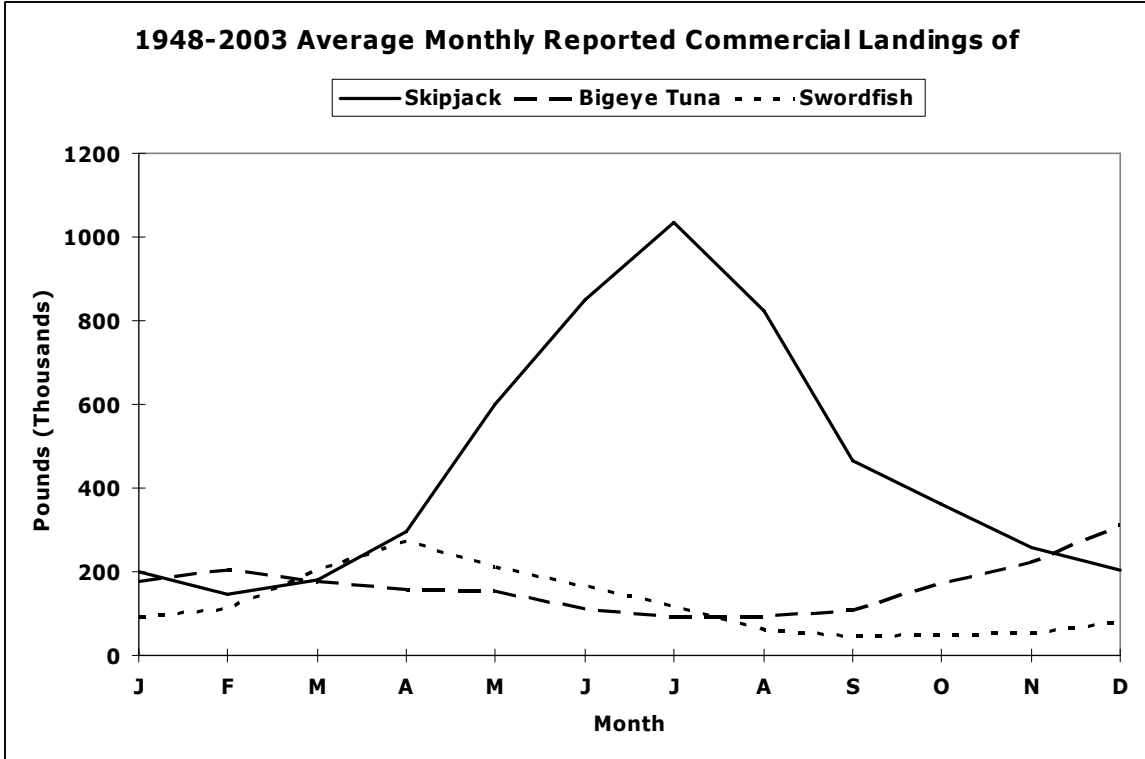


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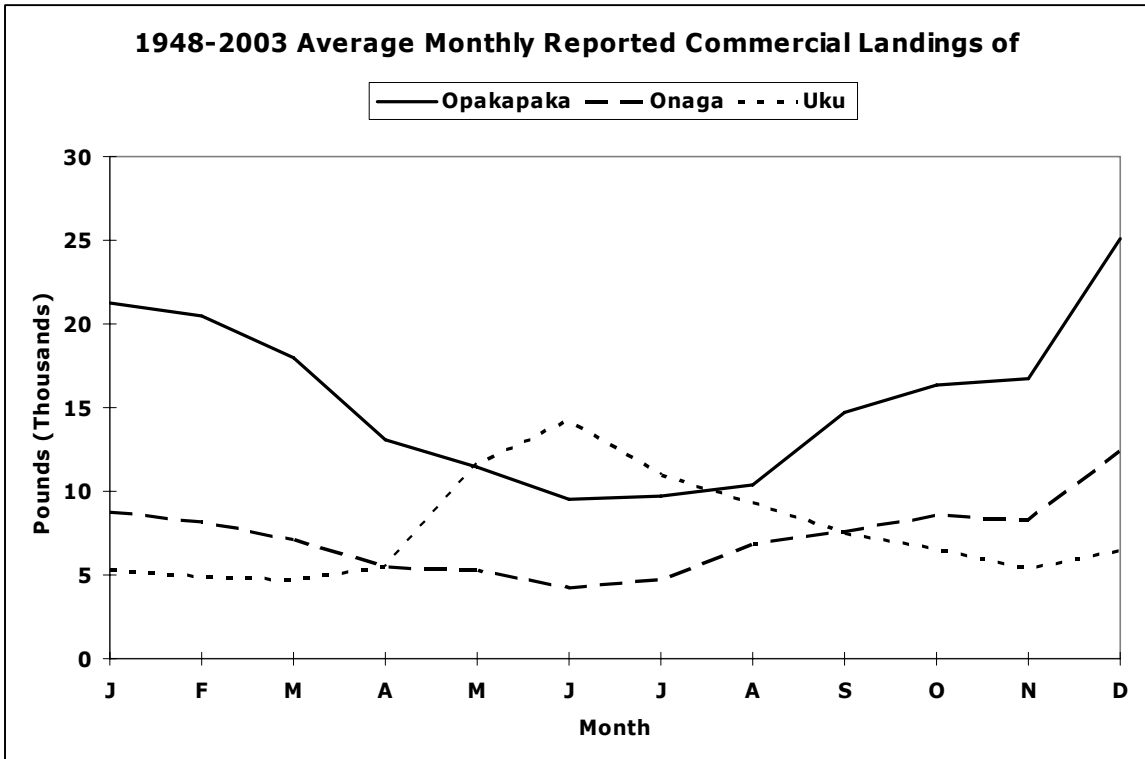


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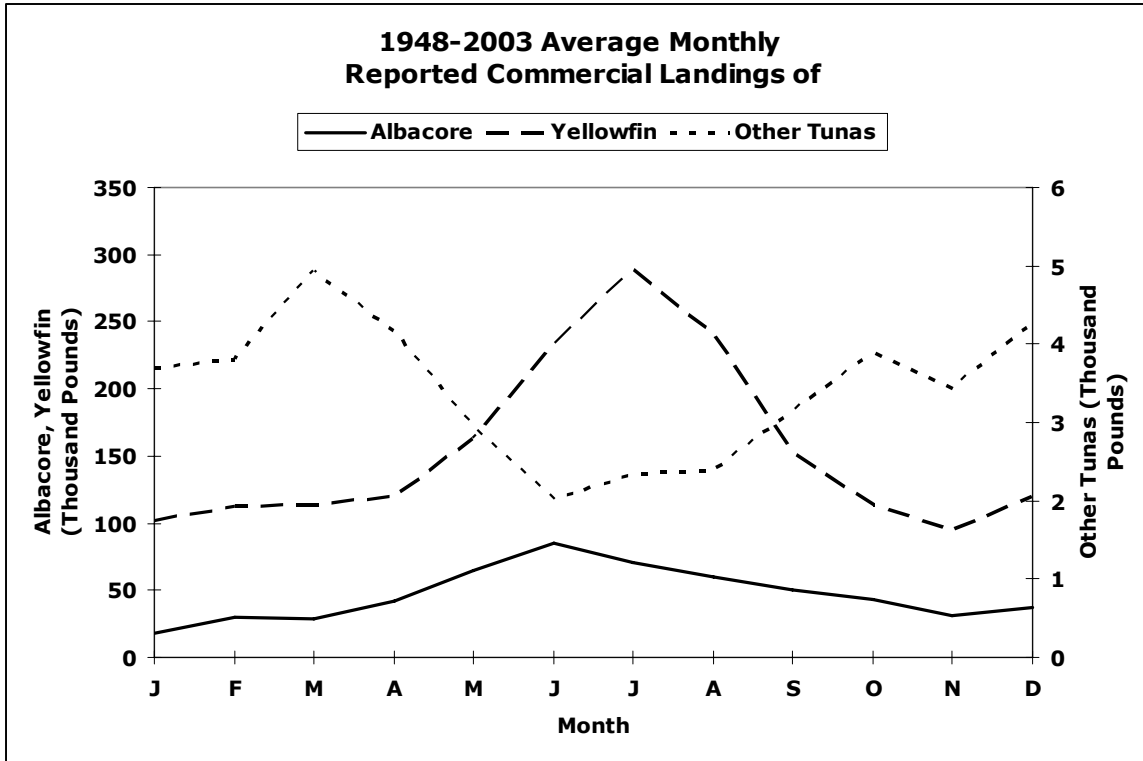


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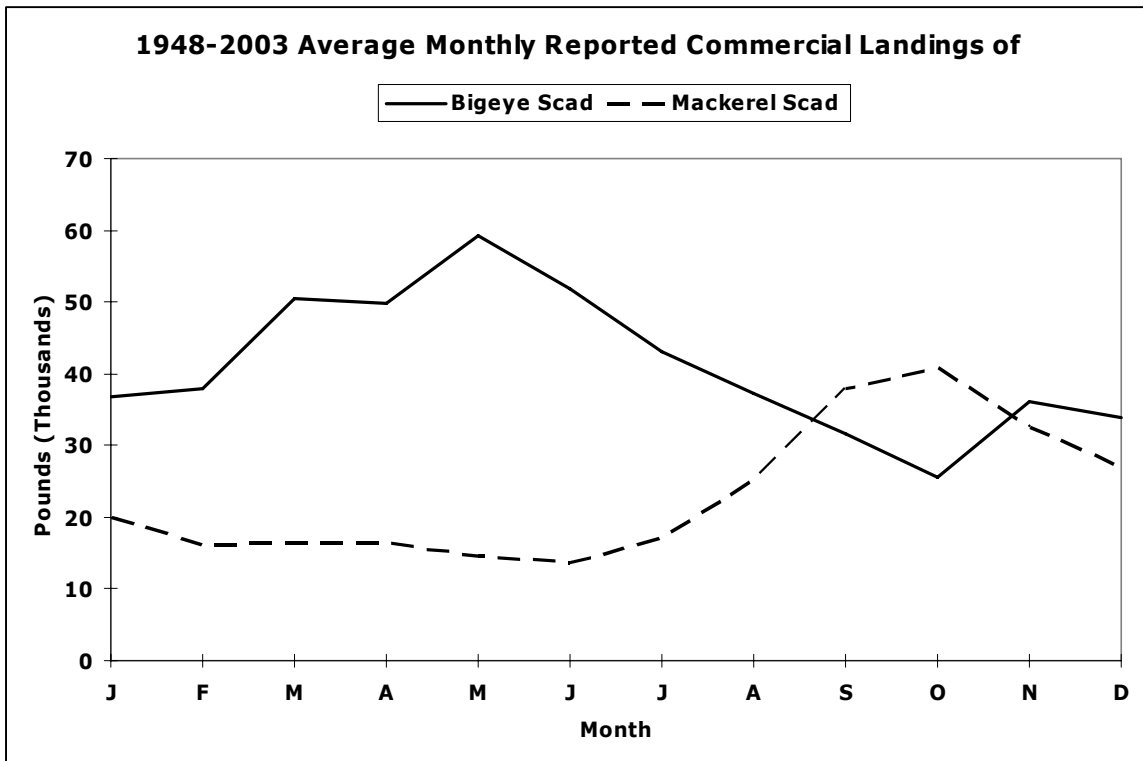


