

**COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS
2005 FISHERY STATISTICS**

Compiled by
Division of Fish and Wildlife
and the
Western Pacific Fishery Information Network

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COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS 2005 FISHERY STATISTICS

INTRODUCTION

Location: 14° to 21°N latitude, 145°E longitude

Main Islands: Saipan, Rota, Tinian

Population: about 84,500; (*The World Factbook*, 2007)

Economy: tourism, agriculture, garment production

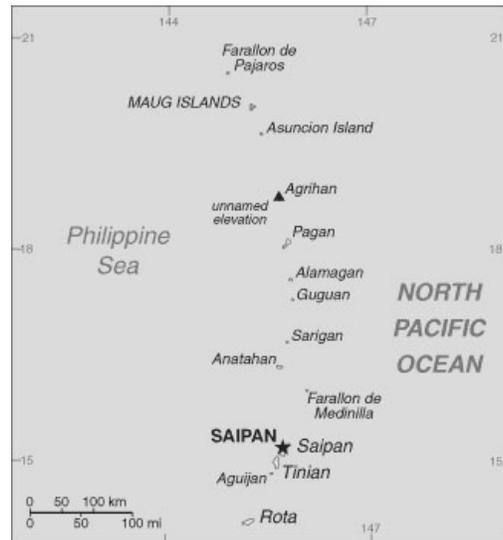
The chief domestic commercial fishery of the Commonwealth of the Northern Mariana Islands (CNMI) is a small boat, 1-day troll fishery, and most of the boats are 12- to 24-foot outboard-powered, runabout-type vessels. However, a few larger boats are used mainly for bottomfish fishing around the islands north of Saipan, and a small charter fleet also exists.

Trolling is the most common fishing method, but bottomfishing and reef fishing are also popular. Reef fish make up a significant portion of the total commercial catch and are an important component of the local diet. In recent years, several larger boats started fishing more intensively for bottomfish around the islands north of Saipan. While the vast majority of the domestic catch is consumed locally, there have been some intermittent exports to Guam, Hawaii, and Japan.

In 1982 WPacFIN significantly improved data collecting and processing systems by providing computer hardware, software, and training. Since then numerous system upgrades and replacements have been implemented to keep up with changing technologies and the increasing demands for improved fisheries statistics.

DATA COLLECTING SYSTEM

The Division of Fish and Wildlife (DFW) has been collecting fishery statistics on the commercial fishing fleet of Saipan since the mid-1970s. With the assistance of the NMFS WPacFIN program, DFW also expanded its fisheries monitoring programs to include Rota and Tinian, the other two major inhabited islands in the CNMI.



CNMI

Source: <https://www.cia.gov/library/publications/the-world-factbook/maps/cq-map.gif>;
The World Factbook

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DFW's principal method of collecting domestic commercial fisheries data is a dealer invoicing system, sometimes referred to as a "trip ticket" system. The DFW provides numbered two-part invoices to all purchasers of fresh fishery products (including hotels, restaurants, stores, fish markets, and roadside vendors). Dealers then complete an invoice each time they purchase fish directly from fishers; one copy goes to DFW and one copy goes to their records.

Some advantages of this data collection method are that it is relatively inexpensive to implement and maintain and is fairly easy to completely cover the commercial fisheries. DFW can also provide feedback to dealers and fishers to ensure data accuracy and continued cooperation.

There are some disadvantages: (1) dependency on non-DFW personnel to identify the catch and record the data; (2) restrictions on the types of data that can be collected; (3) required education and cooperation of all fish purchasers; and (4) limited recordings of fish actually sold to dealers. Therefore, a potentially important portion of the total landings is unrecorded.

Since 1982, DFW has tried to minimize these disadvantages in several ways: (1) maintain a close working relationship with dealers; (2) add new dealers to their list and educate them; and (3) implement a creel survey to help estimate total catch, including recreational and subsistence catch.

The current system collects data from dealers in Saipan, where DFW estimates more than 90% of all CNMI commercial landings are made. The DFW also estimates that the proportion of total commercial landings that have been recorded in the Saipan database since 1983 is about 90%. Previous volumes of FSWP reported only recorded landings, but in recent volumes the data have been adjusted to represent 100% coverage and are referenced as "Estimated Commercial Landings" in the tables and charts.

Information collected from the fishers includes the following:

- Date
- Buyer's Name (dealer)
- Seller's Name (fisherman)
- Species
- Weight (pounds)
- Price per Pound
- Value
- Invoice Number

These data elements are collected for all purchases of fishery products; however, species identification is frequently made only to a group level, especially for reef fish.

DATA PROCESSING SYSTEM

At the beginning of each month, a DFW employee visits each of the dealers on Saipan to collect the previous month's invoices, to resolve problems, and to answer any questions the

dealers may have. The invoices are then returned to the office for an initial visual edit during the coding process and entered into the Commercial Purchase System database. After the records are entered, reports are generated to help verify that all data were entered correctly. On a quarterly basis, copies of the database are sent to the Pacific Islands Fisheries Science Center, where the data are transferred to the central computer for additional verification before generating summary reports. These reports and databases are then ready for use by qualified WPacFIN participants.

DATA REPORTING SYSTEM

After all editing, adjustment, and quality control activities have been completed, monthly and annual summary reports by species are generated. Each monthly report contains a subtotal for the sum of all species for that month. Annual reports contain the total landings for each species and the total recorded landings for all species for the calendar year.

Please note that commercial landings data have been adjusted to reflect total coverage and are referenced as “Estimated Commercial Landings” in the charts and tables. Also, some of the charts in this volume are new or modified from earlier volumes.

To access the most up-to-date data and charts, please visit 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 CNMI's data:

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)
- Marlin
- Shortbill spearfish
- Sailfish
- Wahoo
- Sharks

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II. Bottomfish Management Unit Species (BMUS)

Jacks (unclassified, but excluding bigeye scad)
Amberjack
Bottomfish (unclassified)
Ehu (red snapper)
Gindai (flower snapper)
Grouper (unclassified)
Kalekale (pink snapper)
Lehi (silverjaw snapper)
Onaga (red or longtail snapper)
Opakapaka (pink snapper)
Uku (gray snapper)
Emperorfish

III. Billfish

Marlin (probably all blue marlin but could also include the rarely landed striped and black marlins)
Shortbill spearfish
Sailfish

IV. Tunas

Tunas (unclassified)
Skipjack tuna
Yellowfin tuna
Dogtooth tuna

V. Other Tuna

The above tunas excluding skipjack and yellowfin tunas

VI. Fisheries Categories

A. Pelagics

All PMUS and tuna species plus the following:
Troll fish (unclassified)
Barracuda

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Rainbow runner

B. Bottomfish

Same as BMUS

C. Reef Fish

Reef fish (unclassified)

Giant wrasse

Rabbitfish (hitting, hitting feda, menahac, and sesjun)

Rudderfish

Squirrelfish

Parrotfish

Snapper

Surgeonfish

Unicornfish

Goatfish

D. Other

Miscellaneous

Mullet

Milkfish

Crabs (unclassified)

Lobster

Octopus

Turtle

Bigeye scad

Eels

Invertebrates (unclassified)

Coconut crab

Shrimp

Squid

Seaweeds

Imported

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Table B-1
2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	8,680	\$20,455	\$2.36
Jacks (misc)	1,547	\$3,765	\$2.43
Mullet	46	\$112	\$2.44
Blackjack	1,104	\$2,887	\$2.62
Giant trevally	66	\$164	\$2.50
Bottomfish	20,530	\$53,500	\$2.61
Sickle pomfret	208	\$515	\$2.48
Ehu (red snapper)	1,040	\$3,383	\$3.25
Gindai (flower snapper)	1,961	\$6,432	\$3.28
Grouper (misc)	2,477	\$7,726	\$3.12
Kalekale (yellowtail)	2,927	\$7,358	\$2.51
Onaga (red snapper)	2,063	\$7,891	\$3.83
Opakapaka (pink snapper)	1,034	\$2,984	\$2.88
Jobfish (uku)	866	\$1,884	\$2.18
Silvermouth (deep lehi)	1,016	\$2,794	\$2.75
Amberjack	323	\$857	\$2.65
Giant coral trout	5	\$10	\$2.00
Blueline snapper	596	\$1,529	\$2.57
Reef fish	55,584	\$141,391	\$2.54
Wrasse	210	\$449	\$2.14
Rabbitfish	2,110	\$6,774	\$3.21
Emperor (mafute/misc)	17,766	\$46,657	\$2.63
Parrotfish (misc)	7,293	\$21,892	\$3.00
Surgeonfish (misc)	3,212	\$6,464	\$2.01
Orangespine unicornfish	50	\$125	\$2.50
Unicornfish (misc)	146	\$361	\$2.46
Goatfish (misc)	123	\$340	\$2.76
Troll fish (misc)	49	\$93	\$1.90
Barracuda	10	\$25	\$2.50
Mahimahi	21,128	\$41,551	\$1.97
Blue marlin	1,253	\$1,730	\$1.38
Sailfish	30	\$45	\$1.50
Rainbow runner	8,856	\$16,937	\$1.91
Wahoo	2,631	\$5,470	\$2.08
Skipjack tuna	204,768	\$361,930	\$1.77
Dogtooth tuna	6,130	\$12,095	\$1.97
Yellowfin tuna	40,868	\$80,322	\$1.97
Saba (kawakawa)	6,648	\$12,609	\$1.90
Spiny lobster	4,408	\$22,091	\$5.01
Octopus	2,903	\$6,149	\$2.12
Shrimp (saltwater)	126	\$1,310	\$10.44
TOTAL	432,790	\$911,059	\$2.11

Table B-2
January 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	1,923	\$4,404	\$2.29
Jacks (misc)	239	\$550	\$2.31
Blackjack	42	\$84	\$2.00
Bottom fish	3,187	\$7,760	\$2.44
Ehu (red snapper)	4	\$7	\$2.00
Gindai (flower snapper)	7	\$14	\$2.00
Grouper (misc)	143	\$409	\$2.86
Kalekale (yellowtail)	108	\$216	\$2.00
Onaga (red snapper)	260	\$1,170	\$4.50
Jobfish (uku)	151	\$317	\$2.10
Blueline snapper	11	\$23	\$2.00
Reef fish	3,586	\$8,932	\$2.49
Rabbitfish	157	\$507	\$3.23
Emperor (mafute/misc)	1,350	\$3,456	\$2.56
Parrotfish (misc)	178	\$657	\$3.69
Mahimahi	3,226	\$6,515	\$2.02
Sailfish	30	\$45	\$1.50
Rainbow runner	698	\$1,361	\$1.95
Wahoo	146	\$302	\$2.07
Skipjack tuna	9,870	\$21,373	\$2.17
Dogtooth tuna	1,390	\$2,348	\$1.69
Yellowfin tuna	2,869	\$5,867	\$2.04
Saba (kawakawa)	264	\$501	\$1.90
Spiny lobster	64	\$450	\$7.00
Octopus	317	\$757	\$2.39
Shrimp (saltwater)	61	\$724	\$11.8
TOTAL	30,280	\$68,751	\$2.27

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Table B-3
February 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	450	\$900	\$2.00
Jacks (misc)	29	\$91	\$3.15
Blackjack	100	\$229	\$2.29
Bottomfish	2,340	\$5,852	\$2.50
Sickle pomfret	41	\$102	\$2.50
Ehu (red snapper)	57	\$171	\$3.00
Gindai (flower snapper)	39	\$118	\$3.00
Grouper (misc)	137	\$412	\$3.01
Kalekale (yellowtail)	87	\$226	\$2.60
Onaga (red snapper)	137	\$549	\$4.00
Opakapaka (pink snapper)	3	\$6	\$2.00
Jobfish (uku)	14	\$34	\$2.40
Amberjack	21	\$62	\$3.00
Giant coral trout	5	\$10	\$2.00
Reef fish	3,245	\$7,744	\$2.39
Rabbitfish	131	\$425	\$3.25
Emperor (mafute/misc)	1,649	\$4,322	\$2.62
Parrotfish (misc)	141	\$477	\$3.39
Mahimahi	5,423	\$10,864	\$2.00
Rainbow runner	718	\$1,368	\$1.90
Wahoo	521	\$1,259	\$2.42
Skipjack tuna	10,043	\$20,483	\$2.04
Dogtooth tuna	506	\$972	\$1.92
Yellowfin tuna	2,452	\$4,681	\$1.91
Saba (kawakawa)	154	\$309	\$2.00
Spiny lobster	50	\$333	\$6.66
Octopus	141	\$314	\$2.22
Shrimp (saltwater)	64	\$586	\$9.14
TOTAL	28,697	\$62,899	\$2.19

