

**COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS  
2001 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 2001 FISHERY STATISTICS

## INTRODUCTION

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

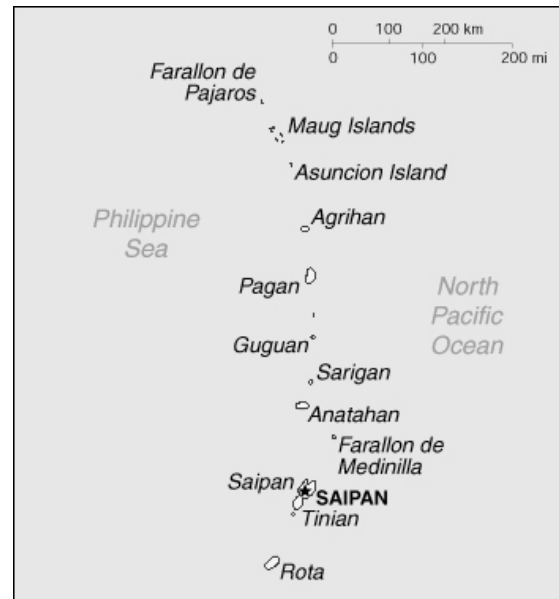
*Main Islands:* Saipan, Rota, Tinian

*Population:* 77,311

*Economy:* tourism, agriculture, garment  
production

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The Division of Fish and Wildlife (DFW) has been collecting fishery statistics on the commercial fishing fleet of Saipan since the mid-1970's. It also began collecting information on vessels transshipping tuna out of Tinian in 1983.



CNMI

source: <<http://www.cia.gov/cia/publications/factbook/cq.html>>;

The World Factbook

The chief domestic commercial fishery of the CNMI is a small boat, one-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. During 2001, 27 vessels were registered as “charter” for their primary use; this was up from 20 vessels the previous year. Also in 2001, 142 boats were registered to fish for subsistence or recreation, and another 121 boats were registered as either part-time or full-time commercial fishing boats.

Trolling is by far 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 exports of fish 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

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 fishermen; 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, it is fairly easy to get complete coverage of the commercial fisheries, and DFW can provide feedback to dealers and fishermen to ensure data accuracy and continued cooperation.

There are some disadvantages: dependency on non-DFW personnel to identify the catch and record the data, restrictions on the types of data that can be collected, education and cooperation of all fish purchasers are required, and recordings of fish actually sold to dealers are limited. 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 over 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 beginning with this volume, 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 fishermen 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 "Purchase" 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 Honolulu Laboratory, 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.



### III.4

The following species, species groups, and abbreviations are used in the tables and graphs of CNMI's data:

#### I. Pelagic Management Unit Species (PMUS)

Although the Magnuson Fishery Conservation and Management Act of 1976 was amended in 1992 to include tunas in the Pacific PMUS (PPMUS), this report series will continue to specify tunas as a separate category from the PPMUS. The PMUS category in this report includes:

Mahimahi (dolphin)  
Marlin  
Shortbill spearfish  
Sailfish  
Wahoo  
Sharks

#### II. Bottomfish Management Unit Species (BMUS)

Jacks (unclassified, but excluding bigeye scad)  
Amberjack  
Bottom fish (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 marlin)  
Shortbill spearfish  
Sailfish

#### IV. Tunas

Tunas (unclassified)  
Skipjack tuna

### III.5

#### IV. Tunas (cont.)

Yellowfin tuna  
Dogtooth tuna

#### V. Other Tuna

The above tunas excluding skipjack and yellowfin tuna

#### VI. Fisheries Categories

##### A. Pelagics

All PMUS and tuna species plus the following:

Troll fish (unclassified)  
Barracuda  
Rainbow runner

##### B. Bottom Fish

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	Eels
Mullet	Invertebrates (unclassified)
Milkfish	Coconut crab
Crabs (unclassified)	Shrimp
Lobster	Squid
Octopus	Seaweeds
Turtle	Imported
Bigeye scad	