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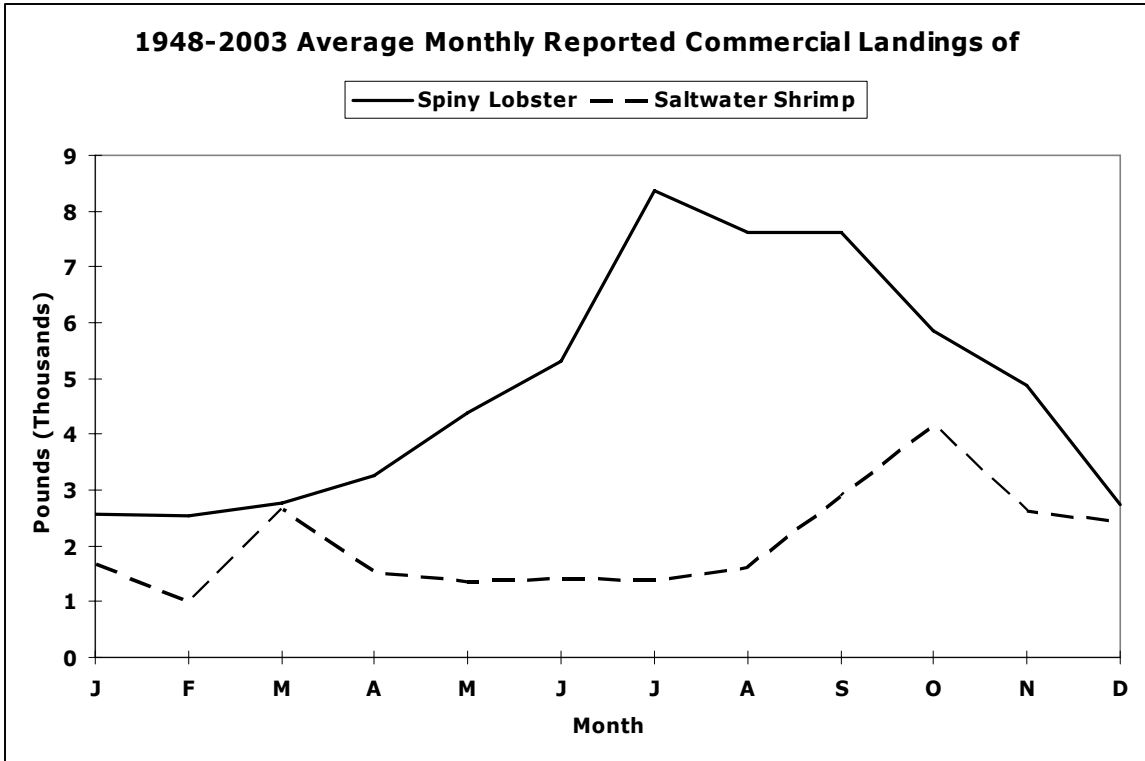


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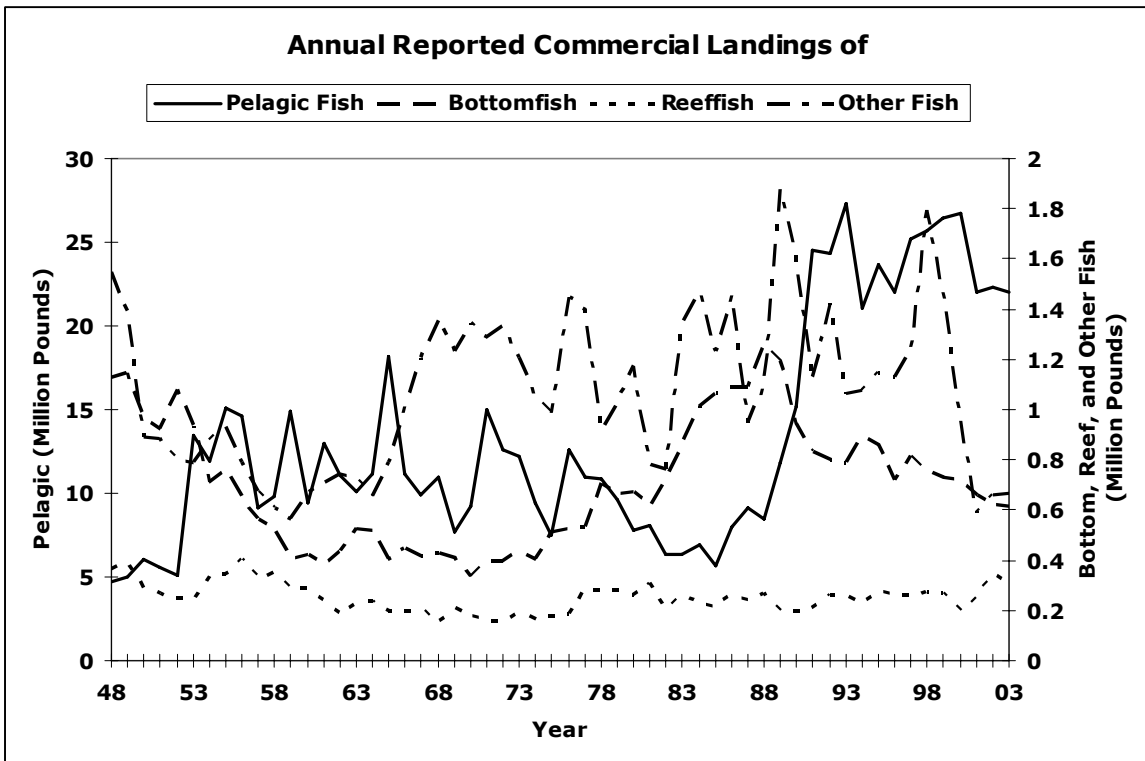


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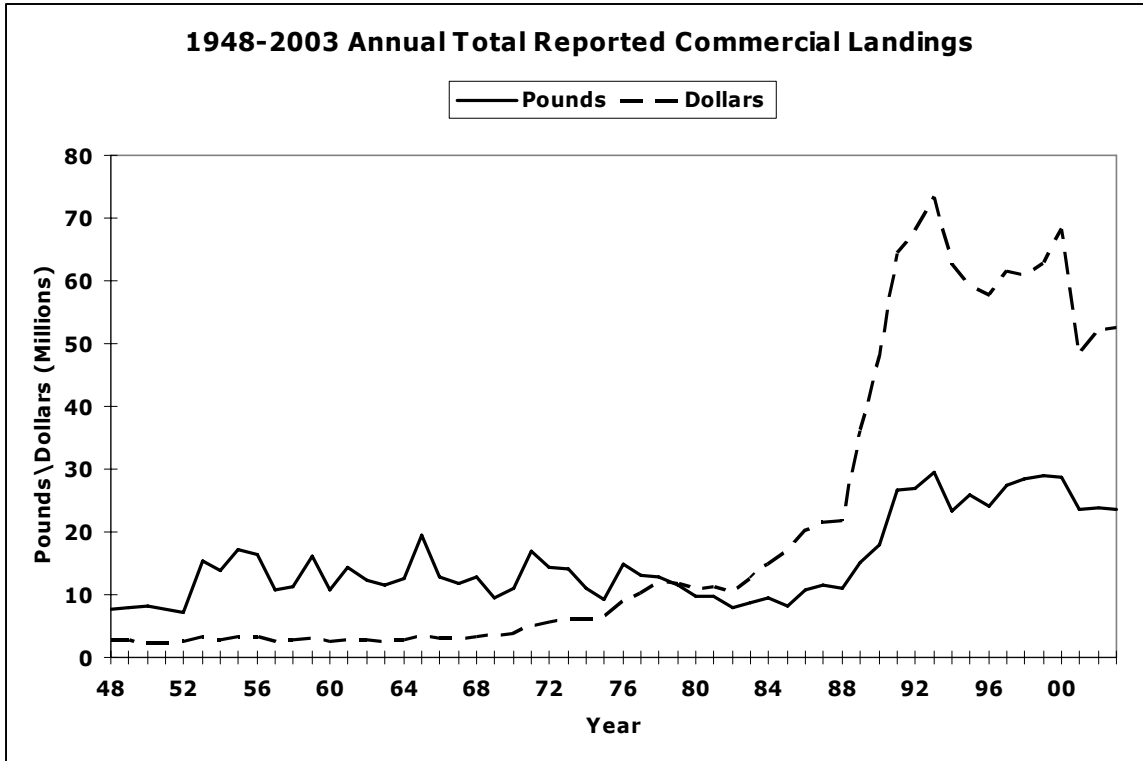