Table B-4
March 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	200	\$433	\$2.17
Jacks (misc)	43	\$107	\$2.50
Blackjack	139	\$362	\$2.60
Bottom fish	1,834	\$5,163	\$2.81
Sickle pomfret	18	\$45	\$2.50
Gindai (flower snapper)	53	\$136	\$2.59
Grouper (misc)	159	\$472	\$2.97
Kalekale (yellowtail)	161	\$410	\$2.55
Onaga (red snapper)	17	\$77	\$4.50
Opakapaka (pink snapper)	46	\$126	\$2.75
Jobfish (uku)	129	\$321	\$2.50
Amberjack	34	\$92	\$2.75
Blueline snapper	51	\$132	\$2.61
Reef fish	3,413	\$9,189	\$2.69
Wrasse	36	\$89	\$2.50
Rabbitfish	131	\$427	\$3.25
Emperor (mafute/misc)	1,693	\$4,352	\$2.57
Parrotfish (misc)	537	\$1,603	\$2.99
Surgeonfish (misc)	69	\$137	\$2.00
Mahimahi	5,463	\$10,351	\$1.89
Blue marlin	200	\$500	\$2.50
Rainbow runner	488	\$980	\$2.01
Wahoo	420	\$856	\$2.04
Skipjack tuna	21,350	\$39,821	\$1.87
Dogtooth tuna	761	\$2,149	\$2.82
Yellowfin tuna	3,553	\$6,940	\$1.95
Saba (kawakawa)	120	\$240	\$2.00
Spiny lobster	179	\$1,013	\$5.67
Octopus	96	\$223	\$2.32
TOTAL	41,390	\$86,747	\$2.10

Table B-5
April 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	71	\$143	\$2.00
Jacks (misc)	7	\$18	\$2.50
Blackjack	226	\$574	\$2.54
Bottomfish	268	\$729	\$2.72
Sickle pomfret	21	\$54	\$2.50
Gindai (flower snapper)	211	\$793	\$3.75
Grouper (misc)	70	\$210	\$3.00
Kalekale (yellowtail)	49	\$134	\$2.75
Onaga (red snapper)	30	\$120	\$4.00
Jobfish (uku)	4	\$9	\$2.00
Blueline snapper	71	\$196	\$2.75
Reef fish	3,127	\$8,242	\$2.64
Rabbitfish	64	\$198	\$3.11
Emperor (mafute/misc)	1,852	\$5,282	\$2.85
Parrotfish (misc)	502	\$1,447	\$2.88
Surgeonfish (misc)	194	\$409	\$2.10
Goatfish (misc)	11	\$27	\$2.50
Mahimahi	3,527	\$6,658	\$1.89
Blue marlin	106	\$106	\$1.00
Rainbow runner	435	\$797	\$1.83
Wahoo	314	\$654	\$2.08
Skipjack tuna	22,435	\$36,580	\$1.63
Dogtooth tuna	594	\$1,033	\$1.74
Yellowfin tuna	3,575	\$7,105	\$1.99
Saba (kawakawa)	153	\$306	\$2.00
Spiny lobster	286	\$1,432	\$5.00
Octopus	91	\$203	\$2.23
TOTAL	38,295	\$73,456	\$1.92

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Table B-6
May 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	33	\$66	\$2.00
Jacks (misc)	16	\$41	\$2.50
Blackjack	6	\$12	\$2.00
Giant trevally	66	\$164	\$2.50
Bottomfish	2,401	\$6,527	\$2.72
Ehu (red snapper)	211	\$736	\$3.48
Gindai (flower snapper)	729	\$2,595	\$3.56
Grouper (misc)	184	\$645	\$3.50
Kalekale (yellowtail)	649	\$1,742	\$2.68
Onaga (red snapper)	293	\$1,051	\$3.59
Opakapaka (pink snapper)	440	\$1,293	\$2.94
Silvermouth (deep lehi)	84	\$253	\$3.00
Reef fish	3,353	\$9,040	\$2.70
Wrasse	46	\$103	\$2.25
Rabbitfish	31	\$101	\$3.26
Emperor (mafute/misc)	1,664	\$4,937	\$2.97
Parrotfish (misc)	789	\$2,158	\$2.73
Surgeonfish (misc)	21	\$32	\$1.50
Unicornfish (misc)	54	\$136	\$2.50
Mahimahi	529	\$975	\$1.84
Blue marlin	86	\$86	\$1.00
Rainbow runner	102	\$182	\$1.78
Wahoo	99	\$166	\$1.67
Skipjack tuna	22,184	\$35,586	\$1.60
Dogtooth tuna	257	\$536	\$2.09
Yellowfin tuna	2,113	\$4,124	\$1.95
Spiny lobster	829	\$4,447	\$5.36
Octopus	163	\$378	\$2.31
TOTAL	37,434	\$78,110	\$2.09

Table B-7
June 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	873	\$2,597	\$2.98
Jacks (misc)	9	\$21	\$2.50
Bottomfish	1,649	\$4,281	\$2.60
Sickle pomfret	42	\$116	\$2.75
Ehu (red snapper)	176	\$595	\$3.37
Gindai (flower snap)	164	\$544	\$3.31
Grouper (misc)	310	\$930	\$3.00
Kalekale (yellowtail)	286	\$732	\$2.55
Onaga (red snapper)	111	\$390	\$3.50
Amberjack	25	\$45	\$1.75
Reef fish	3,991	\$10,604	\$2.66
Rabbitfish	86	\$280	\$3.25
Emperor (mafute/misc)	531	\$1,462	\$2.75
Parrotfish (misc)	384	\$1,158	\$3.02
Surgeonfish (misc)	251	\$503	\$2.00
Unicornfish (misc)	51	\$129	\$2.50
Mahimahi	209	\$488	\$2.34
Blue marlin	154	\$154	\$1.00
Rainbow runner	930	\$1,847	\$1.99
Wahoo	24	\$41	\$1.75
Skipjack tuna	21,029	\$31,882	\$1.52
Dogtooth tuna	99	\$205	\$2.08
Yellowfin tuna	2,226	\$4,259	\$1.91
Saba (kawakawa)	101	\$189	\$1.86
Spiny lobster	186	\$926	\$4.99
Octopus	180	\$386	\$2.15
TOTAL	34,078	\$64,763	\$1.90

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Table B-8
July 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	65	\$188	\$2.89
Jacks (misc)	309	\$744	\$2.41
Mullet	5	\$11	\$2.00
Blackjack	304	\$835	\$2.75
Bottomfish	2,046	\$5,247	\$2.57
Sickle pomfret	16	\$41	\$2.50
Ehu (red snapper)	93	\$325	\$3.50
Gindai (flower snapper)	206	\$669	\$3.24
Grouper (misc)	641	\$2,126	\$3.32
Kalekale (yellowtail)	591	\$1,551	\$2.62
Opakapaka (pink snapper)	241	\$665	\$2.76
Jobfish (uku)	63	\$158	\$2.52
Silvermouth (deep lehi)	169	\$349	\$2.07
Amberjack	30	\$90	\$3.00
Blueline snapper	109	\$296	\$2.70
Reef fish	7,012	\$17,713	\$2.53
Rabbitfish	146	\$474	\$3.24
Emperor (mafute/misc)	712	\$1,743	\$2.45
Parrotfish (misc)	1,941	\$5,833	\$3.00
Surgeonfish (misc)	316	\$633	\$2.00
Unicornfish (misc)	7	\$13	\$1.75
Goatfish (misc)	7	\$21	\$3.00
Troll fish (misc)	29	\$57	\$2.00
Barracuda	10	\$25	\$2.50
Mahimahi	106	\$196	\$1.84
Rainbow runner	1,329	\$2,376	\$1.79
Wahoo	99	\$194	\$1.96
Skipjack tuna	22,120	\$33,478	\$1.51
Dogtooth tuna	357	\$720	\$2.01
Yellowfin tuna	3,414	\$6,539	\$1.92
Saba (kawakawa)	144	\$216	\$1.50
Spiny lobster	885	\$4,423	\$5.00
Octopus	237	\$474	\$2.00
TOTAL	43,760	\$88,422	\$2.02

Table B-9
August 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	39	\$116	\$3.00
Jacks (misc)	307	\$798	\$2.60
Mullet	26	\$66	\$2.50
Blackjack	20	\$60	\$3.00
Bottomfish	1,550	\$4,124	\$2.66
Ehu (red snapper)	96	\$317	\$3.29
Gindai (flower snapper)	39	\$112	\$2.88
Grouper (misc)	66	\$201	\$3.06
Kalekale (yellowtail)	51	\$141	\$2.75
Onaga (red snapper)	29	\$107	\$3.75
Jobfish (uku)	134	\$267	\$2.00
Silvermouth (deep lehi)	24	\$91	\$3.75
Blueline snapper	125	\$313	\$2.50
Reef fish	5,252	\$13,129	\$2.50
Rabbitfish	298	\$909	\$3.05
Emperor (mafute/misc)	691	\$1,777	\$2.57
Parrotfish (misc)	1,169	\$3,536	\$3.02
Surgeonfish (misc)	453	\$909	\$2.00
Orangespine unicornfish	50	\$125	\$2.50
Unicornfish (misc)	31	\$79	\$2.50
Goatfish (misc)	60	\$166	\$2.75
Mahimahi	356	\$625	\$1.76
Rainbow runner	1,303	\$2,354	\$1.81
Wahoo	44	\$93	\$2.14
Skipjack tuna	19,416	\$31,543	\$1.62
Dogtooth tuna	96	\$171	\$1.78
Yellowfin tuna	5,576	\$10,165	\$1.82
Saba (kawakawa)	76	\$141	\$1.86
Spiny lobster	807	\$4,001	\$4.96
Octopus	549	\$1,117	\$2.03
TOTAL	38,733	\$77,552	\$2.00

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Table B-10
September 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	1,735	\$4,532	\$2.61
Jacks (misc)	125	\$316	\$2.52
Mullet	14	\$35	\$2.50
Bottom fish	1,138	\$2,946	\$2.59
Ehu (red snapper)	115	\$351	\$3.05
Gindai (flower snapper)	170	\$434	\$2.55
Grouper (misc)	16	\$47	\$3.00
Kalekale (yellowtail)	328	\$796	\$2.42
Onaga (red snapper)	423	\$1,538	\$3.63
Opakapaka (pink snapper)	77	\$205	\$2.67
Jobfish (uku)	23	\$54	\$2.38
Silvermouth (deep lehi)	230	\$671	\$2.92
Amberjack	113	\$313	\$2.78
Reef fish	6,592	\$16,522	\$2.51
Rabbitfish	125	\$396	\$3.18
Emperor (mafute/misc)	1,510	\$3,805	\$2.52
Parrotfish (misc)	696	\$2,189	\$3.15
Surgeonfish (misc)	383	\$765	\$2.00
Goatfish (misc)	28	\$75	\$2.67
Mahimahi	238	\$501	\$2.10
Rainbow runner	1,067	\$2,345	\$2.20
Wahoo	196	\$377	\$1.93
Skipjack tuna	17,085	\$32,790	\$1.92
Dogtooth tuna	498	\$904	\$1.82
Yellowfin tuna	4,459	\$9,301	\$2.09
Saba (kawakawa)	672	\$1,216	\$1.81
Spiny lobster	573	\$2,549	\$4.44
Octopus	371	\$774	\$2.09
TOTAL	38,999	\$86,746	\$2.22

Table B-11
October 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	1,540	\$3,383	\$2.20
Jacks (misc)	184	\$447	\$2.44
Blackjack	140	\$350	\$2.50
Bottom fish	1,852	\$4,827	\$2.61
Sickle pomfret	69	\$158	\$2.28
Ehu (red snapper)	150	\$430	\$2.87
Gindai (flower snapper)	276	\$820	\$2.96
Grouper (misc)	316	\$935	\$2.95
Kalekale (yellowtail)	513	\$1,185	\$2.31
Onaga (red snapper)	472	\$1,784	\$3.78
Opakapaka (pink snapper)	101	\$387	\$3.84
Jobfish (uku)	31	\$56	\$1.81
Silvermouth (deep lehi)	341	\$1,043	\$3.06
Amberjack	82	\$199	\$2.42
Blueline snapper	131	\$329	\$2.50
Reef fish	6,156	\$15,458	\$2.51
Wrasse	129	\$257	\$2.00
Rabbitfish	203	\$659	\$3.25
Emperor (mafute/misc)	2,717	\$6,978	\$2.57
Parrotfish (misc)	396	\$1,171	\$2.95
Surgeonfish (misc)	396	\$793	\$2.00
Unicornfish (misc)	2	\$5	\$2.50
Goatfish (misc)	11	\$32	\$3.00
Troll fish (misc)	21	\$36	\$1.75
Mahimahi	705	\$1,409	\$2.00
Rainbow runner	809	\$1,541	\$1.90
Wahoo	377	\$759	\$2.01
Skipjack tuna	14,903	\$30,501	\$2.05
Dogtooth tuna	757	\$1,440	\$1.90
Yellowfin tuna	2,871	\$5,740	\$2.00
Saba (kawakawa)	2,235	\$3,956	\$1.77
Spiny lobster	278	\$1,202	\$4.33
Octopus	416	\$831	\$2.00
TOTAL	39,581	\$89,100	\$2.25