## III.6

Table III.1.1

## CNMI 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	28,715	\$77,217	\$2.69
Jacks (Misc.)	3,761	\$11,258	\$2.99
Bottom Fish	17,485	\$47,258	\$2.70
Sickle Pomfret	404	\$719	\$1.78
Alfonsin	40	\$100	\$2.50
Ehu (Red Snapper)	8	\$23	\$3.00
Gindai (Flower Snap)	1,916	\$5,741	\$3.00
Grouper (Misc.)	7,719	\$19,928	\$2.58
Onaga (Red Snapper)	16,358	\$59,661	\$3.65
Opakapaka (Pink Snp)	3,951	\$13,633	\$3.45
Jobfish (Uku)	425	\$1,243	\$2.92
Silvermouth (Deep Lehi)	2,585	\$8,611	\$3.33
Amberjack	21	\$64	\$3.00
Reef Fish	83,024	\$189,370	\$2.28
Wrasse	923	\$2,787	\$3.02
Rabbitfish	10,068	\$34,035	\$3.38
Emperor (Mafute/misc.)	16,987	\$50,943	\$3.00
Squirrelfish	2,135	\$6,859	\$3.21
Parrotfish (Misc.)	28,294	\$90,302	\$3.19
Surgeonfish (Misc.)	5,198	\$15,931	\$3.07
Orangespine Unicornfish	4,500	\$13,943	\$3.10
Unicornfish (Misc.)	12,156	\$37,049	\$3.05
Goatfish (Misc.)	2,945	\$9,134	\$3.10
Troll Fish (Misc.)	229	\$517	\$2.26
Barracuda	4	\$6	\$1.50
Mahimahi	14,229	\$30,609	\$2.15
Blue Marlin	1,924	\$2,702	\$1.40
Sailfish	91	\$183	\$2.00
Rainbow Runner	2,134	\$5,735	\$2.69
Wahoo	4,550	\$10,775	\$2.37
Tunas (Misc.)	223	\$278	\$1.25
Skipjack Tuna	133,884	\$261,924	\$1.96
Dogtooth Tuna	3,472	\$7,258	\$2.09
Yellowfin Tuna	14,543	\$30,735	\$2.11
Saba (Kawakawa)	3,610	\$7,389	\$2.05
Spiny Lobster	4,733	\$27,276	\$5.76
Octopus	704	\$1,757	\$2.50
Shrimp (Saltwater)	6	\$94	\$15.00
<b>TOTAL</b>	<b>433,950</b>	<b>\$1,083,046</b>	<b>\$2.50</b>

## III.7

Table III.1.2

## CNMI January 2001 Estimated Commercial Landings

<u>Species</u>	<u>Pounds</u>	<u>Value</u>	<u>Price/Lb.</u>
Bigeye Scad	2,268	\$6,319	\$2.79
Jacks (Misc.)	172	\$495	\$2.88
Bottom Fish	1,835	\$4,874	\$2.66
Grouper (Misc.)	114	\$341	\$2.98
Onaga (Red Snapper)	829	\$3,202	\$3.86
Opakapaka (Pink Snp)	86	\$293	\$3.41
Silvermouth (Deep Lehi)	163	\$501	\$3.07
Reef Fish	7,745	\$17,607	\$2.27
Wrasse	310	\$930	\$3.00
Rabbitfish	1,428	\$4,682	\$3.28
Emperor (Mafute/misc.)	2,891	\$8,803	\$3.04
Squirrelfish	14	\$41	\$3.00
Parrotfish (Misc.)	1,236	\$3,933	\$3.18
Surgeonfish (Misc.)	98	\$293	\$3.00
Orangespine Unicornfish	294	\$881	\$3.00
Unicornfish (Misc.)	481	\$1,444	\$3.00
Goatfish (Misc.)	170	\$510	\$3.00
Mahimahi	1,038	\$2,268	\$2.18
Rainbow Runner	59	\$170	\$2.86
Wahoo	147	\$315	\$2.14
Skipjack Tuna	8,633	\$19,449	\$2.25
Dogtooth Tuna	337	\$794	\$2.36
Yellowfin Tuna	649	\$1,488	\$2.29
Saba (Kawakawa)	708	\$1,243	\$1.76
Spiny Lobster	21	\$106	\$5.00
Octopus	81	\$202	\$2.50
<b>TOTAL</b>	<b>31,806</b>	<b>\$81,181</b>	<b>\$2.55</b>