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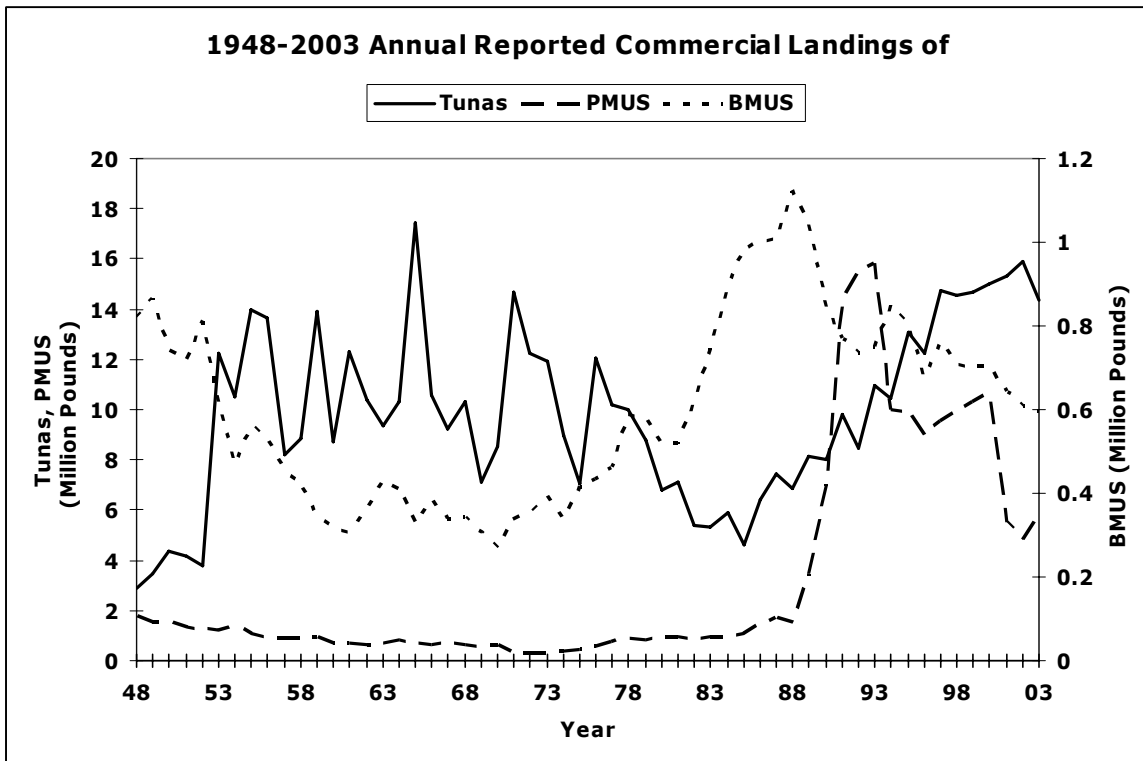


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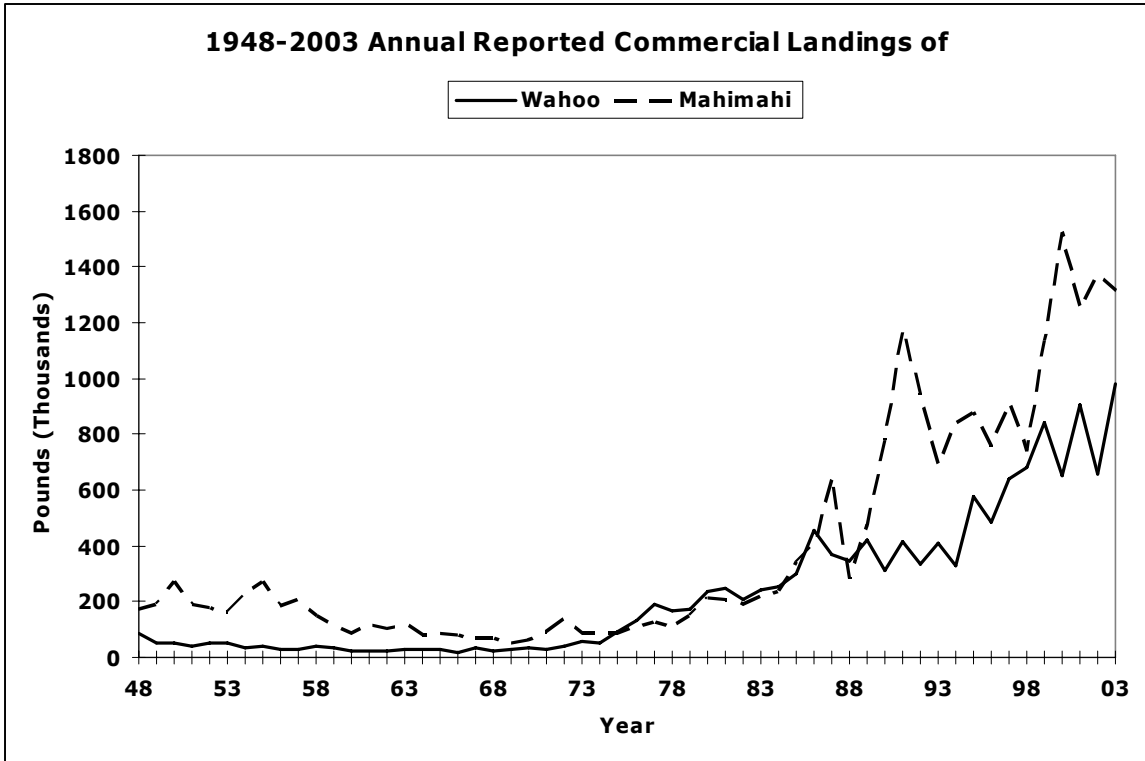


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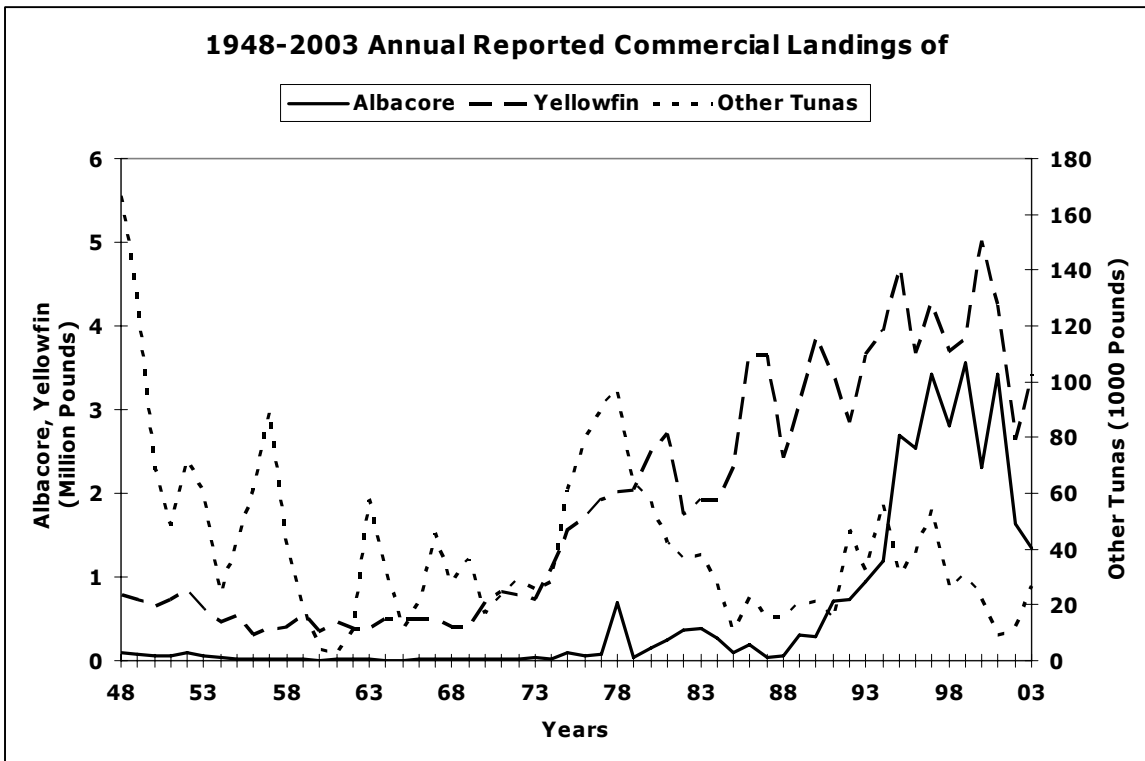


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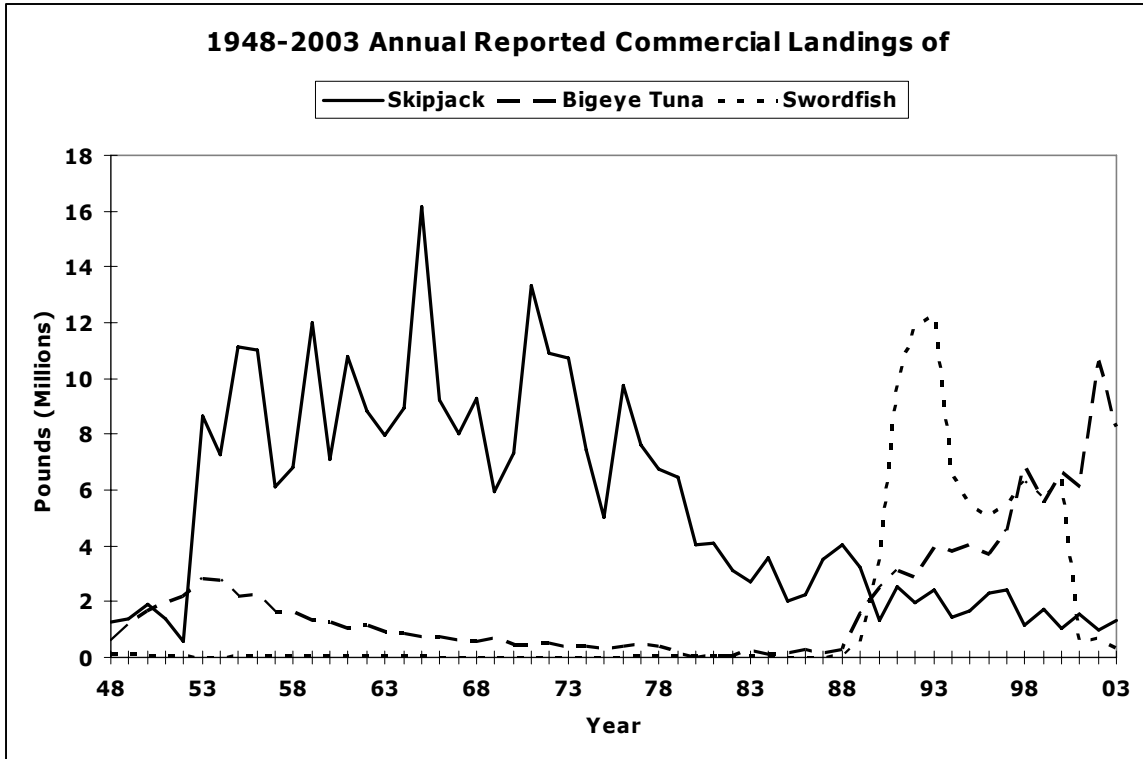