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Table B-12
November 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	1,111	\$2,299	\$2.07
Jacks (misc)	109	\$280	\$2.57
Bottomfish	1,431	\$3,833	\$2.68
Ehu (red snapper)	40	\$130	\$3.25
Grouper (misc)	393	\$1,231	\$3.13
Kalekale (yellowtail)	12	\$30	\$2.50
Onaga (red snapper)	206	\$772	\$3.75
Opakapaka (pink snapper)	14	\$39	\$2.75
Jobfish (uku)	117	\$204	\$1.74
Silvermouth (deep lehi)	56	\$167	\$3.00
Amberjack	19	\$56	\$3.00
Reef fish	5,450	\$13,786	\$2.53
Rabbitfish	368	\$1,193	\$3.24
Emperor (mafute/misc)	1,683	\$4,303	\$2.56
Parrotfish (misc)	330	\$988	\$2.99
Surgeonfish (misc)	400	\$828	\$2.07
Goatfish (misc)	6	\$19	\$3.00
Mahimahi	491	\$1,059	\$2.16
Rainbow runner	577	\$1,022	\$1.77
Wahoo	267	\$541	\$2.02
Skipjack tuna	16,362	\$31,193	\$1.91
Dogtooth tuna	350	\$661	\$1.89
Yellowfin tuna	3,699	\$6,698	\$1.81
Saba (kawakawa)	181	\$341	\$1.88
Spiny lobster	73	\$327	\$4.47
Octopus	224	\$449	\$2.00
TOTAL	33,970	\$72,450	\$2.13

Table B-13
December 2005 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye scad	641	\$1,394	\$2.18
Jacks (misc)	171	\$351	\$2.05
Blackjack	127	\$381	\$3.00
Bottom fish	834	\$2,210	\$2.65
Ehu (red snapper)	97	\$321	\$3.30
Gindai (flower snapper)	65	\$197	\$3.03
Grouper (misc)	41	\$108	\$2.59
Kalekale (yellowtail)	90	\$196	\$2.17
Onaga (red snapper)	84	\$334	\$3.96
Opakapaka (pink snapper)	113	\$263	\$2.33
Jobfish (uku)	201	\$464	\$2.31
Silvermouth (deep lehi)	113	\$221	\$1.96
Blueline snapper	96	\$241	\$2.50
Reef fish	4,408	\$11,032	\$2.50
Rabbitfish	371	\$1,206	\$3.25
Emperor (mafute/misc)	1,714	\$4,242	\$2.48
Parrotfish (misc)	231	\$676	\$2.93
Surgeonfish (misc)	728	\$1,456	\$2.00
Mahimahi	857	\$1,909	\$2.23
Blue marlin	707	\$884	\$1.25
Rainbow runner	401	\$763	\$1.90
Wahoo	125	\$229	\$1.83
Skipjack tuna	7,971	\$16,702	\$2.10
Dogtooth tuna	465	\$957	\$2.06
Yellowfin tuna	4,059	\$8,902	\$2.19
Saba (kawakawa)	2,547	\$5,195	\$2.04
Spiny lobster	198	\$988	\$5.00
Octopus	117	\$242	\$2.06
TOTAL	27,572	\$62,062	\$2.25

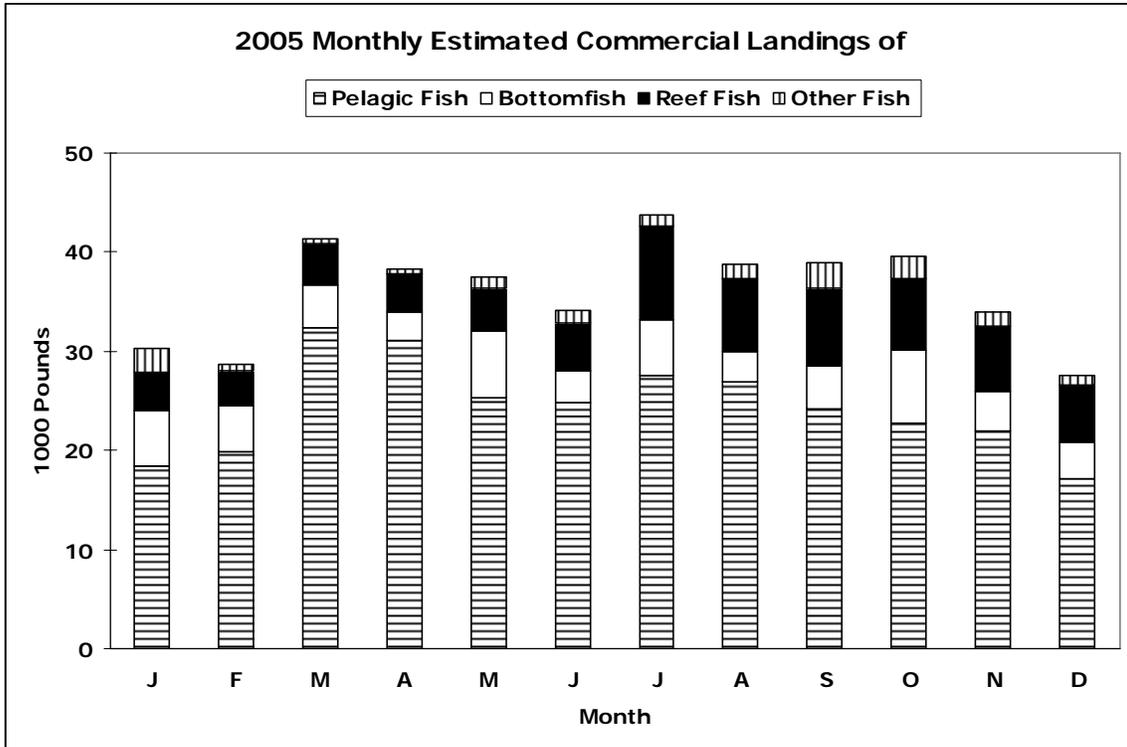


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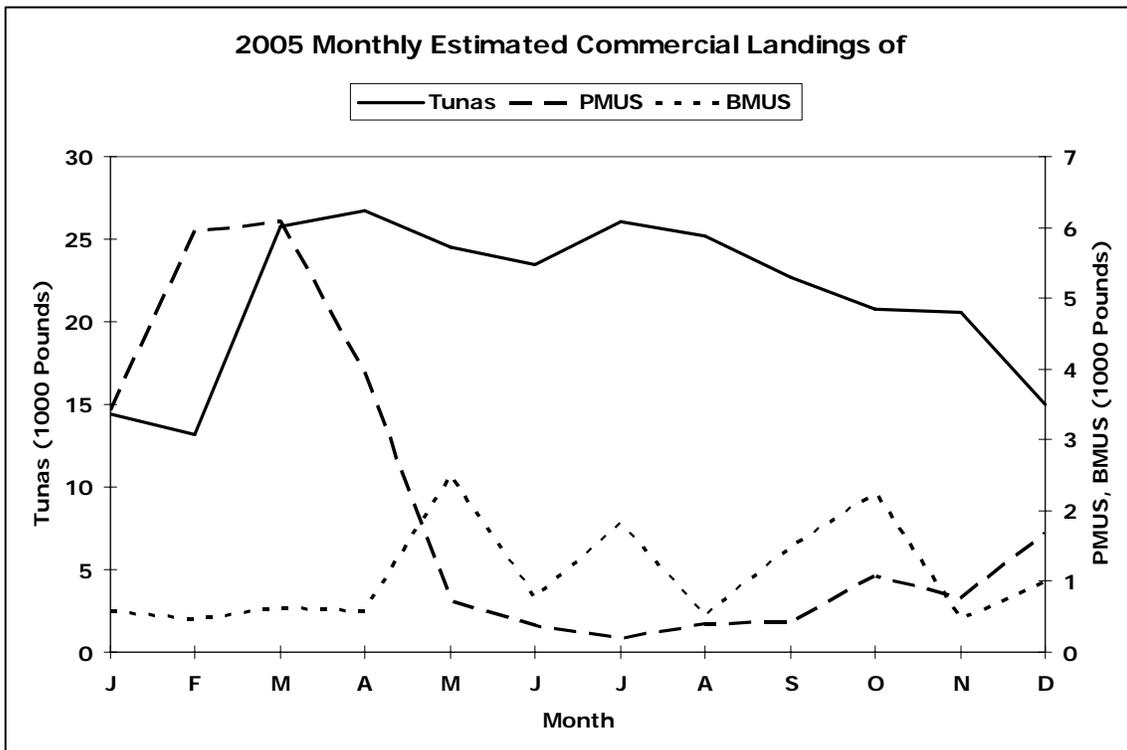


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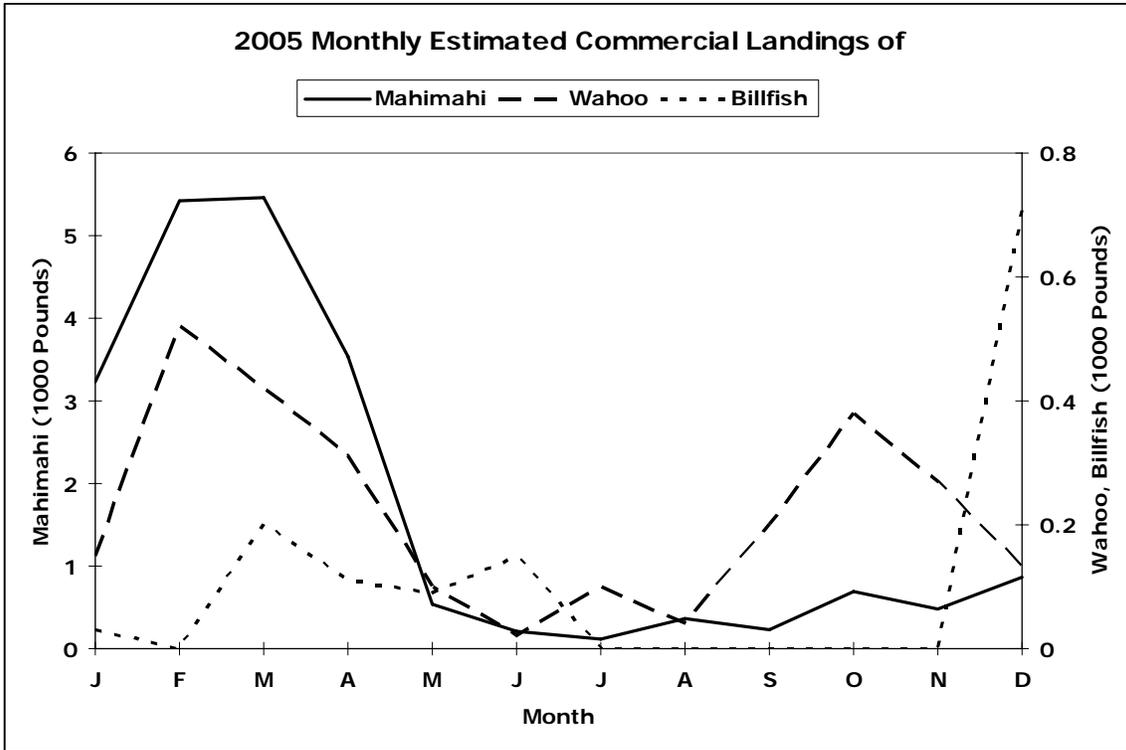


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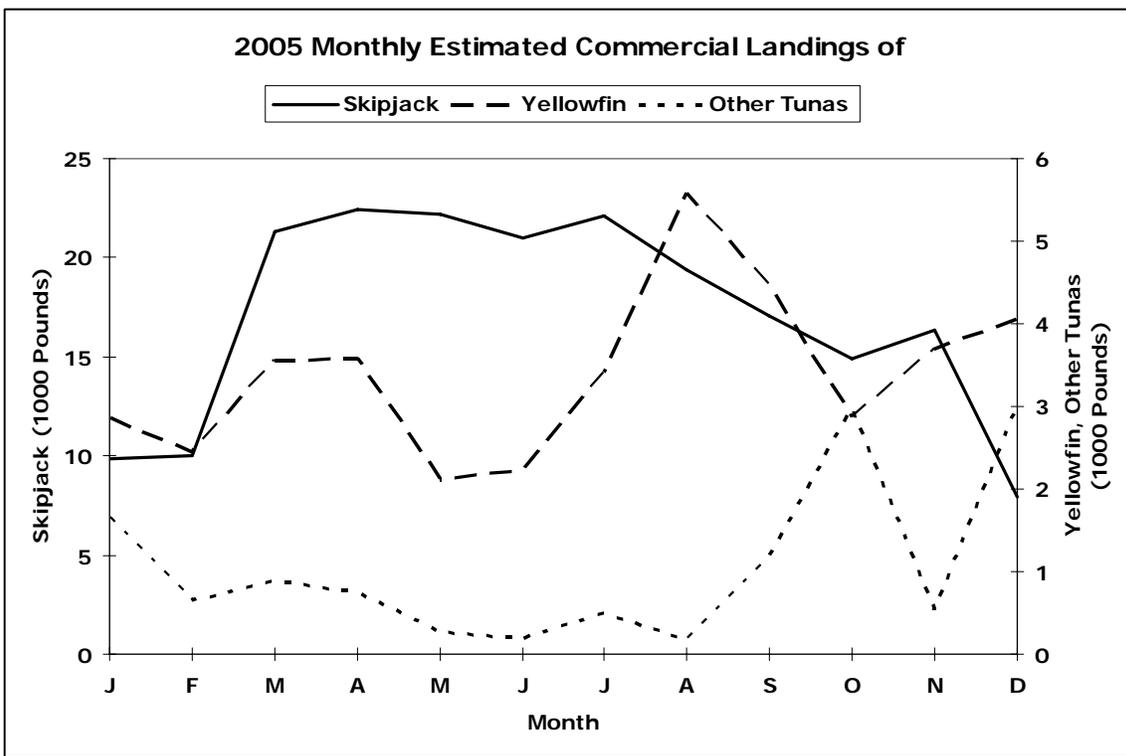