## III.8

Table III.1.3

## CNMI February 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,088	\$5,933	\$2.84
Jacks (Misc.)	158	\$507	\$3.22
Bottom Fish	909	\$2,466	\$2.71
Grouper (Misc.)	245	\$835	\$3.41
Onaga (Red Snapper)	776	\$2,816	\$3.63
Opakapaka (Pink Snp)	98	\$268	\$2.75
Silvermouth (Deep Lehi)	61	\$245	\$4.00
Reef Fish	8,870	\$20,230	\$2.28
Wrasse	253	\$758	\$3.00
Rabbitfish	1,065	\$3,573	\$3.35
Emperor (Mafute/misc.)	2,002	\$5,813	\$2.90
Squirrelfish	26	\$66	\$2.50
Parrotfish (Misc.)	1,673	\$5,105	\$3.05
Surgeonfish (Misc.)	69	\$194	\$2.83
Orangespine Unicornfish	205	\$609	\$2.97
Unicornfish (Misc.)	589	\$1,596	\$2.71
Goatfish (Misc.)	218	\$610	\$2.80
Troll Fish (Misc.)	109	\$219	\$2.00
Mahimahi	1,945	\$4,498	\$2.31
Rainbow Runner	317	\$707	\$2.23
Wahoo	328	\$790	\$2.41
Skipjack Tuna	7,299	\$15,944	\$2.18
Dogtooth Tuna	126	\$269	\$2.13
Yellowfin Tuna	1,016	\$2,388	\$2.35
Saba (Kawakawa)	116	\$223	\$1.93
Spiny Lobster	9	\$53	\$6.00
Octopus	70	\$175	\$2.50
<b>TOTAL</b>	<b>30,638</b>	<b>\$76,888</b>	<b>\$2.51</b>

III.9

Table III.1.4

CNMI March 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,767	\$7,854	\$2.84
Jacks (Misc.)	581	\$1,710	\$2.95
Bottom Fish	2,123	\$5,654	\$2.66
Gindai (Flower Snap)	12	\$45	\$3.75
Grouper (Misc.)	185	\$558	\$3.02
Onaga (Red Snapper)	459	\$1,966	\$4.28
Opakapaka (Pink Snp)	203	\$698	\$3.44
Jobfish (Uku)	52	\$160	\$3.11
Silvermouth (Deep Lehi)	228	\$729	\$3.20
Reef Fish	9,453	\$20,966	\$2.22
Wrasse	219	\$666	\$3.04
Rabbitfish	1,876	\$6,420	\$3.42
Emperor (Mafute/misc.)	2,336	\$7,099	\$3.04
Squirrelfish	449	\$1,423	\$3.17
Parrotfish (Misc.)	3,998	\$13,107	\$3.28
Surgeonfish (Misc.)	428	\$1,358	\$3.18
Orangespine Unicornfish	670	\$2,080	\$3.10
Unicornfish (Misc.)	1,054	\$3,283	\$3.12
Goatfish (Misc.)	718	\$2,237	\$3.11
Troll Fish (Misc.)	119	\$298	\$2.50
Mahimahi	6,184	\$13,084	\$2.12
Blue Marlin	55	\$110	\$2.00
Rainbow Runner	415	\$1,326	\$3.19
Wahoo	1,168	\$2,788	\$2.39
Skipjack Tuna	10,757	\$23,664	\$2.20
Dogtooth Tuna	270	\$663	\$2.45
Yellowfin Tuna	881	\$1,874	\$2.13
Saba (Kawakawa)	1,578	\$3,933	\$2.49
Spiny Lobster	614	\$3,627	\$5.90
Octopus	94	\$234	\$2.50
<b>TOTAL</b>	<b>49,945</b>	<b>\$129,611</b>	<b>\$2.60</b>

## III.10

Table III.1.5

## CNMI April 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	1,078	\$2,951	\$2.74
Jacks (Misc.)	1,050	\$3,171	\$3.02
Bottom Fish	2,174	\$6,120	\$2.81
Ehu (Red Snapper)	8	\$23	\$3.00
Gindai (Flower Snap)	383	\$1,078	\$2.82
Grouper (Misc.)	418	\$888	\$2.13
Onaga (Red Snapper)	2,664	\$9,442	\$3.54
Opakapaka (Pink Snp)	219	\$760	\$3.46
Jobfish (Uku)	55	\$150	\$2.73
Silvermouth (Deep Lehi)	700	\$2,292	\$3.27
Reef Fish	5,925	\$13,208	\$2.23
Wrasse	40	\$130	\$3.25
Rabbitfish	758	\$2,608	\$3.44
Emperor (Mafute/misc.)	1,368	\$4,002	\$2.93
Squirrelfish	276	\$893	\$3.23
Parrotfish (Misc.)	2,020	\$6,917	\$3.42
Surgeonfish (Misc.)	141	\$459	\$3.25
Orangespine Unicornfish	476	\$1,501	\$3.15
Unicornfish (Misc.)	651	\$2,117	\$3.25
Goatfish (Misc.)	373	\$1,152	\$3.09
Mahimahi	2,154	\$4,556	\$2.11
Blue Marlin	155	\$291	\$1.88
Sailfish	91	\$183	\$2.00
Rainbow Runner	189	\$486	\$2.58
Wahoo	399	\$935	\$2.34
Skipjack Tuna	12,470	\$25,201	\$2.02
Dogtooth Tuna	303	\$583	\$1.93
Yellowfin Tuna	1,752	\$3,813	\$2.18
Saba (Kawakawa)	264	\$507	\$1.92
Spiny Lobster	255	\$1,386	\$5.43
Octopus	148	\$369	\$2.50
<b>TOTAL</b>	<b>38,954</b>	<b>\$98,171</b>	<b>\$2.52</b>