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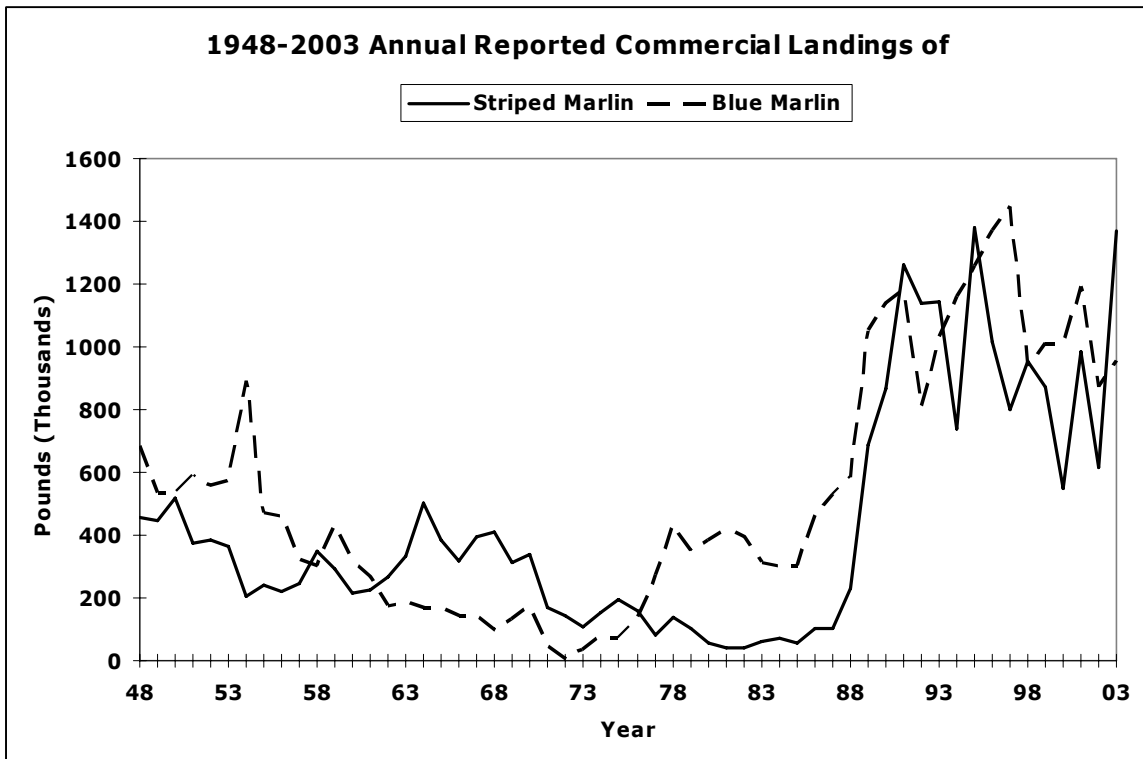


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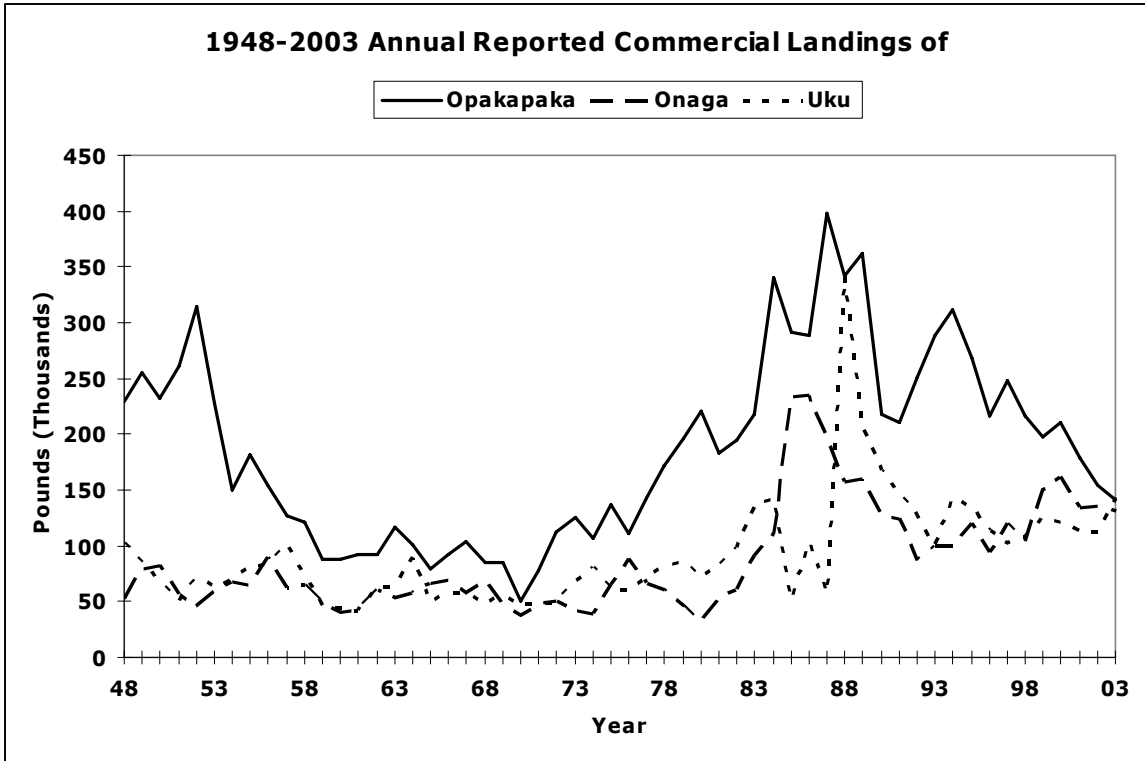


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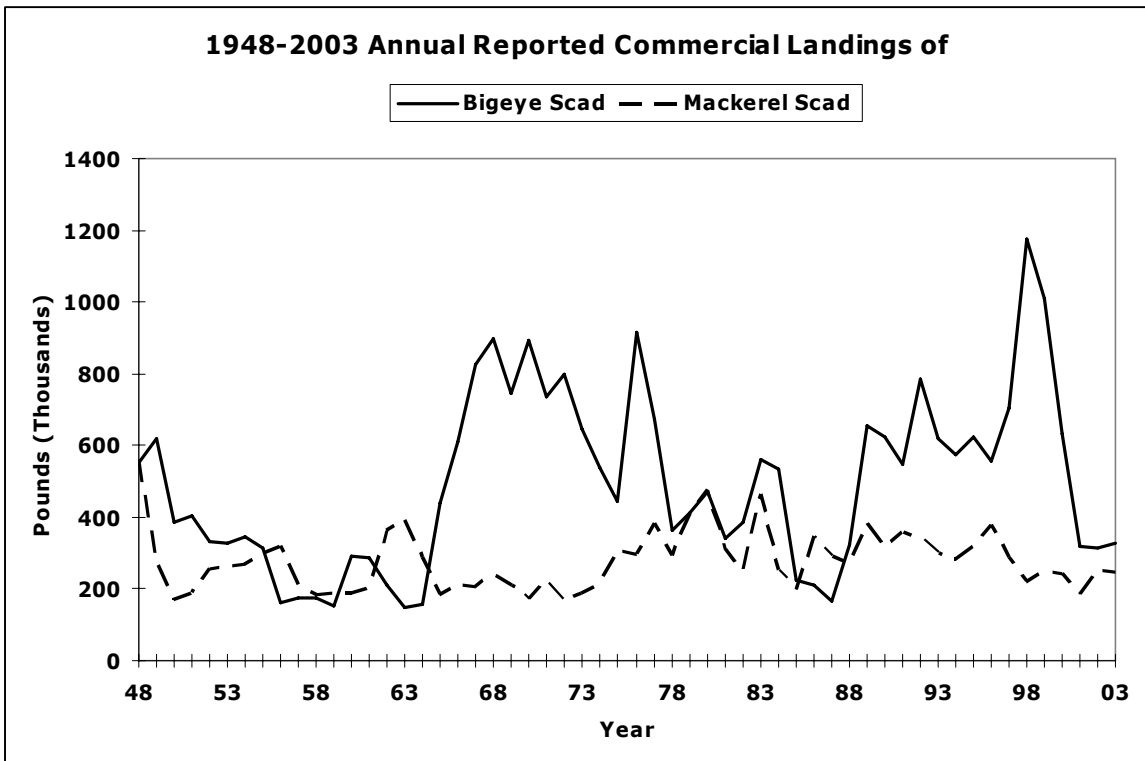