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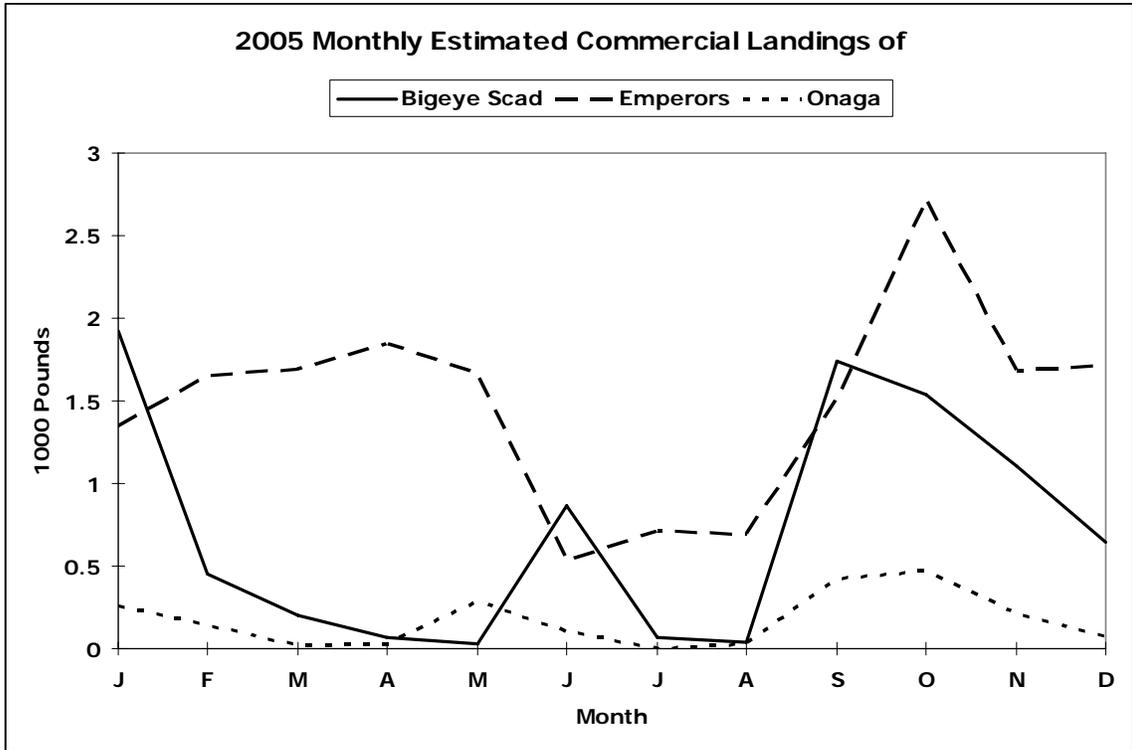


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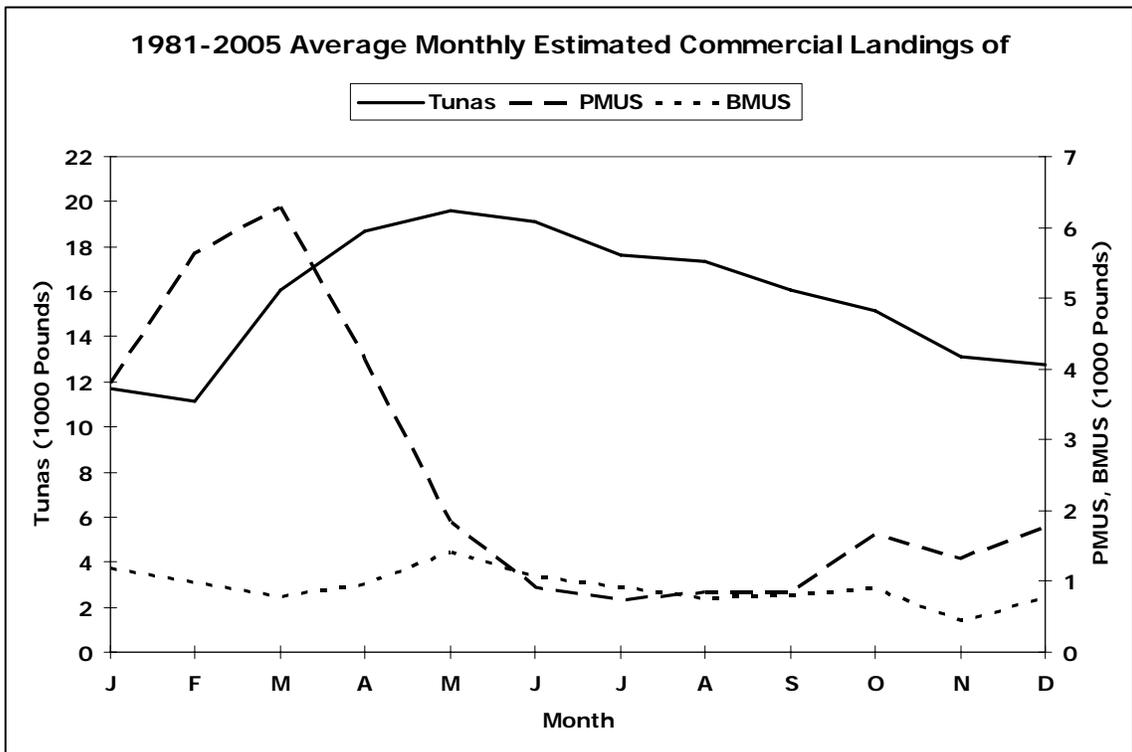


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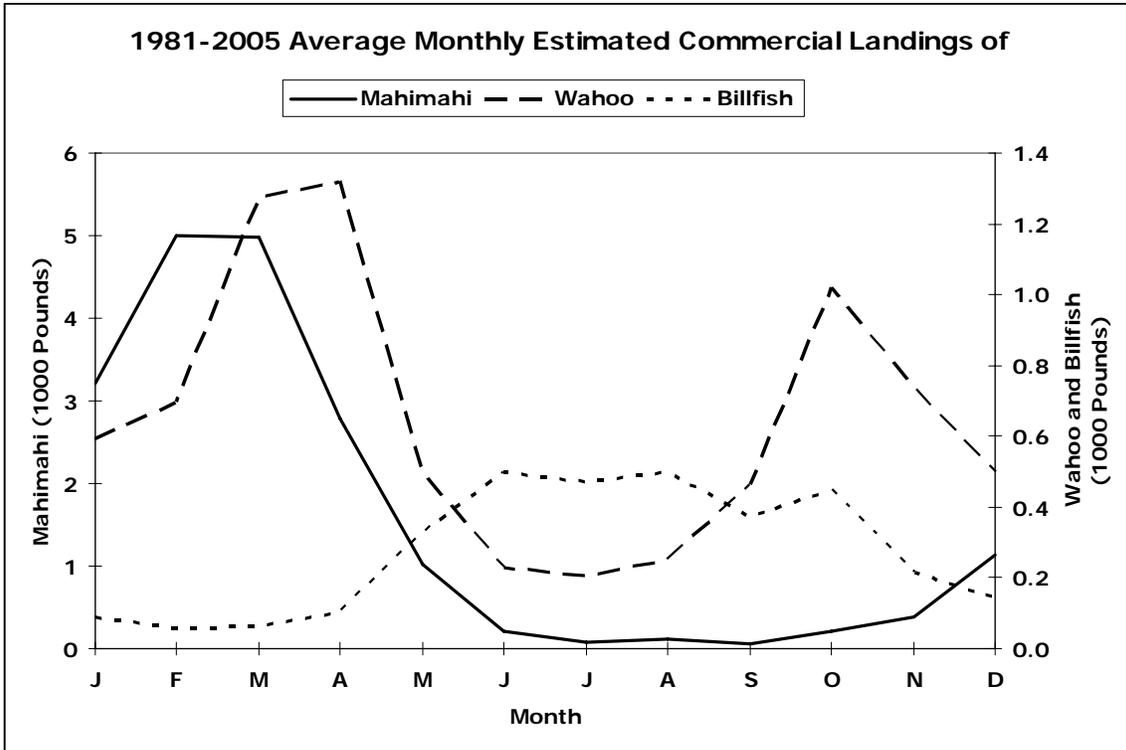


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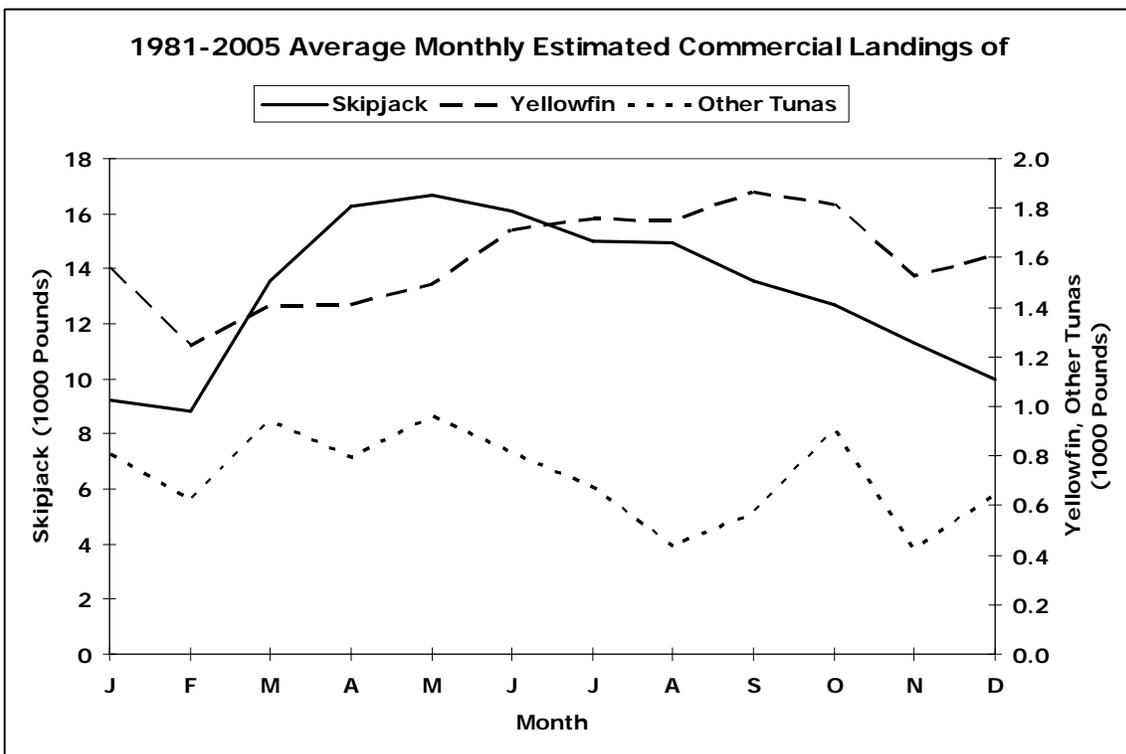


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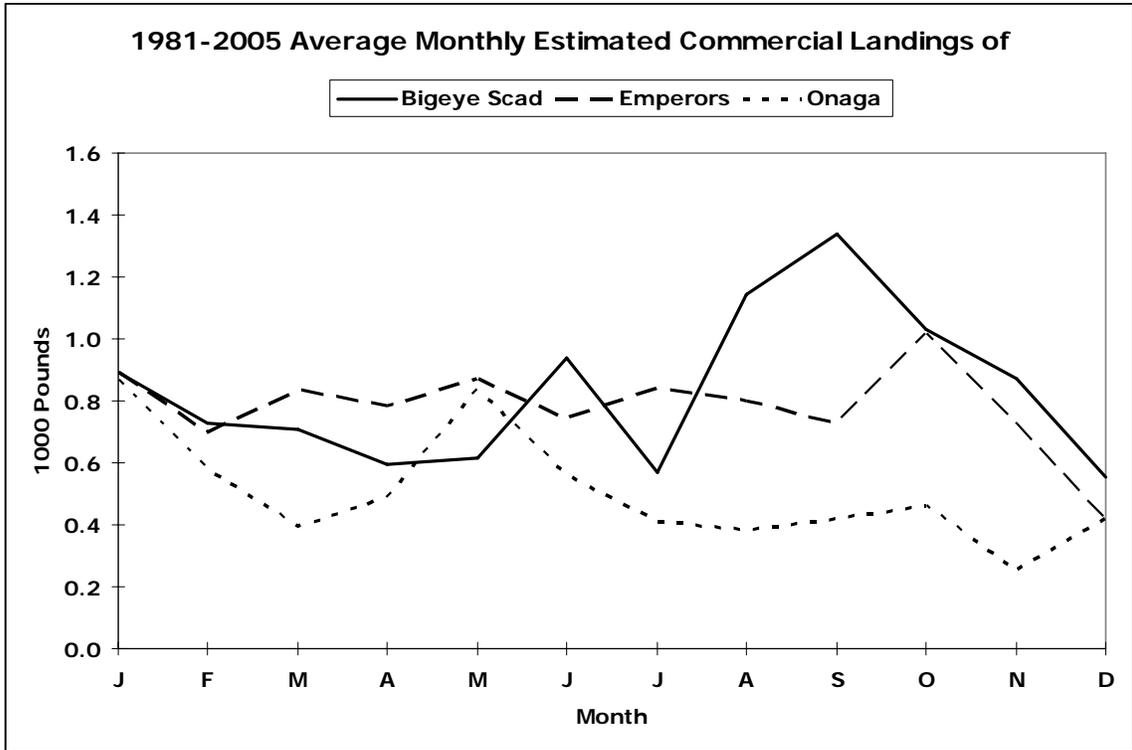