## III.11

Table III.1.6

## CNMI May 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,597	\$6,879	\$2.65
Jacks (Misc.)	305	\$966	\$3.17
Bottom Fish	3,444	\$9,393	\$2.73
Gindai (Flower Snap)	339	\$990	\$2.92
Grouper (Misc.)	1,998	\$5,125	\$2.57
Onaga (Red Snapper)	2,031	\$7,293	\$3.59
Opakapaka (Pink Snp)	470	\$1,625	\$3.46
Jobfish (Uku)	24	\$59	\$2.50
Silvermouth (Deep Lehi)	23	\$60	\$2.59
Reef Fish	8,809	\$20,022	\$2.27
Rabbitfish	863	\$3,000	\$3.48
Emperor (Mafute/misc.)	202	\$483	\$2.40
Squirrelfish	297	\$965	\$3.25
Parrotfish (Misc.)	3,622	\$11,704	\$3.23
Surgeonfish (Misc.)	688	\$2,126	\$3.09
Orangespine Unicornfish	490	\$1,548	\$3.16
Unicornfish (Misc.)	1,450	\$4,477	\$3.09
Goatfish (Misc.)	294	\$926	\$3.15
Barracuda	4	\$6	\$1.50
Mahimahi	296	\$625	\$2.11
Rainbow Runner	156	\$299	\$1.92
Wahoo	134	\$290	\$2.16
Tunas (Misc.)	223	\$278	\$1.25
Skipjack Tuna	10,707	\$17,920	\$1.67
Dogtooth Tuna	204	\$366	\$1.79
Yellowfin Tuna	701	\$1,438	\$2.05
Saba (Kawakawa)	200	\$272	\$1.36
Spiny Lobster	1,344	\$7,491	\$5.57
Octopus	57	\$143	\$2.50
<b>TOTAL</b>	<b>41,971</b>	<b>\$106,771</b>	<b>\$2.54</b>



## III.12

Table III.1.7

## CNMI June 2001 Estimated Commercial Landings

<u>Species</u>	<u>Pounds</u>	<u>Value</u>	<u>Price/Lb.</u>
Bigeye Scad	2,913	\$8,175	\$2.81
Jacks (Misc.)	397	\$1,156	\$2.91
Bottom Fish	2,310	\$6,100	\$2.64
Gindai (Flower Snap)	250	\$790	\$3.16
Grouper (Misc.)	525	\$1,435	\$2.73
Onaga (Red Snapper)	1,036	\$3,962	\$3.83
Opakapaka (Pink Snp)	241	\$778	\$3.22
Silvermouth (Deep Lehi)	299	\$1,061	\$3.55
Reef Fish	6,963	\$15,915	\$2.29
Rabbitfish	867	\$3,014	\$3.48
Emperor (Mafute/misc.)	837	\$2,373	\$2.84
Squirrelfish	269	\$873	\$3.25
Parrotfish (Misc.)	3,026	\$9,716	\$3.21
Surgeonfish (Misc.)	956	\$2,920	\$3.05
Orangespine Unicornfish	584	\$1,784	\$3.06
Unicornfish (Misc.)	1,688	\$5,197	\$3.08
Goatfish (Misc.)	276	\$896	\$3.25
Mahimahi	80	\$181	\$2.27
Rainbow Runner	213	\$546	\$2.57
Wahoo	161	\$387	\$2.41
Skipjack Tuna	10,564	\$16,697	\$1.58
Dogtooth Tuna	706	\$1,501	\$2.12
Yellowfin Tuna	1,223	\$2,480	\$2.03
Saba (Kawakawa)	81	\$81	\$1.00
Spiny Lobster	976	\$5,782	\$5.93
<b>TOTAL</b>	<b>37,437</b>	<b>\$93,800</b>	<b>\$2.51</b>