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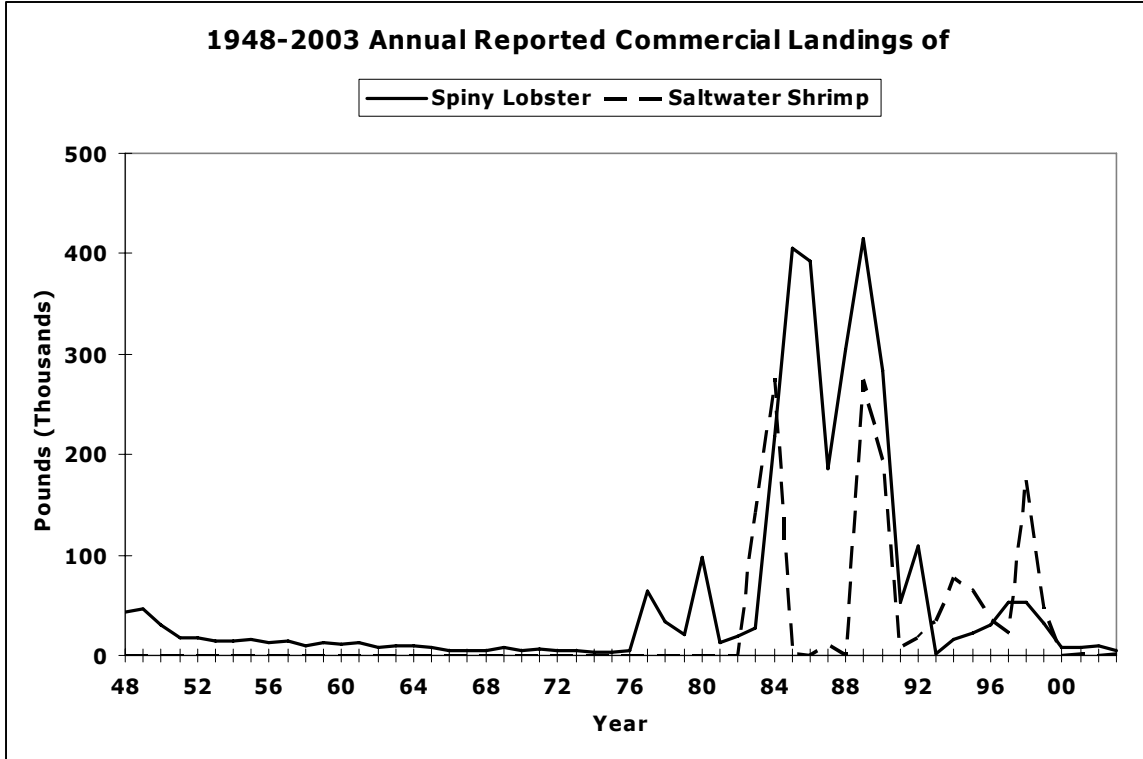


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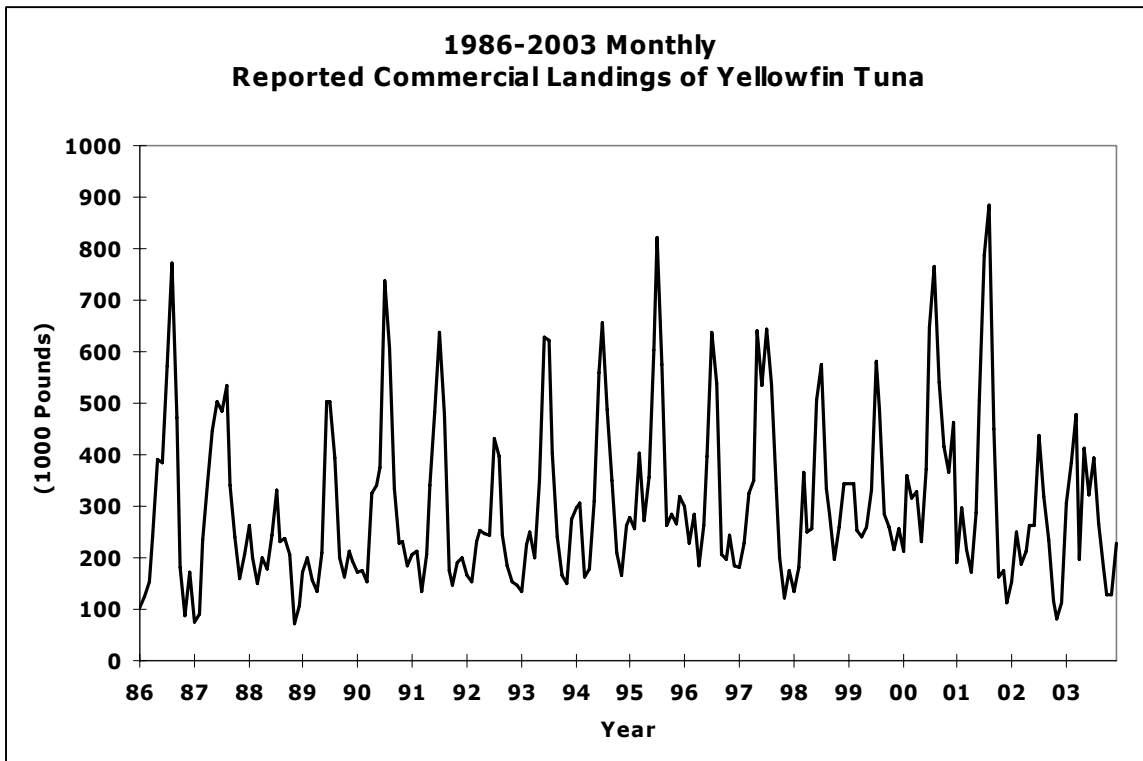


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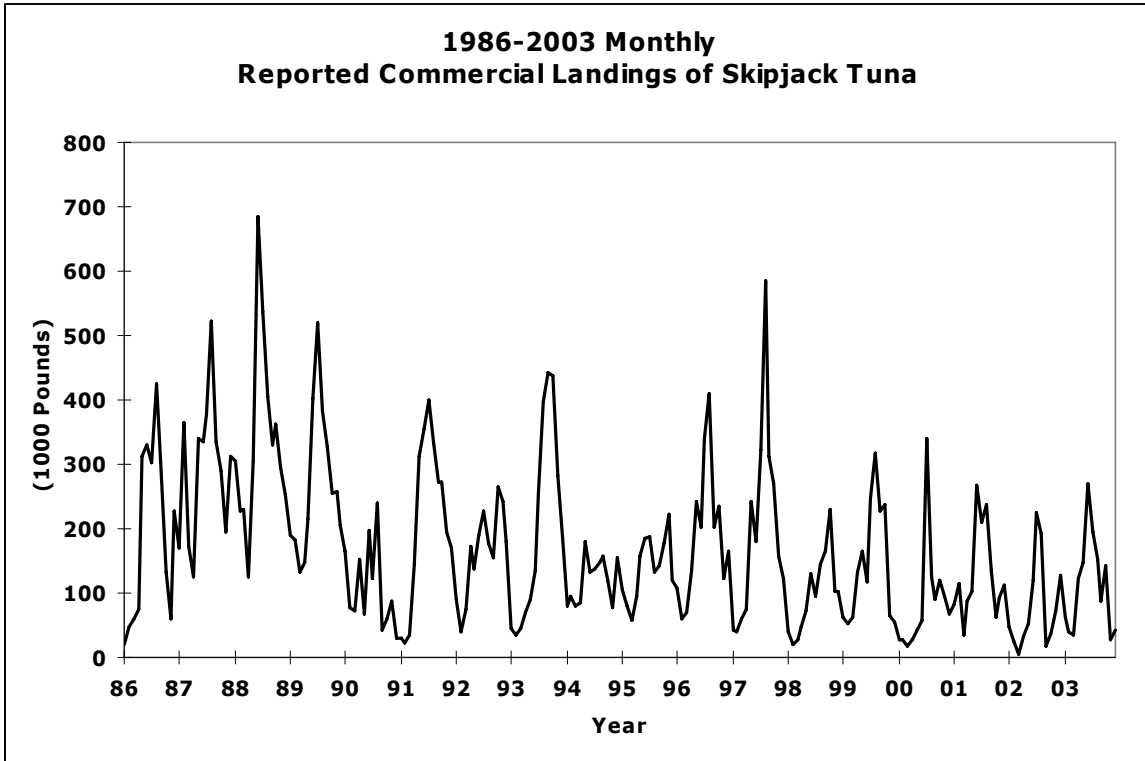


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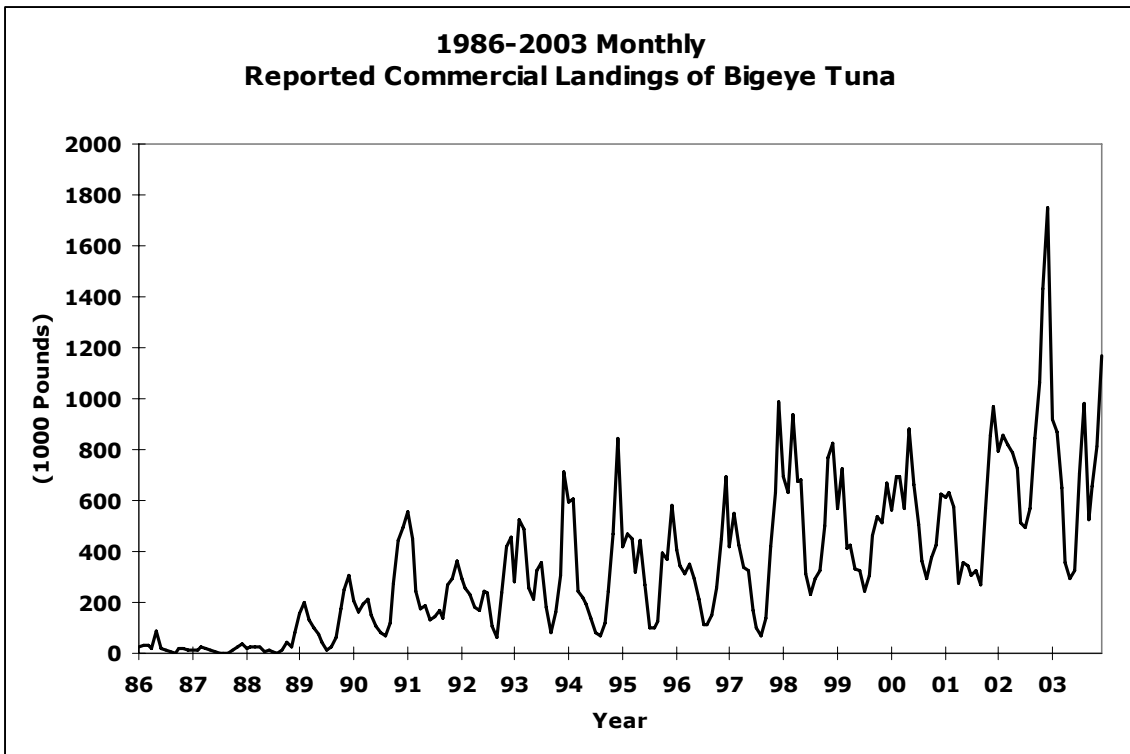