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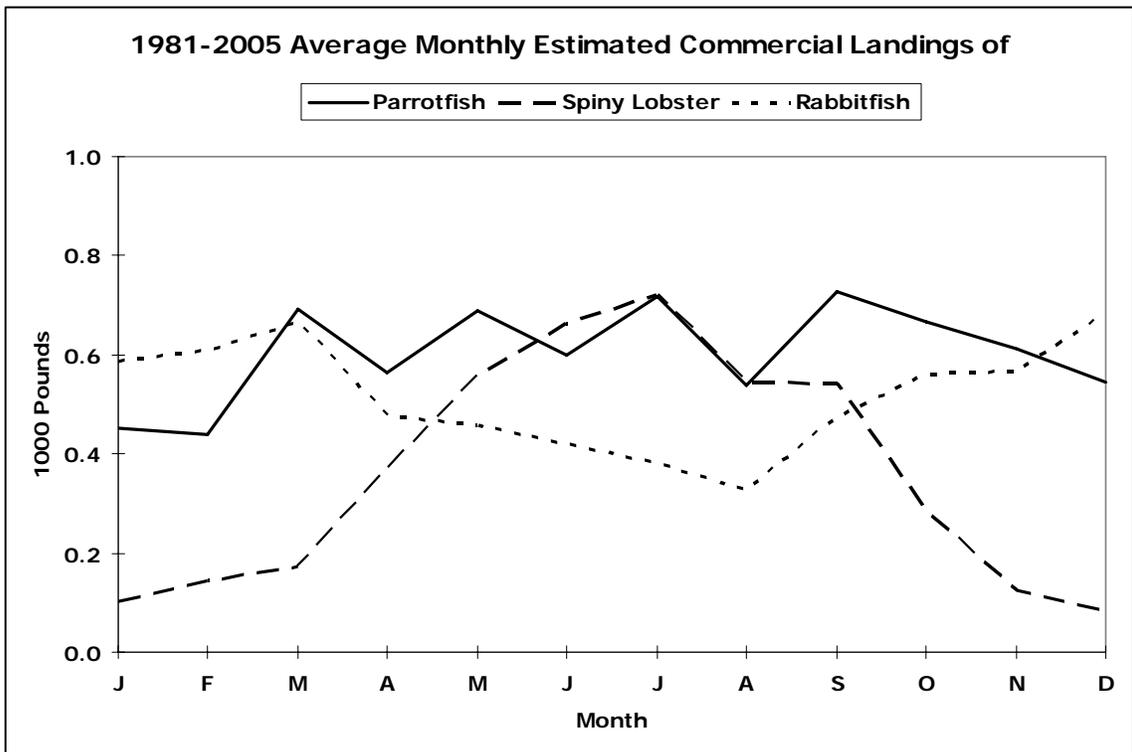


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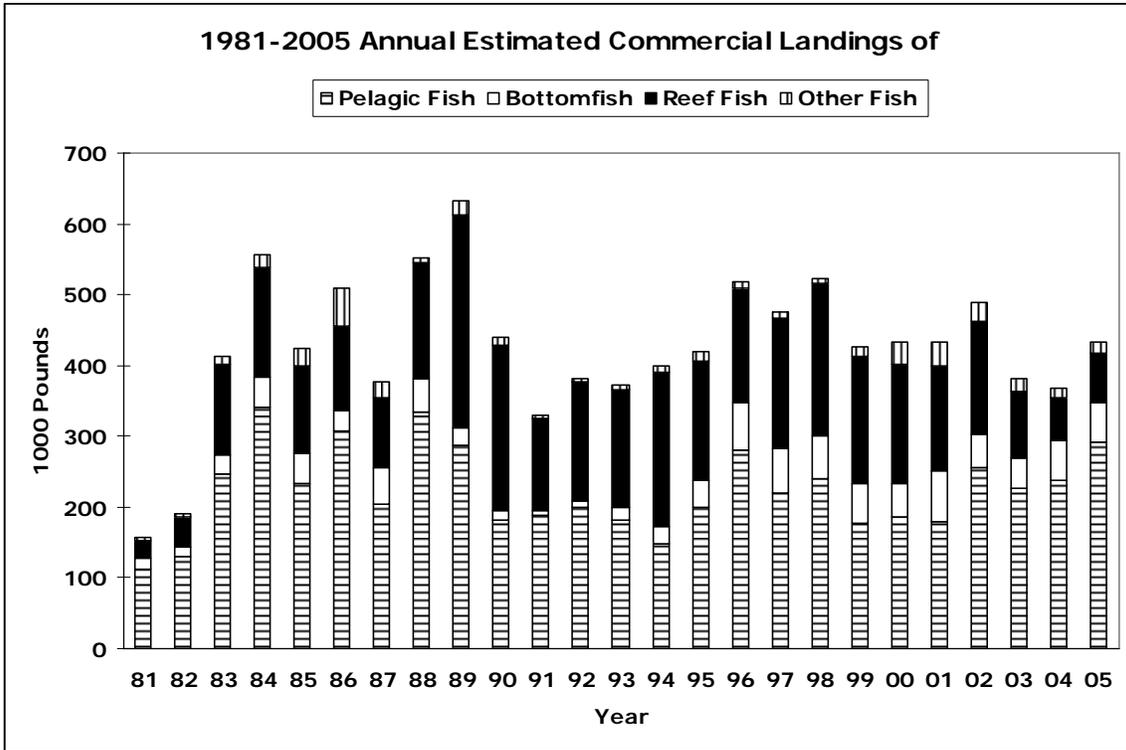


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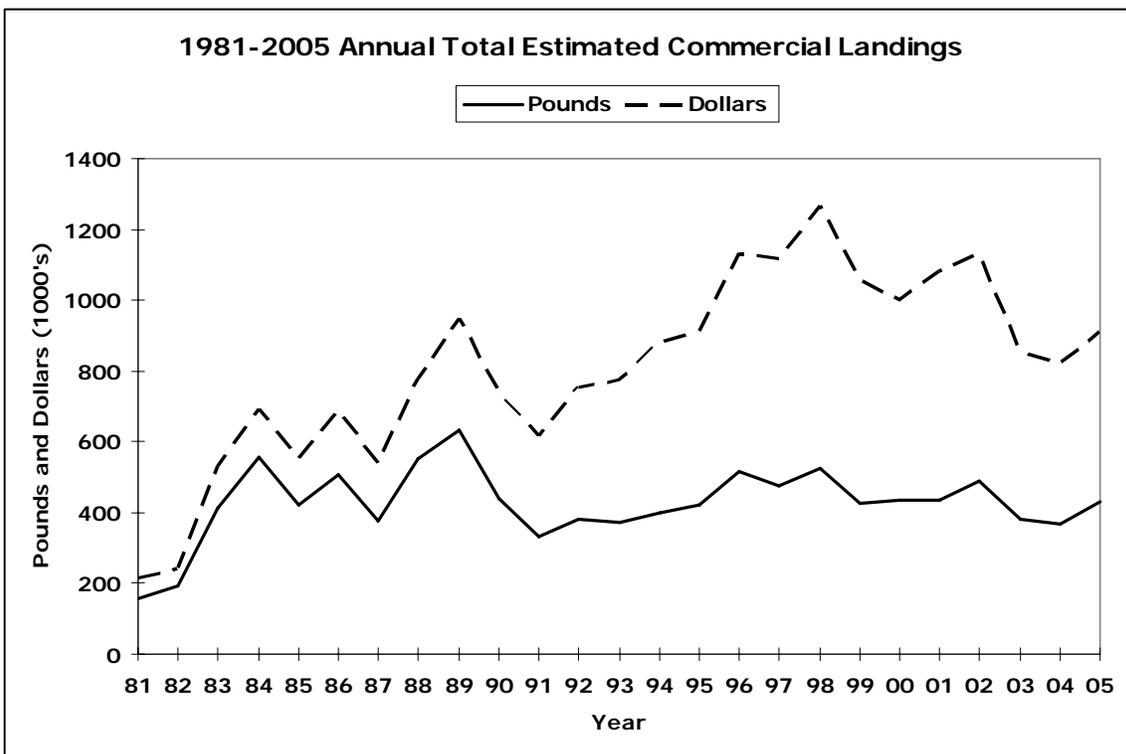


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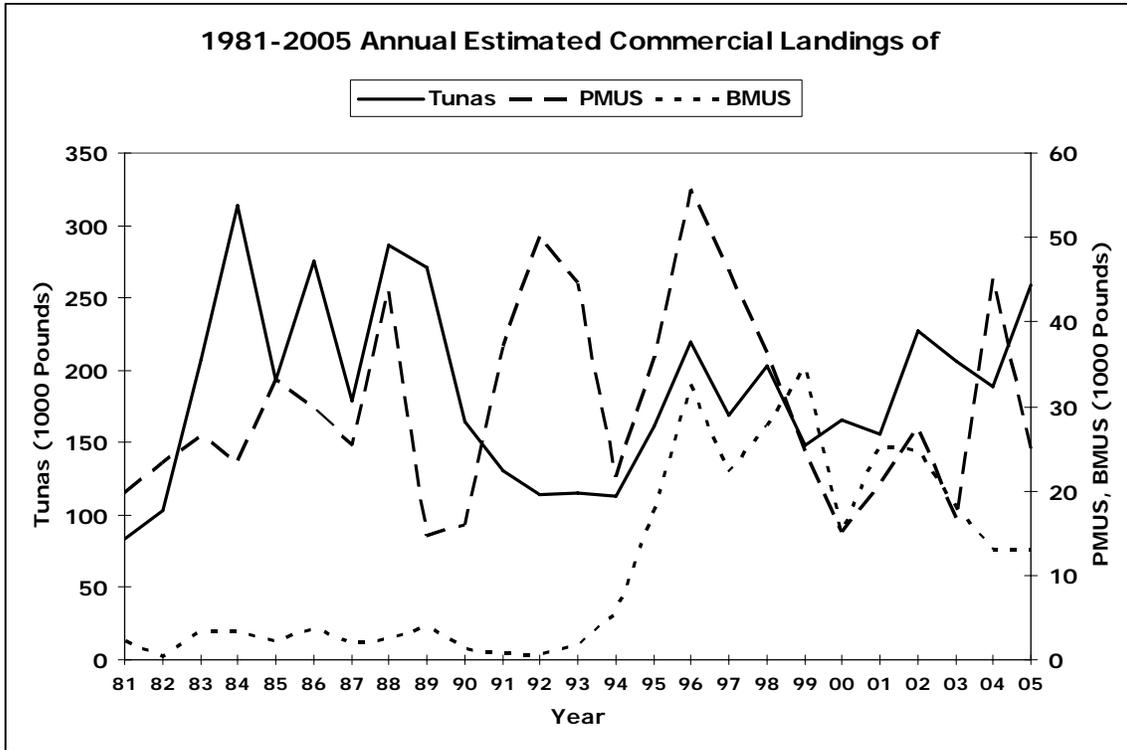


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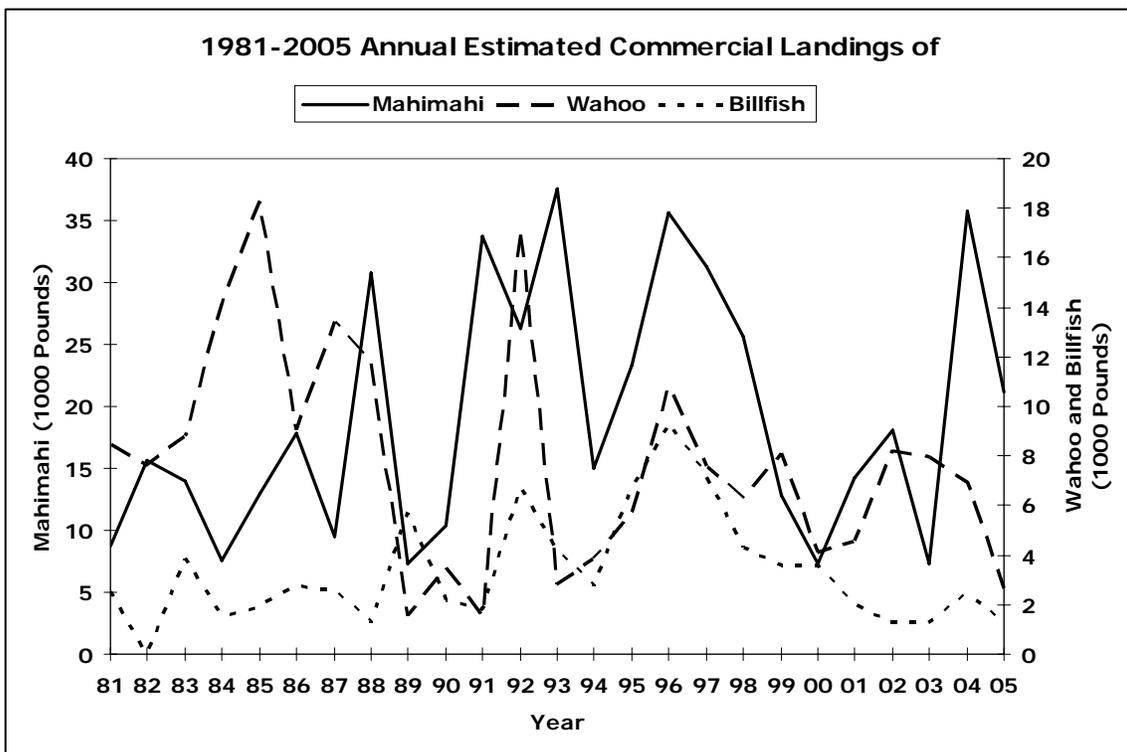