## III.13

Table III.1.8

## CNMI July 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	1,433	\$3,931	\$2.74
Jacks (Misc.)	213	\$586	\$2.75
Bottom Fish	621	\$1,611	\$2.60
Sickle Pomfret	261	\$460	\$1.76
Gindai (Flower Snap)	280	\$849	\$3.03
Grouper (Misc.)	360	\$1,008	\$2.80
Onaga (Red Snapper)	1,160	\$4,584	\$3.95
Opakapaka (Pink Snp)	897	\$3,175	\$3.54
Jobfish (Uku)	23	\$48	\$2.11
Silvermouth (Deep Lehi)	81	\$239	\$2.97
Reef Fish	5,464	\$12,632	\$2.31
Rabbitfish	557	\$1,985	\$3.57
Emperor (Mafute/misc.)	2,781	\$7,825	\$2.81
Squirrelfish	276	\$898	\$3.25
Parrotfish (Misc.)	3,163	\$9,952	\$3.15
Surgeonfish (Misc.)	335	\$1,023	\$3.05
Orangespine Unicornfish	234	\$733	\$3.13
Unicornfish (Misc.)	1,369	\$4,135	\$3.02
Goatfish (Misc.)	268	\$846	\$3.16
Mahimahi	18	\$35	\$2.00
Rainbow Runner	291	\$735	\$2.53
Skipjack Tuna	13,065	\$24,642	\$1.89
Dogtooth Tuna	304	\$644	\$2.12
Yellowfin Tuna	1,767	\$3,463	\$1.96
Saba (Kawakawa)	123	\$165	\$1.34
Spiny Lobster	514	\$3,100	\$6.03
Octopus	9	\$20	\$2.25
<b>TOTAL</b>	<b>35,863</b>	<b>\$89,323</b>	<b>\$2.49</b>

## III.14

Table III.1.9

## CNMI August 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,720	\$7,392	\$2.72
Jacks (Misc.)	147	\$452	\$3.08
Bottom Fish	290	\$795	\$2.74
Sickle Pomfret	143	\$259	\$1.82
Gindai (Flower Snap)	254	\$726	\$2.86
Grouper (Misc.)	1,560	\$4,043	\$2.59
Onaga (Red Snapper)	1,426	\$5,144	\$3.61
Opakapaka (Pink Snp)	406	\$1,451	\$3.58
Jobfish (Uku)	72	\$216	\$3.00
Silvermouth (Deep Lehi)	52	\$189	\$3.64
Reef Fish	4,515	\$11,131	\$2.47
Wrasse	101	\$304	\$3.00
Rabbitfish	393	\$1,355	\$3.45
Emperor (Mafute/misc.)	766	\$2,538	\$3.31
Squirrelfish	150	\$488	\$3.25
Parrotfish (Misc.)	2,205	\$7,015	\$3.18
Surgeonfish (Misc.)	383	\$1,160	\$3.03
Orangespine Unicornfish	381	\$1,181	\$3.10
Unicornfish (Misc.)	1,155	\$3,523	\$3.05
Goatfish (Misc.)	165	\$526	\$3.18
Mahimahi	13	\$31	\$2.50
Blue Marlin	150	\$300	\$2.00
Rainbow Runner	144	\$413	\$2.87
Wahoo	24	\$49	\$2.00
Skipjack Tuna	12,754	\$24,749	\$1.94
Dogtooth Tuna	356	\$713	\$2.00
Yellowfin Tuna	938	\$1,845	\$1.97
Saba (Kawakawa)	225	\$316	\$1.40
Spiny Lobster	308	\$1,812	\$5.88
<b>TOTAL</b>	<b>32,197</b>	<b>\$80,111</b>	<b>\$2.49</b>

## III.15

Table III.1.10

CNMI September 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,727	\$7,144	\$2.62
Jacks (Misc.)	284	\$841	\$2.96
Bottom Fish	2,066	\$5,585	\$2.70
Alfonsin	40	\$100	\$2.50
Gindai (Flower Snap)	28	\$103	\$3.75
Grouper (Misc.)	656	\$1,551	\$2.36
Onaga (Red Snapper)	1,726	\$5,716	\$3.31
Opakapaka (Pink Snp)	620	\$2,120	\$3.42
Jobfish (Uku)	68	\$207	\$3.07
Silvermouth (Deep Lehi)	80	\$207	\$2.59
Reef Fish	8,242	\$18,630	\$2.26
Rabbitfish	813	\$2,783	\$3.42
Emperor (Mafute/misc.)	985	\$3,137	\$3.18
Squirrelfish	218	\$698	\$3.21
Parrotfish (Misc.)	3,080	\$9,648	\$3.13
Surgeonfish (Misc.)	808	\$2,477	\$3.07
Orangespine Unicornfish	450	\$1,409	\$3.13
Unicornfish (Misc.)	1,383	\$4,214	\$3.05
Goatfish (Misc.)	179	\$572	\$3.19
Mahimahi	73	\$145	\$2.00
Blue Marlin	719	\$927	\$1.29
Rainbow Runner	169	\$481	\$2.85
Wahoo	316	\$720	\$2.28
Skipjack Tuna	13,257	\$24,822	\$1.87
Dogtooth Tuna	326	\$625	\$1.92
Yellowfin Tuna	995	\$1,943	\$1.95
Saba (Kawakawa)	199	\$398	\$2.00
Spiny Lobster	586	\$3,274	\$5.59
Octopus	127	\$318	\$2.50
<b>TOTAL</b>	<b>41,216</b>	<b>\$100,793</b>	<b>\$2.45</b>