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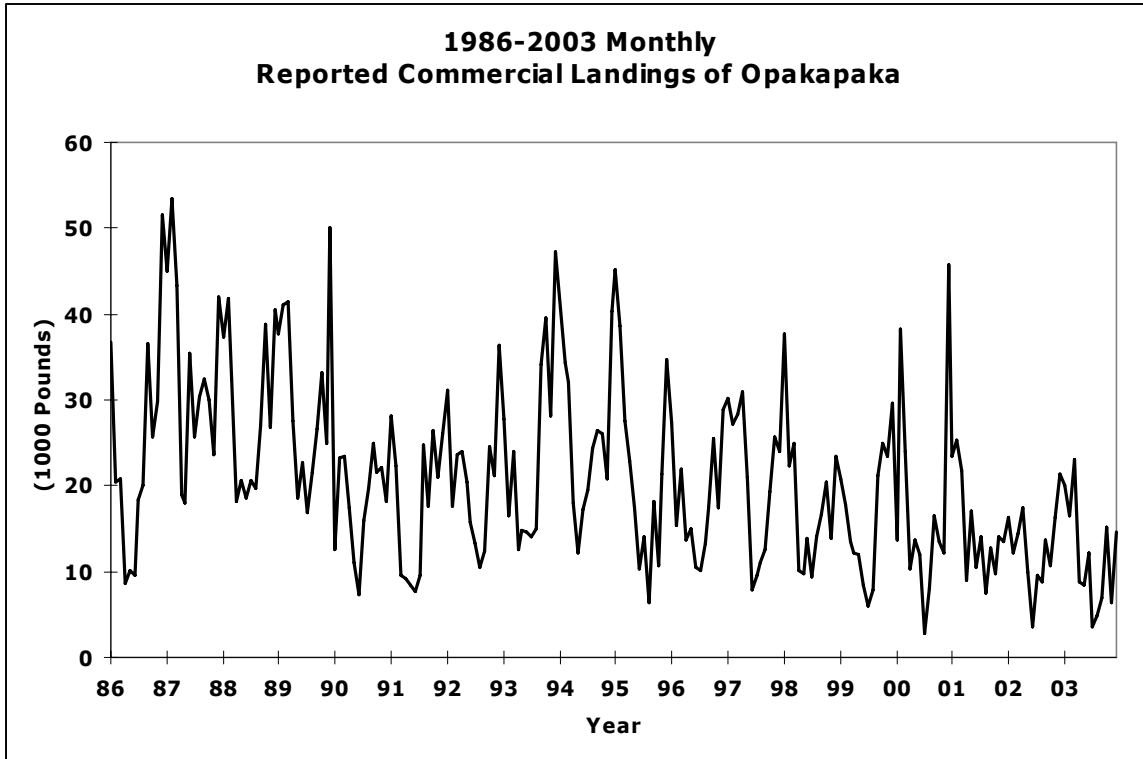


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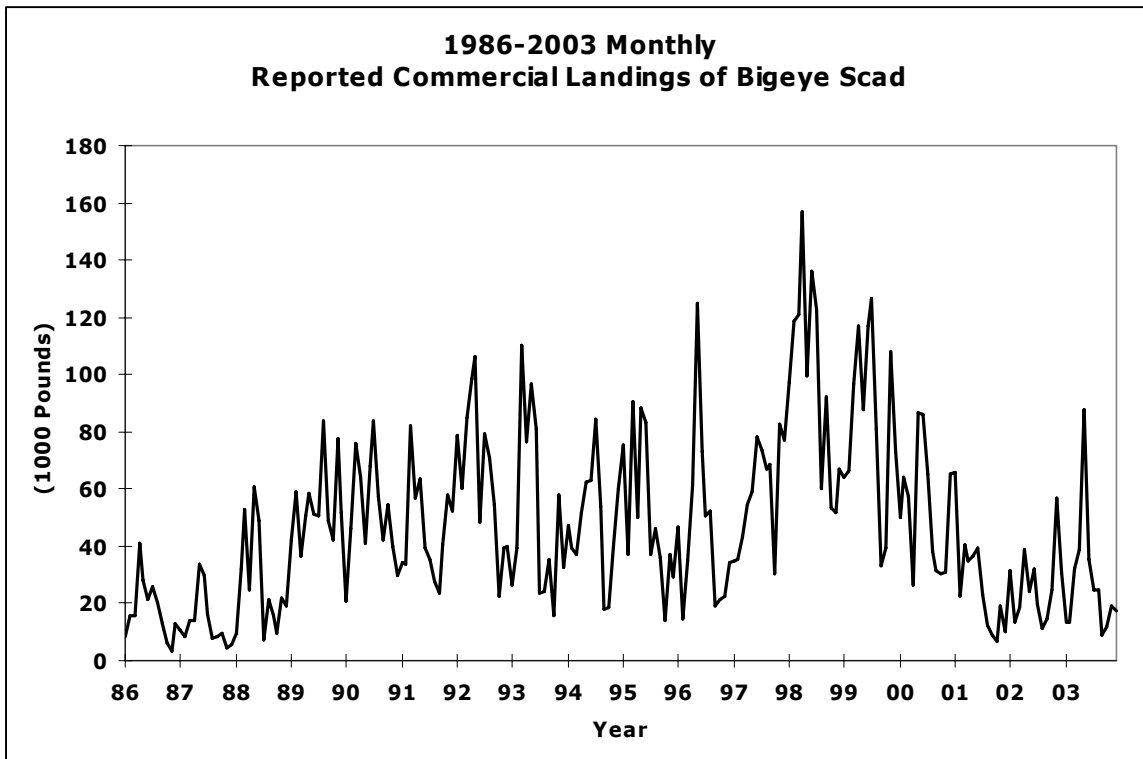


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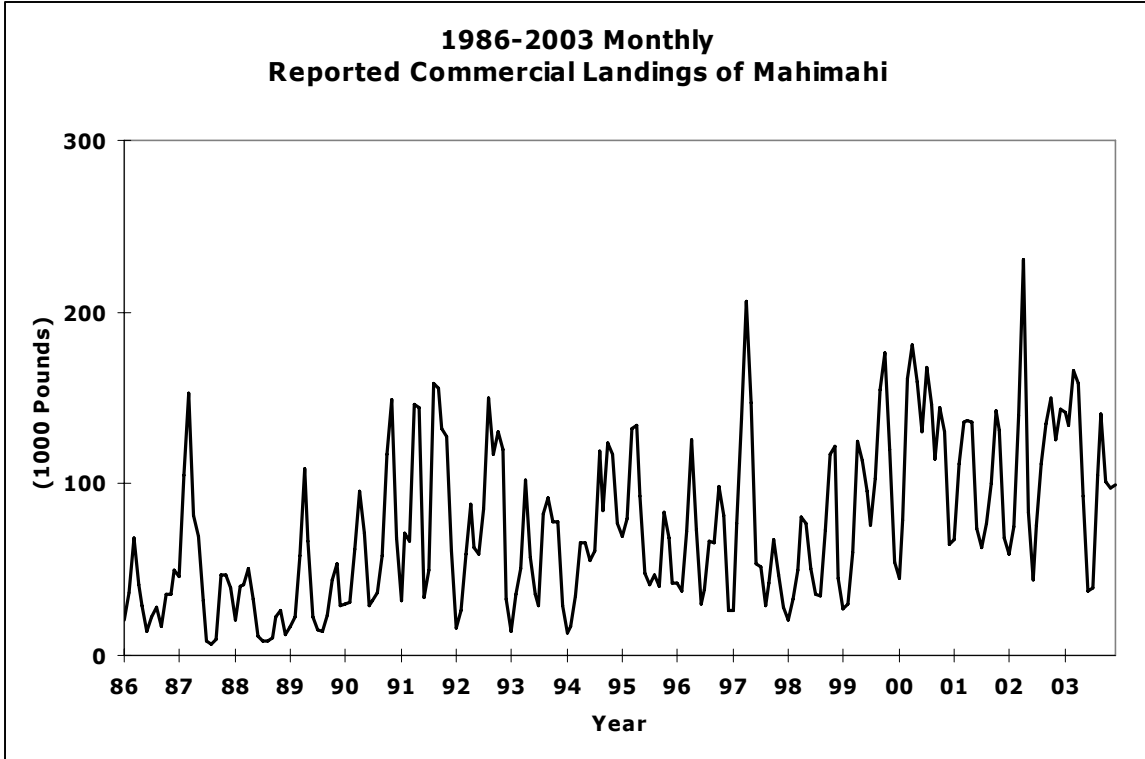


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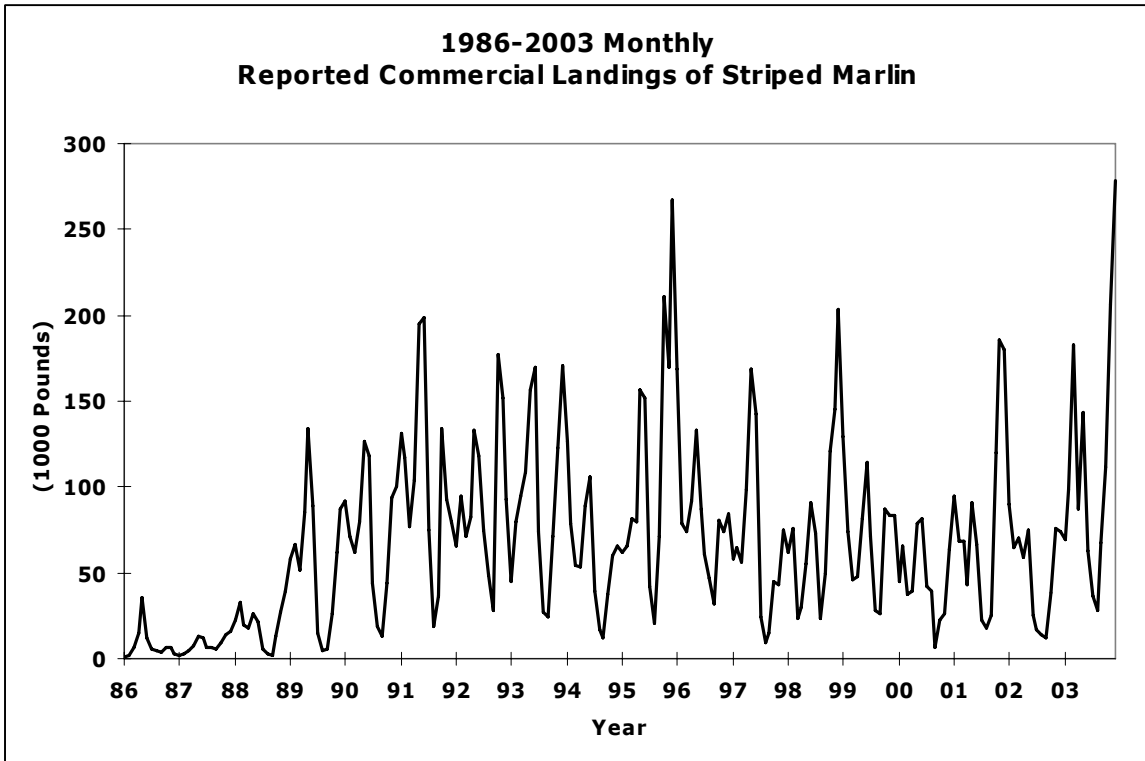