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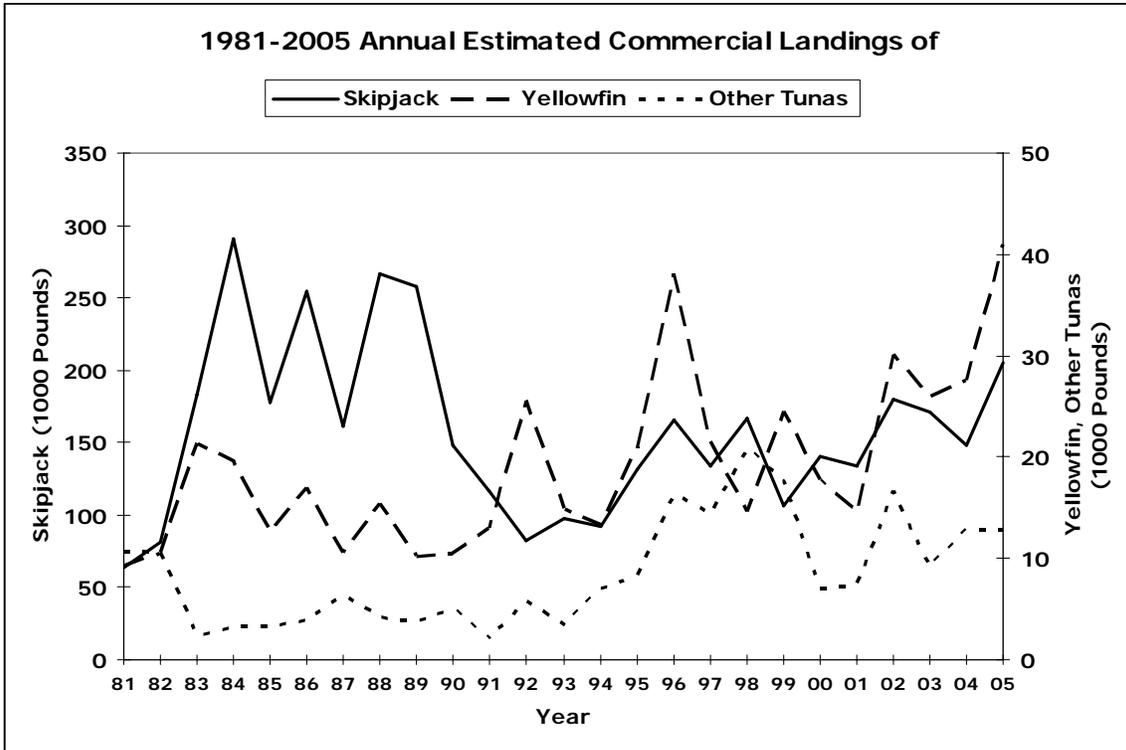


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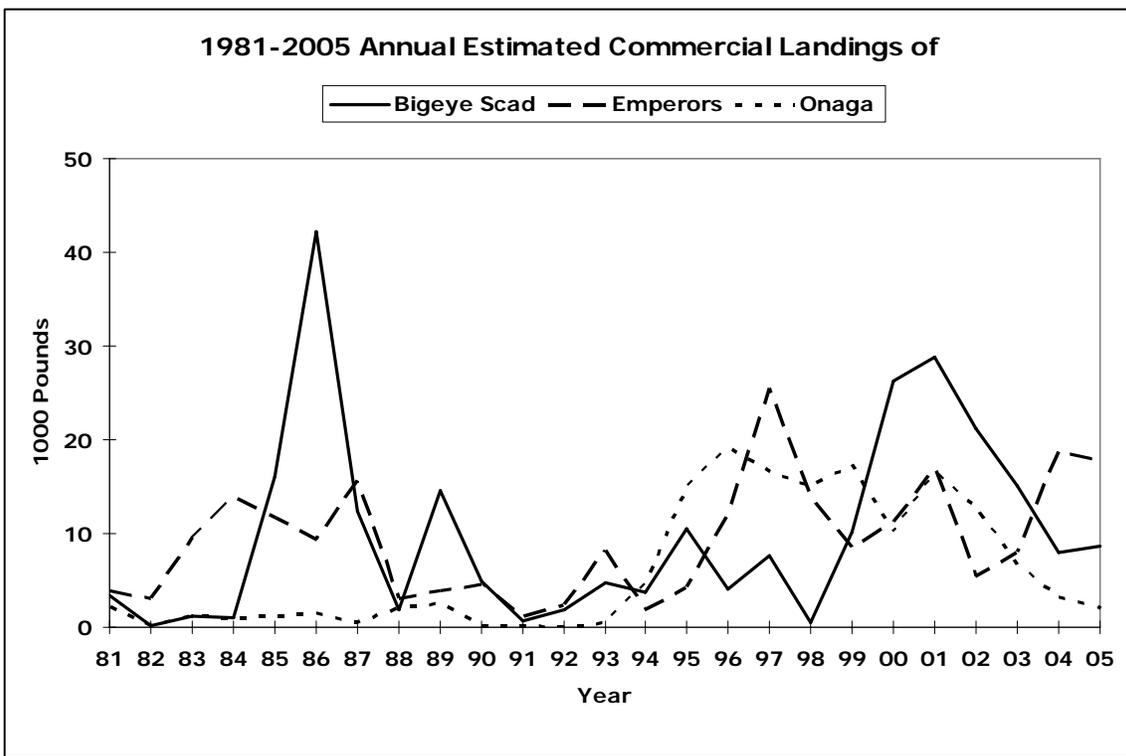


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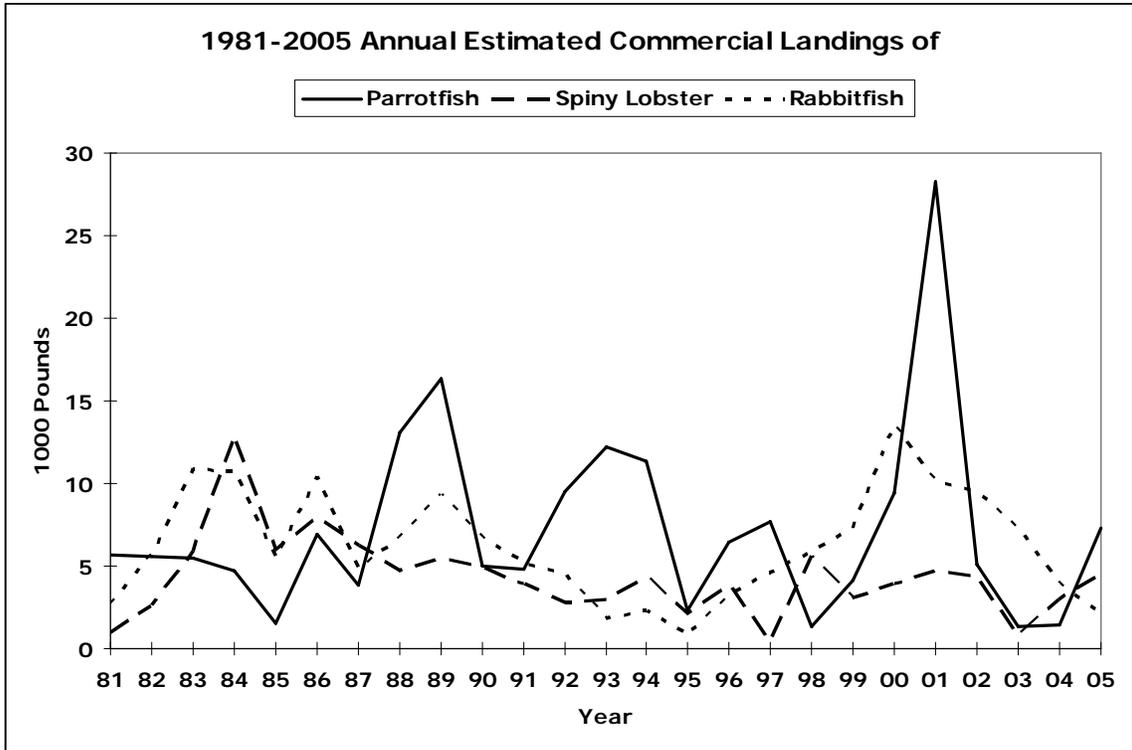


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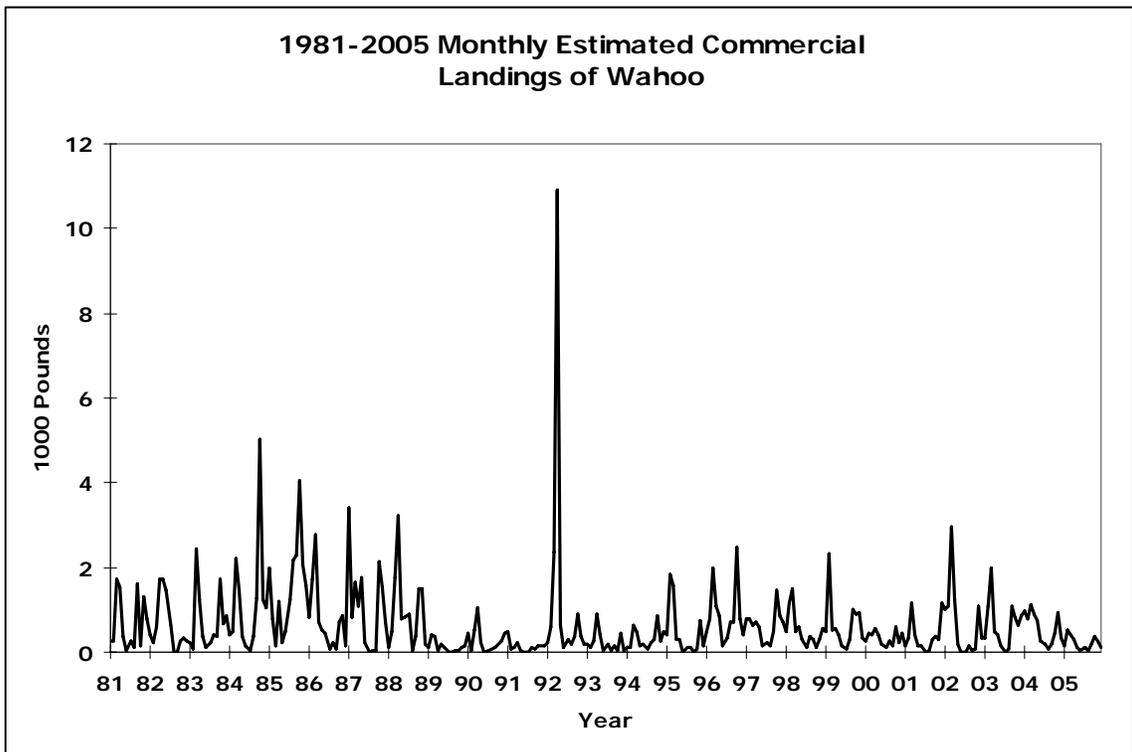