## III.16

Table III.1.11

## CNMI October 2001 Estimated Commercial Landings

<u>Species</u>	<u>Pounds</u>	<u>Value</u>	<u>Price/Lb.</u>
Bigeye Scad	2,066	\$4,746	\$2.30
Jacks (Misc.)	188	\$546	\$2.91
Bottom Fish	438	\$1,182	\$2.70
Gindai (Flower Snap)	35	\$131	\$3.75
Grouper (Misc.)	481	\$1,238	\$2.57
Onaga (Red Snapper)	1,427	\$5,344	\$3.74
Opakapaka (Pink Snp)	381	\$1,281	\$3.36
Jobfish (Uku)	16	\$49	\$3.00
Silvermouth (Deep Lehi)	208	\$735	\$3.53
Amberjack	21	\$64	\$3.00
Reef Fish	7,209	\$16,058	\$2.23
Rabbitfish	368	\$1,224	\$3.32
Emperor (Mafute/misc.)	1,179	\$3,808	\$3.23
Squirrelfish	129	\$414	\$3.22
Parrotfish (Misc.)	2,045	\$6,398	\$3.13
Surgeonfish (Misc.)	630	\$1,918	\$3.04
Orangespine Unicornfish	416	\$1,295	\$3.11
Unicornfish (Misc.)	1,169	\$3,552	\$3.04
Goatfish (Misc.)	198	\$577	\$2.91
Mahimahi	500	\$1,098	\$2.20
Rainbow Runner	70	\$239	\$3.41
Wahoo	382	\$834	\$2.18
Skipjack Tuna	10,301	\$20,136	\$1.95
Dogtooth Tuna	174	\$369	\$2.12
Yellowfin Tuna	877	\$1,816	\$2.07
Spiny Lobster	68	\$421	\$6.21
Octopus	36	\$89	\$2.50
<u>TOTAL</u>	<u>31,012</u>	<u>\$75,561</u>	<u>\$2.44</u>

## III.17

Table III.1.12

CNMI November 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	2,666	\$6,126	\$2.30
Jacks (Misc.)	233	\$718	\$3.09
Bottom Fish	742	\$1,965	\$2.65
Gindai (Flower Snap)	202	\$612	\$3.03
Grouper (Misc.)	398	\$956	\$2.40
Onaga (Red Snapper)	1,858	\$6,543	\$3.52
Opakapaka (Pink Snp)	196	\$718	\$3.66
Jobfish (Uku)	88	\$261	\$2.96
Silvermouth (Deep Lehi)	589	\$2,014	\$3.42
Reef Fish	6,035	\$13,765	\$2.28
Rabbitfish	729	\$2,323	\$3.19
Emperor (Mafute/misc.)	975	\$3,224	\$3.31
Squirrelfish	26	\$85	\$3.25
Parrotfish (Misc.)	1,913	\$5,851	\$3.06
Surgeonfish (Misc.)	531	\$1,604	\$3.02
Orangespine Unicornfish	246	\$759	\$3.08
Unicornfish (Misc.)	914	\$2,758	\$3.02
Goatfish (Misc.)	60	\$192	\$3.20
Mahimahi	668	\$1,382	\$2.07
Blue Marlin	181	\$272	\$1.50
Rainbow Runner	70	\$228	\$3.25
Wahoo	313	\$658	\$2.10
Skipjack Tuna	13,855	\$26,772	\$1.93
Dogtooth Tuna	231	\$444	\$1.92
Yellowfin Tuna	1,212	\$2,589	\$2.14
Saba (Kawakawa)	56	\$113	\$2.00
Spiny Lobster	38	\$225	\$5.90
Octopus	35	\$87	\$2.50
Shrimp (Saltwater)	6	\$94	\$15.00
<b>TOTAL</b>	<b>35,066</b>	<b>\$83,336</b>	<b>\$2.38</b>