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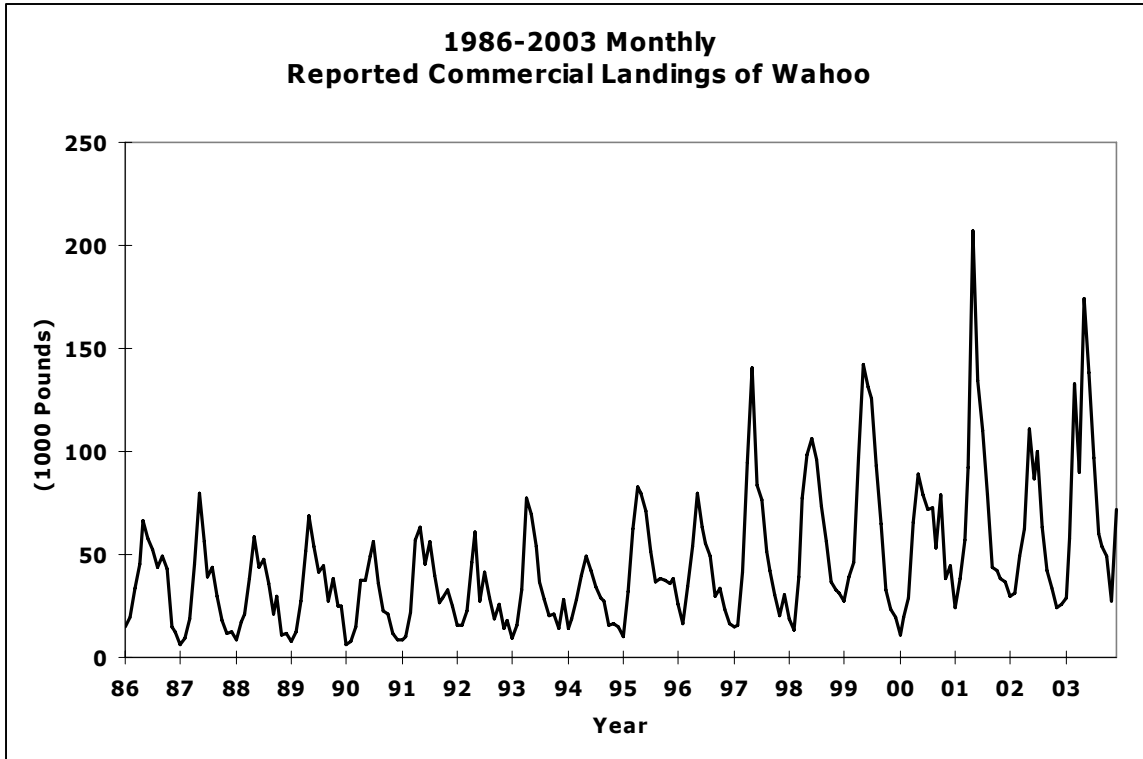


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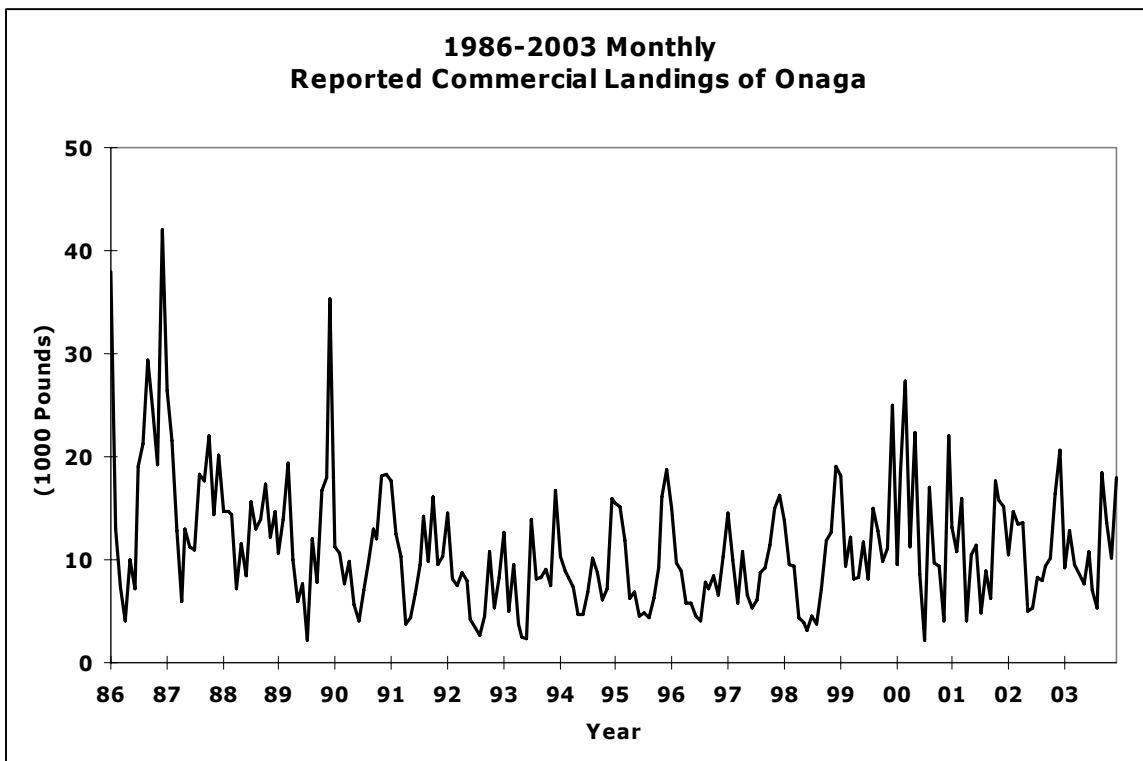


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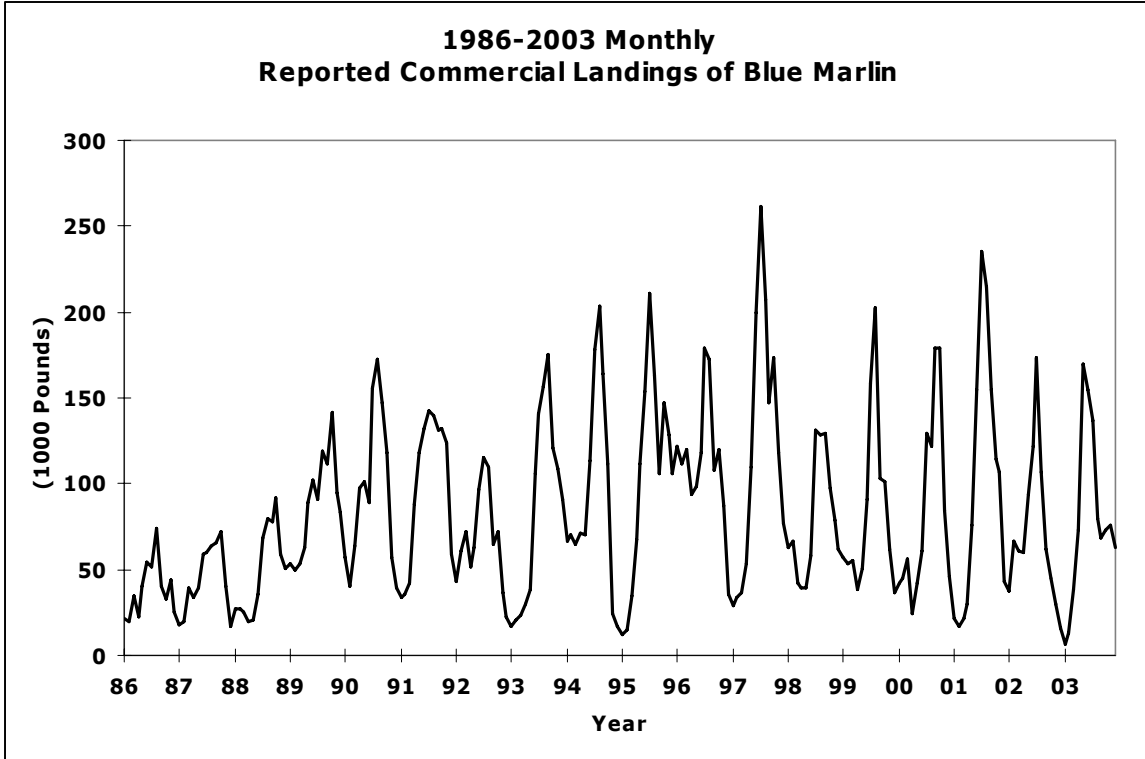