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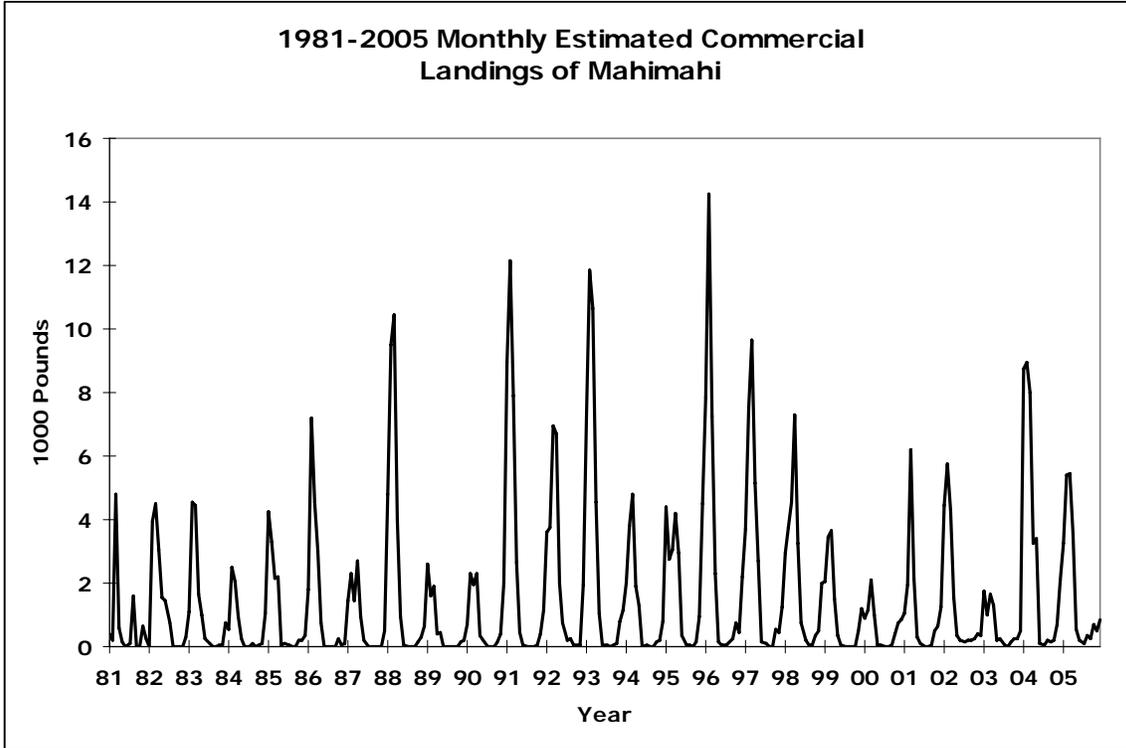


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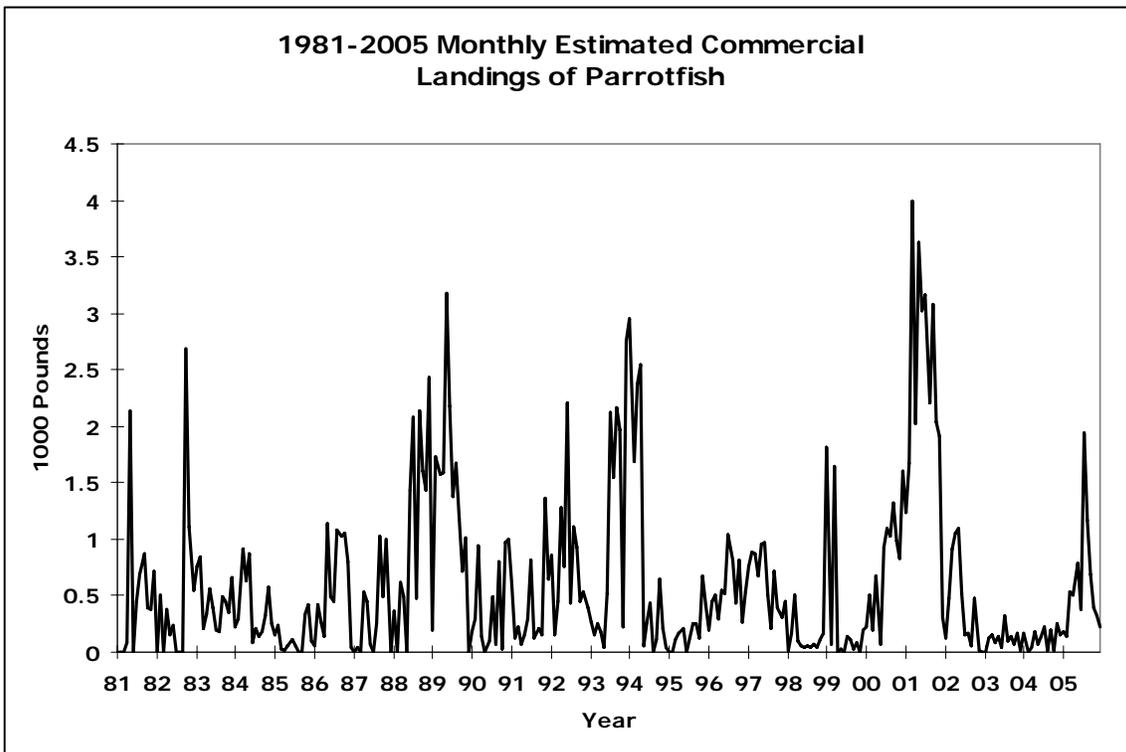


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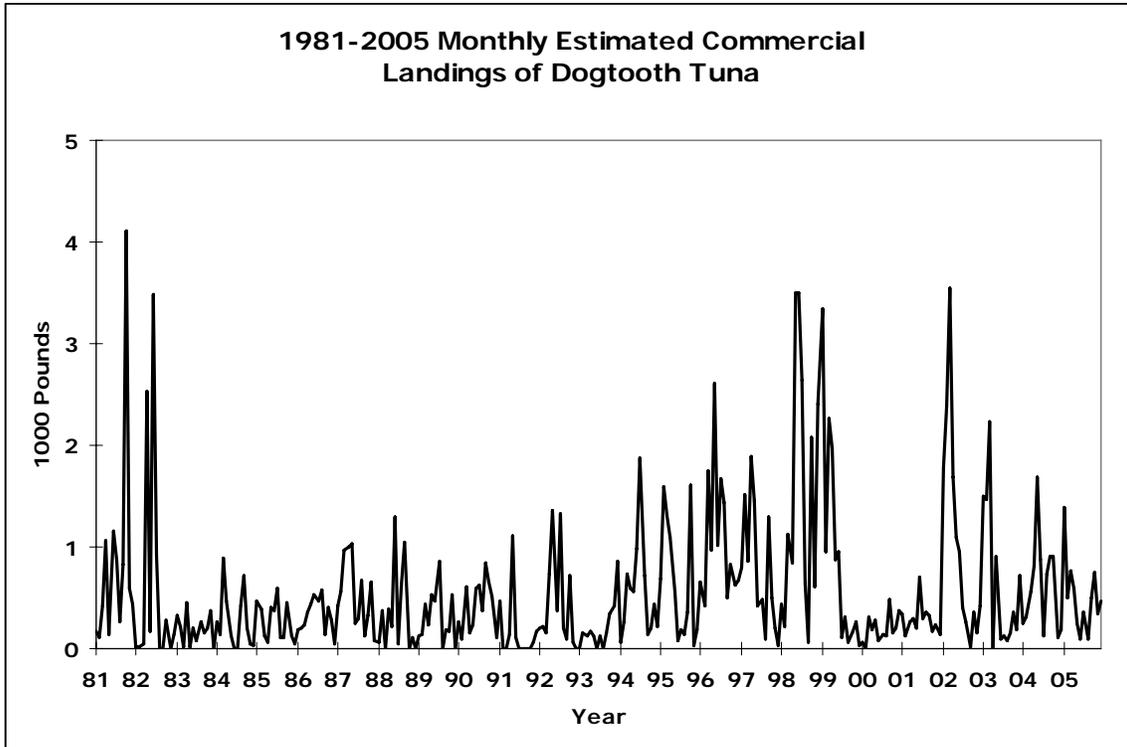


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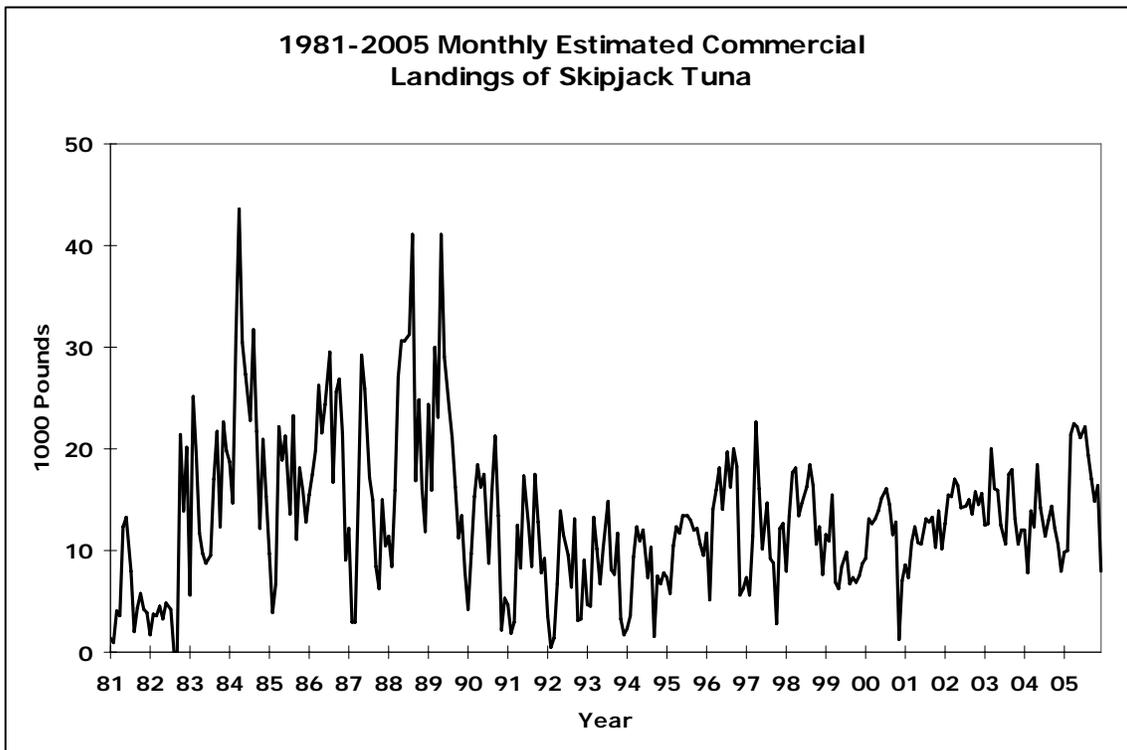


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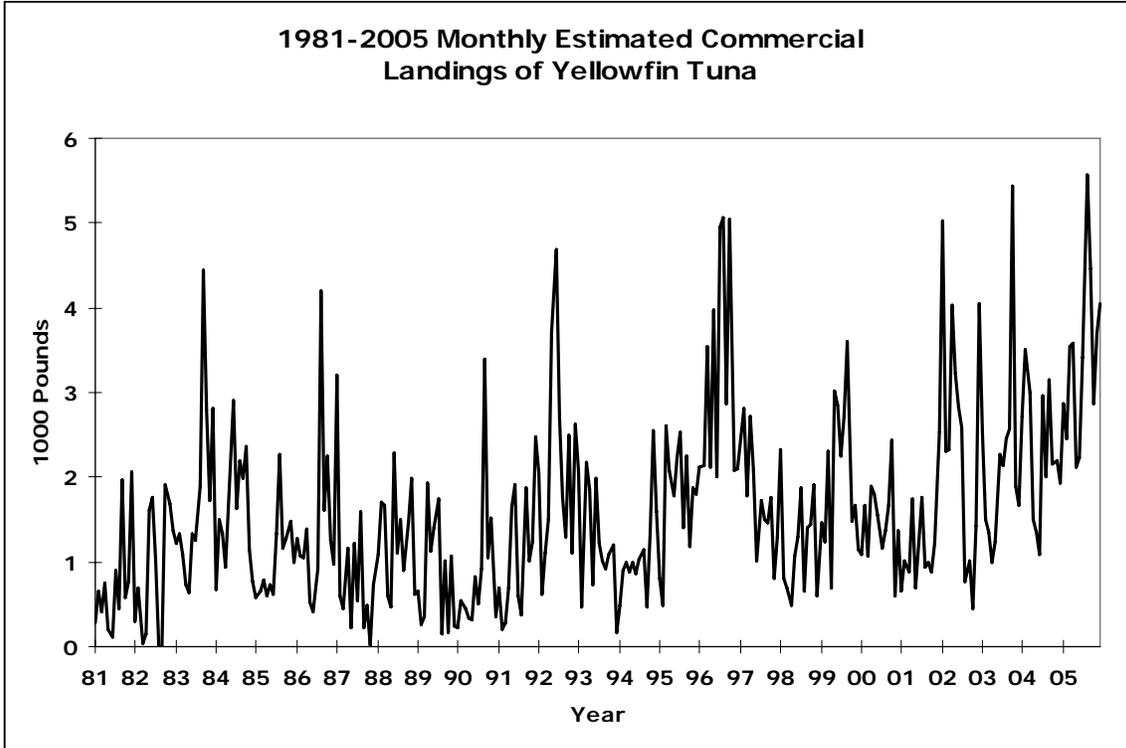