## III.18

Table III.1.13

CNMI December 2001 Estimated Commercial Landings

Species	Pounds	Value	Price/Lb.
Bigeye Scad	3,392	\$9,768	\$2.88
Jacks (Misc.)	35	\$109	\$3.12
Bottom Fish	533	\$1,512	\$2.84
Gindai (Flower Snap)	134	\$416	\$3.11
Grouper (Misc.)	779	\$1,950	\$2.50
Onaga (Red Snapper)	967	\$3,649	\$3.78
Opakapaka (Pink Snp)	134	\$467	\$3.48
Jobfish (Uku)	29	\$93	\$3.25
Silvermouth (Deep Lehi)	100	\$339	\$3.39
Reef Fish	3,794	\$9,205	\$2.43
Rabbitfish	353	\$1,068	\$3.03
Emperor (Mafute/misc.)	666	\$1,839	\$2.76
Squirrelfish	5	\$16	\$3.25
Parrotfish (Misc.)	313	\$958	\$3.06
Surgeonfish (Misc.)	133	\$399	\$3.01
Orangespine Unicornfish	54	\$164	\$3.05
Unicornfish (Misc.)	254	\$753	\$2.97
Goatfish (Misc.)	26	\$92	\$3.48
Mahimahi	1,263	\$2,707	\$2.14
Blue Marlin	664	\$802	\$1.21
Rainbow Runner	42	\$105	\$2.50
Wahoo	1,178	\$3,010	\$2.56
Skipjack Tuna	10,222	\$21,928	\$2.15
Dogtooth Tuna	135	\$289	\$2.14
Yellowfin Tuna	2,531	\$5,600	\$2.21
Saba (Kawakawa)	61	\$141	\$2.30
Octopus	48	\$120	\$2.50
<b>TOTAL</b>	<b>27,843</b>	<b>\$67,501</b>	<b>\$2.42</b>