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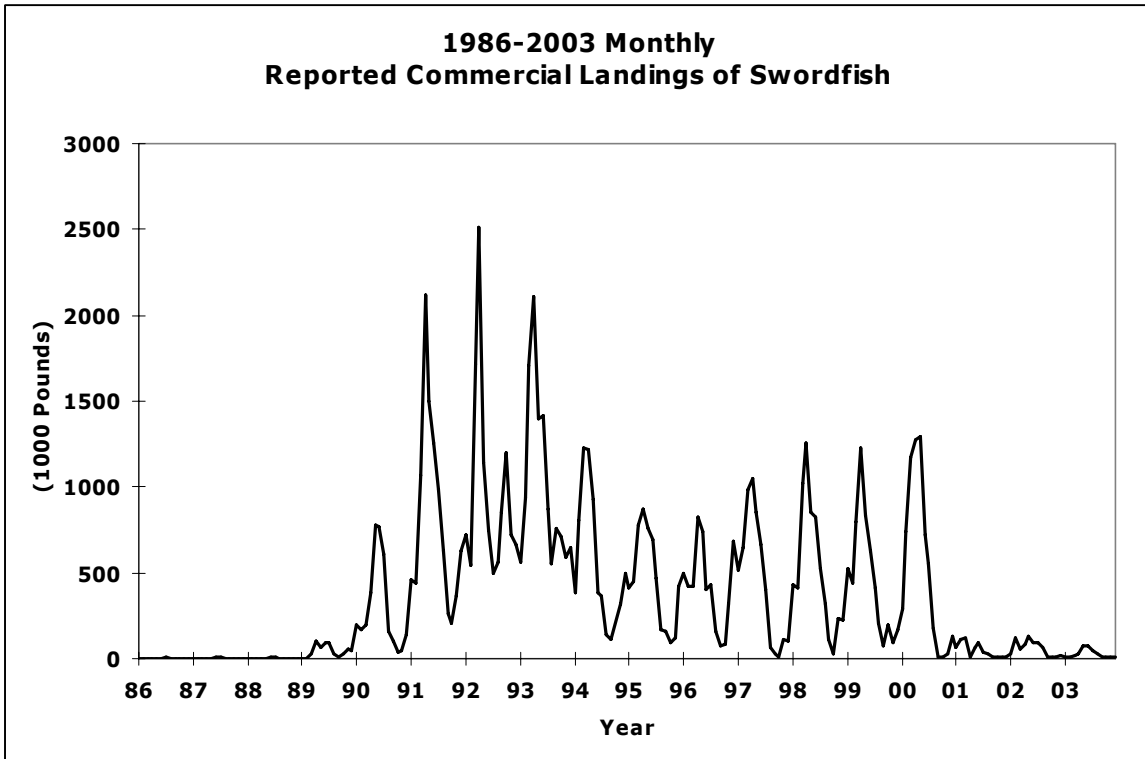


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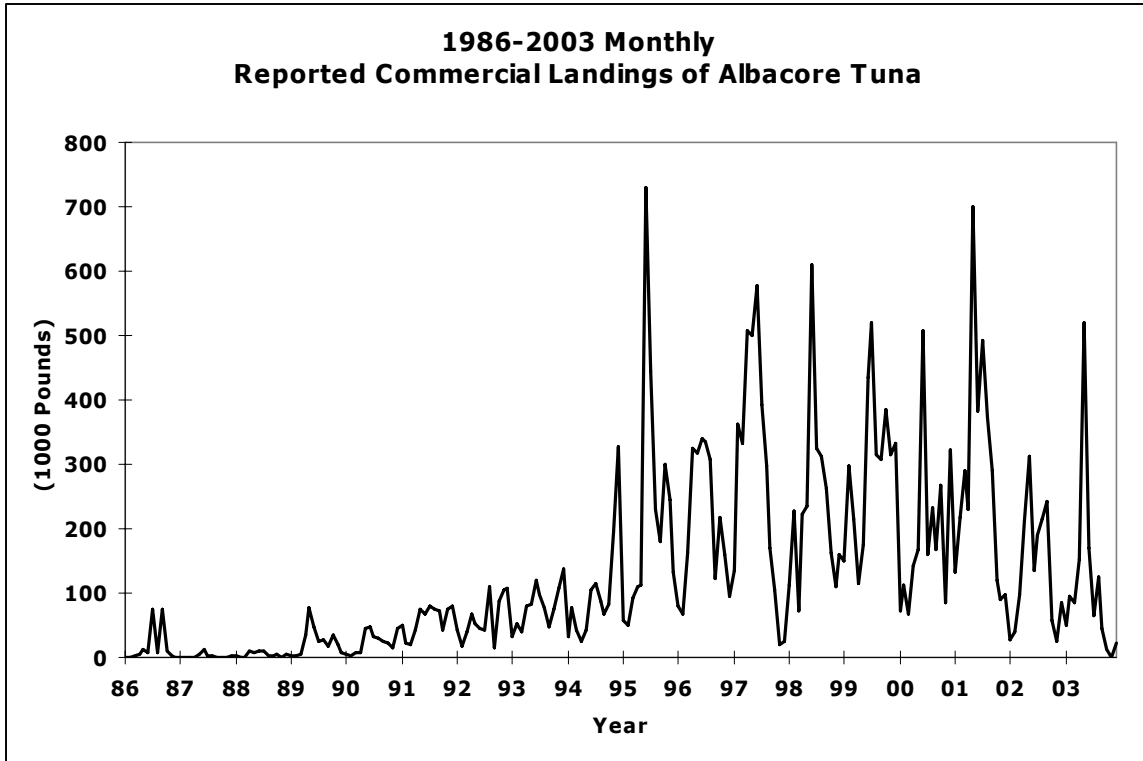


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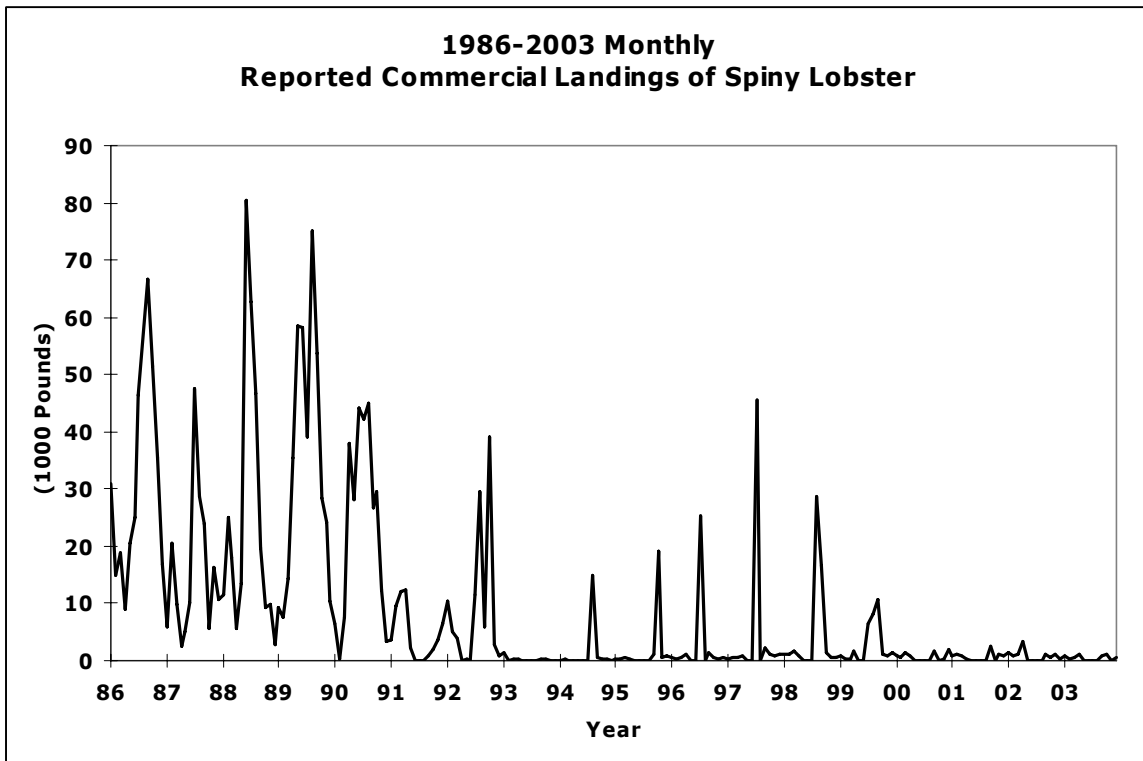


Figure D-4-13

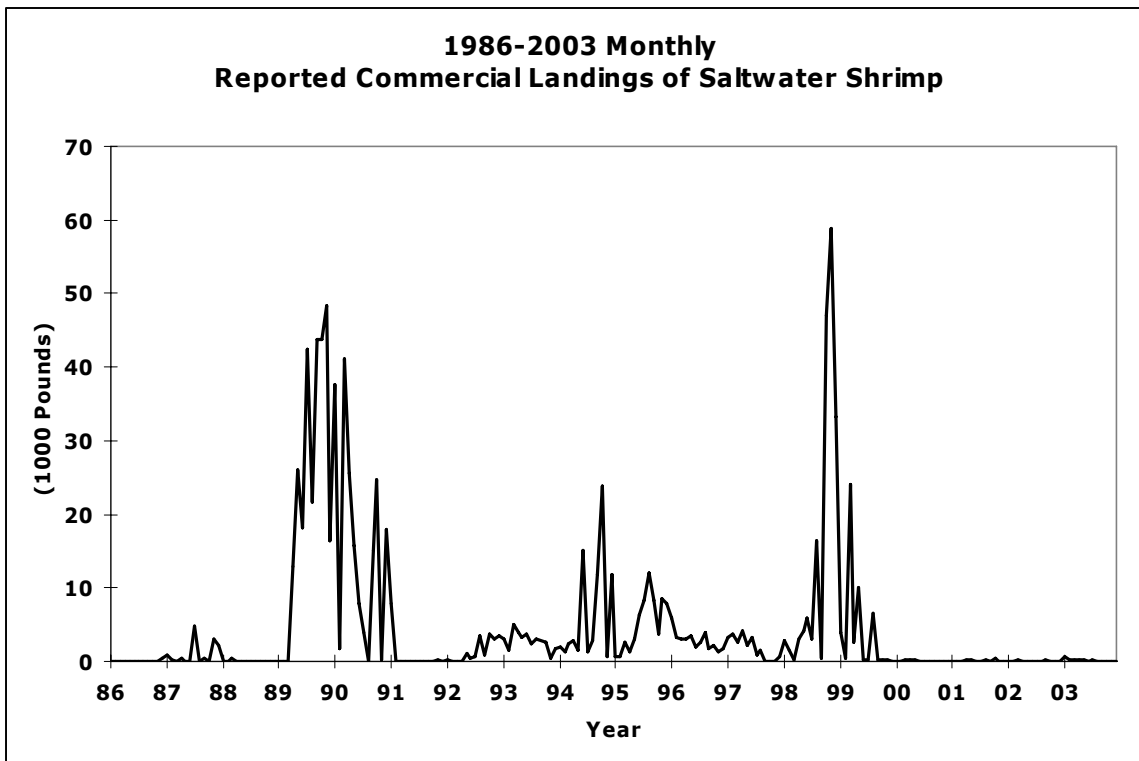


Figure D-4-14