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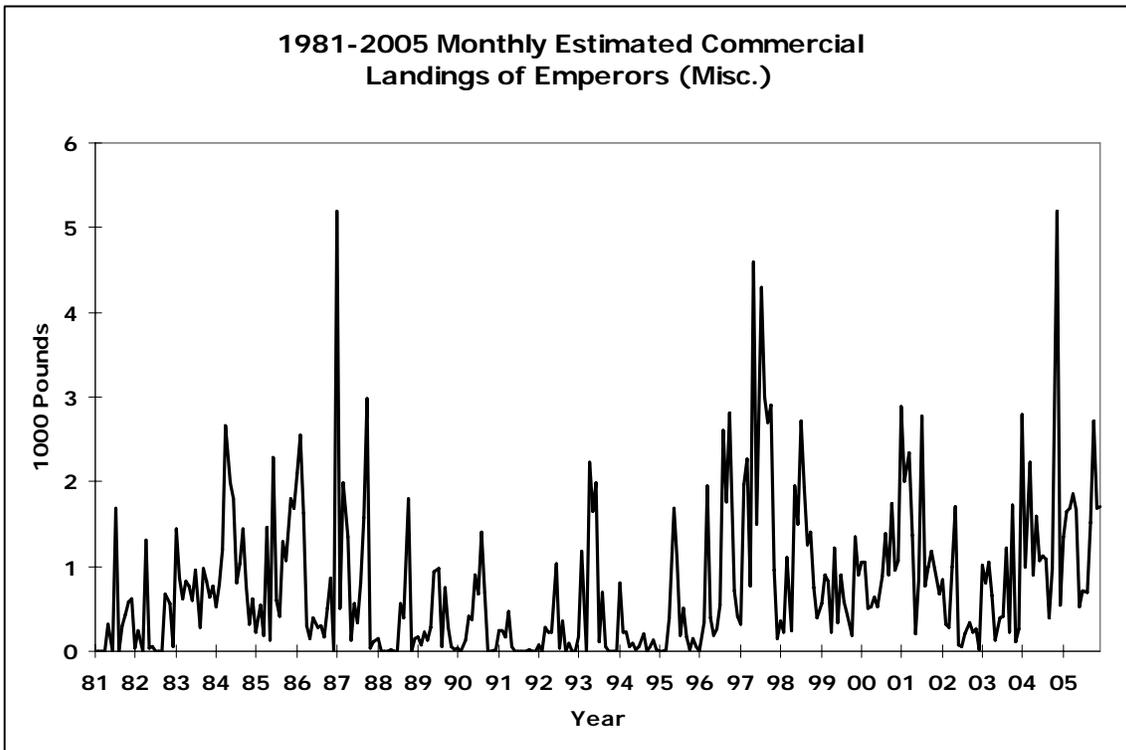


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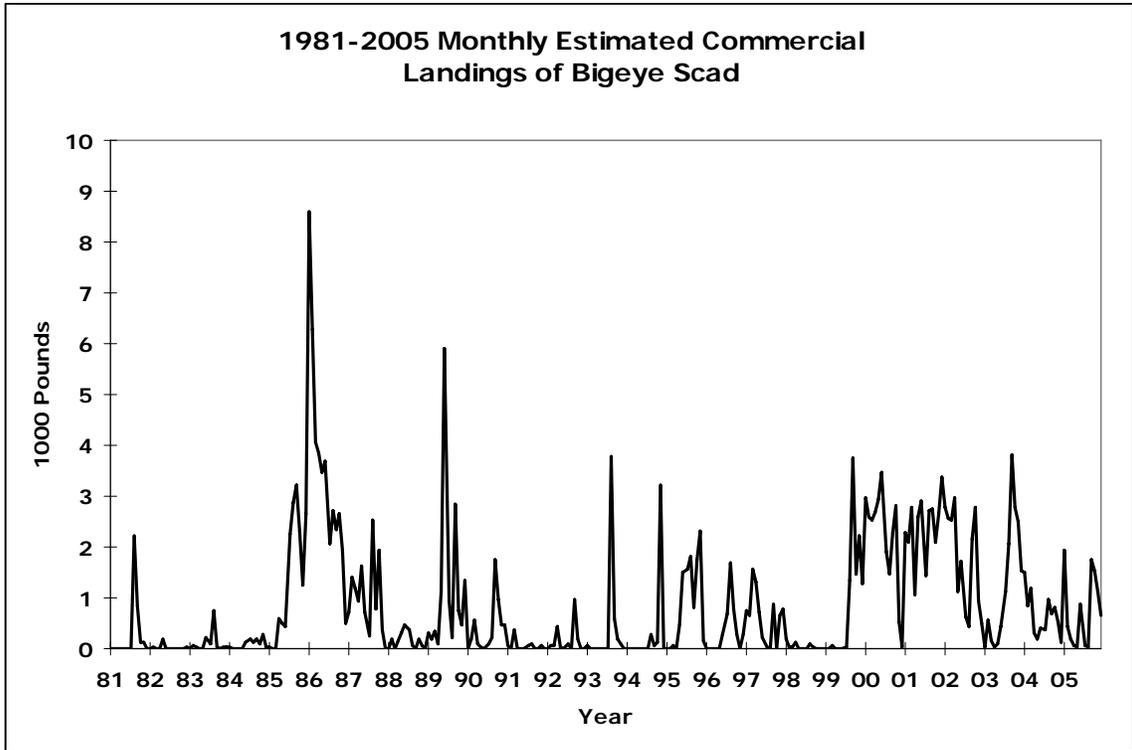


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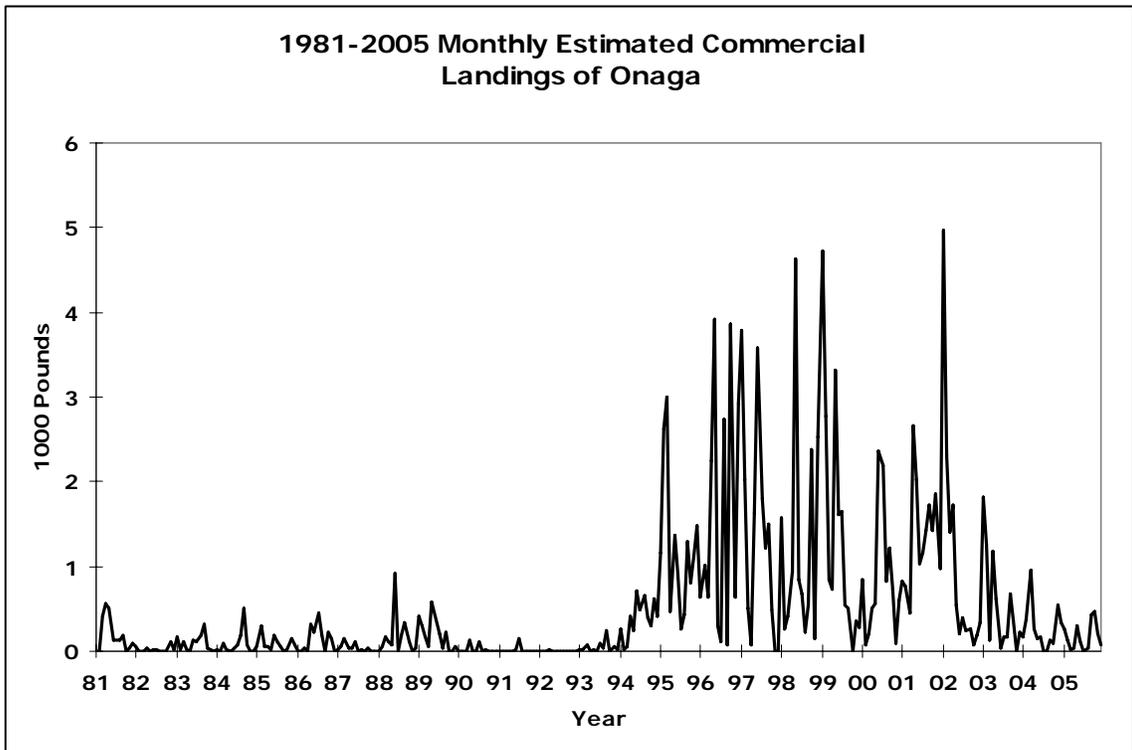


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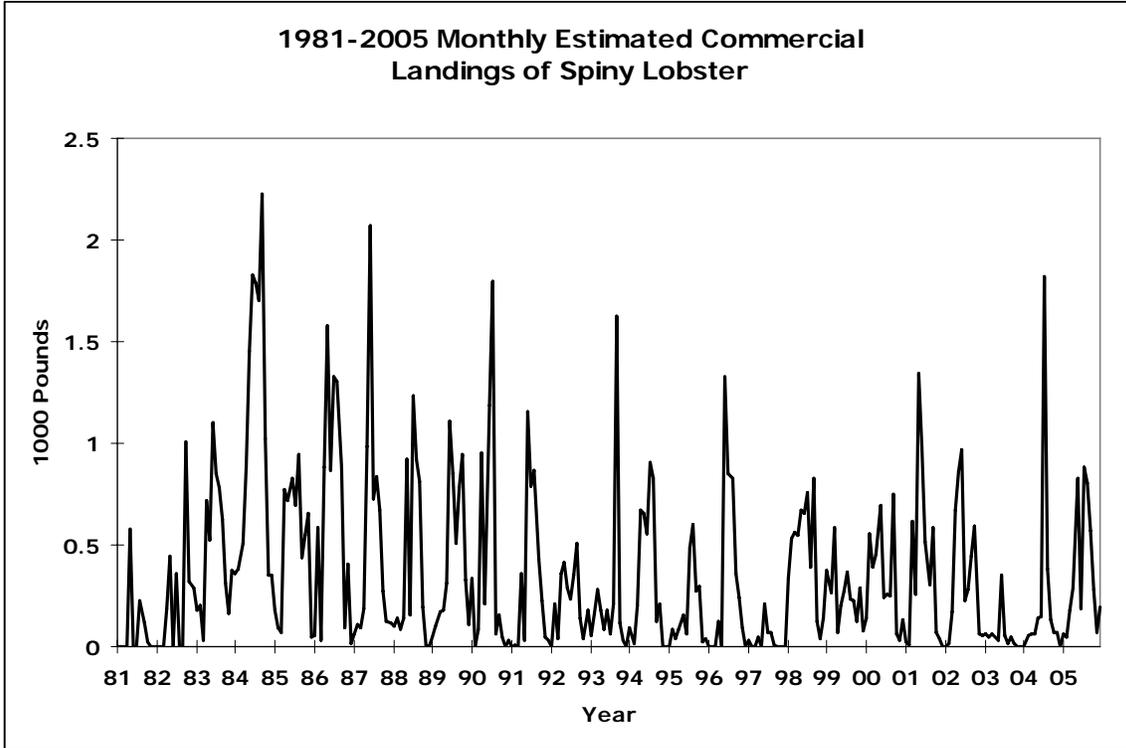


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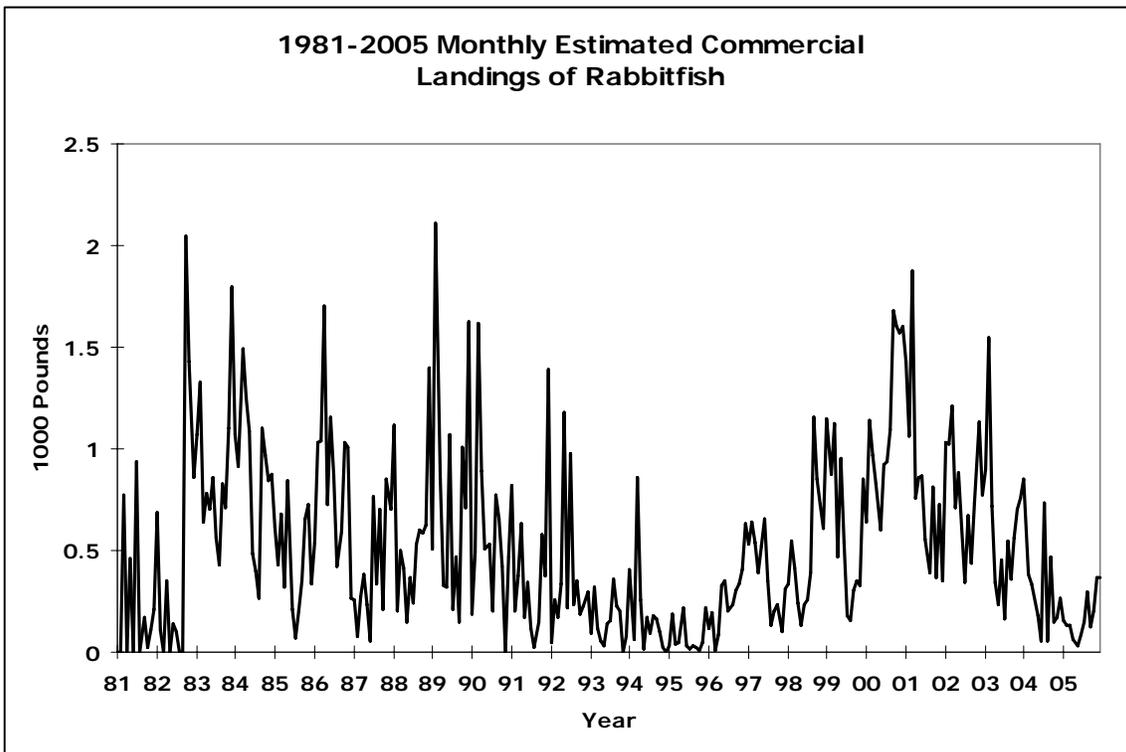


Figure B-4-11