Figure III.1.1

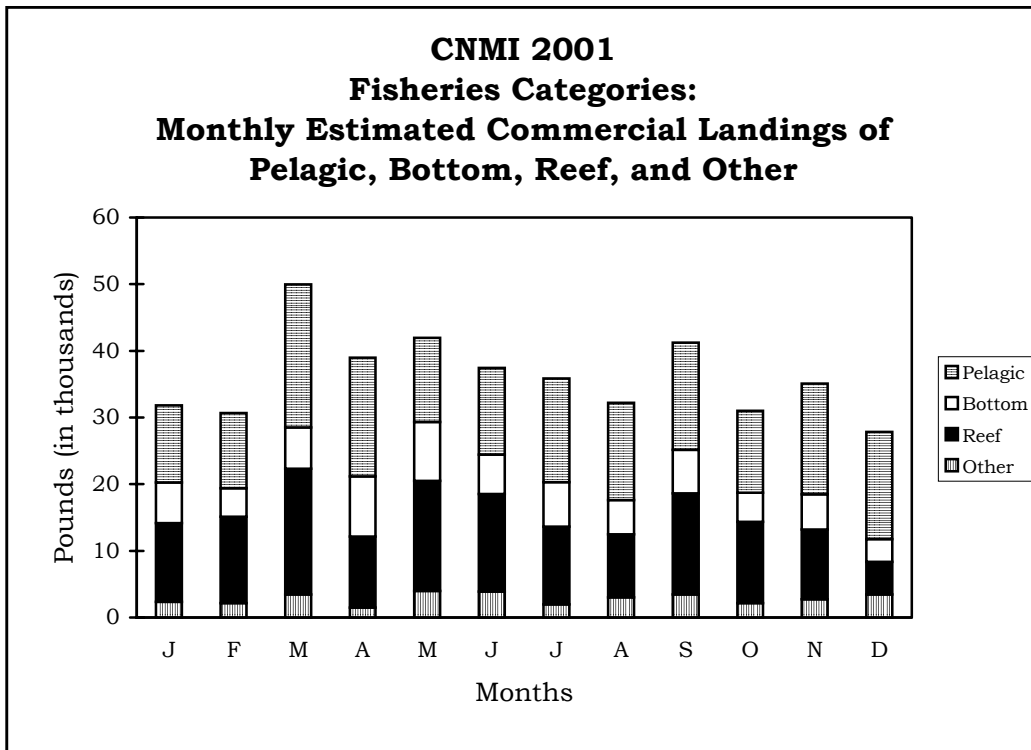


Figure III.1.2

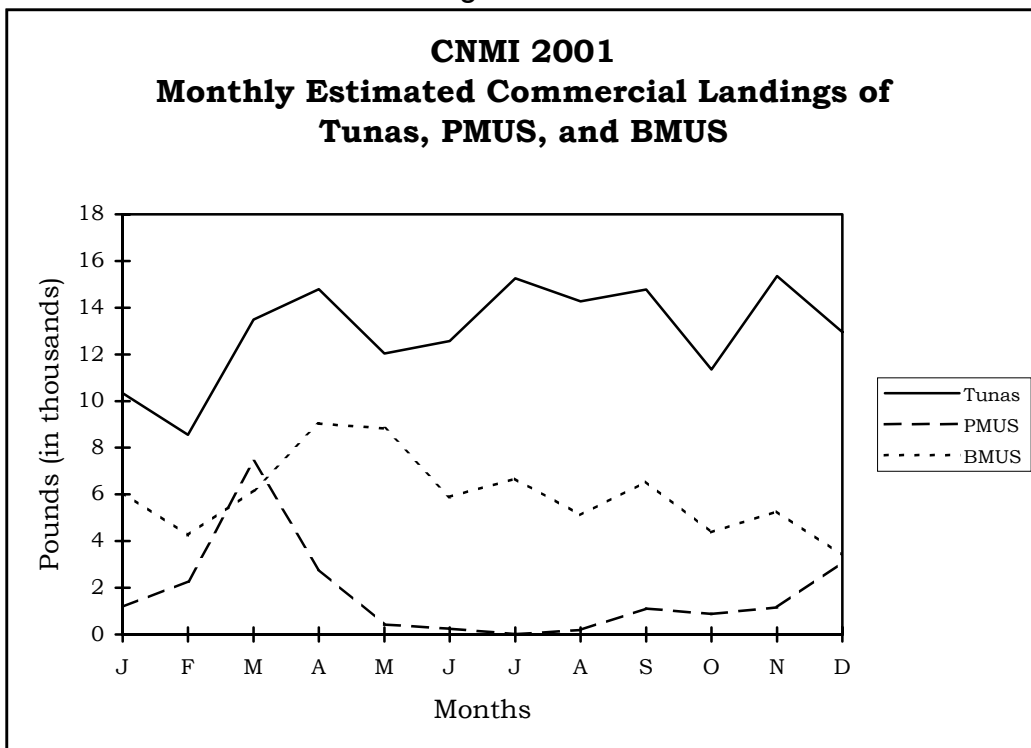




Figure III.1.3

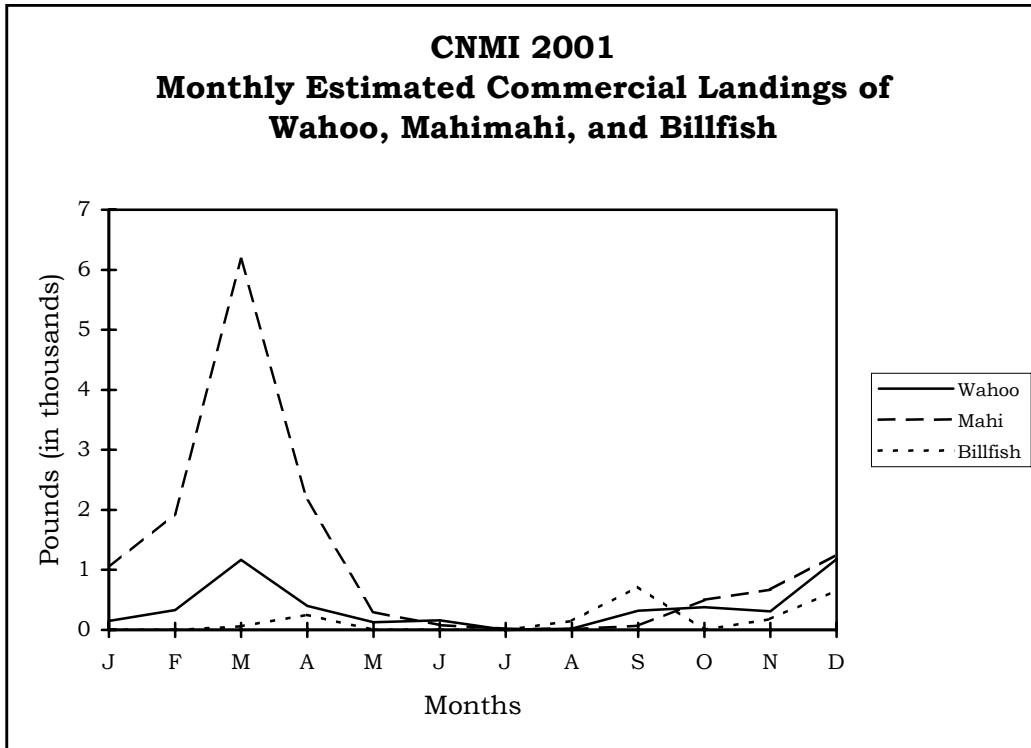


Figure III.1.4

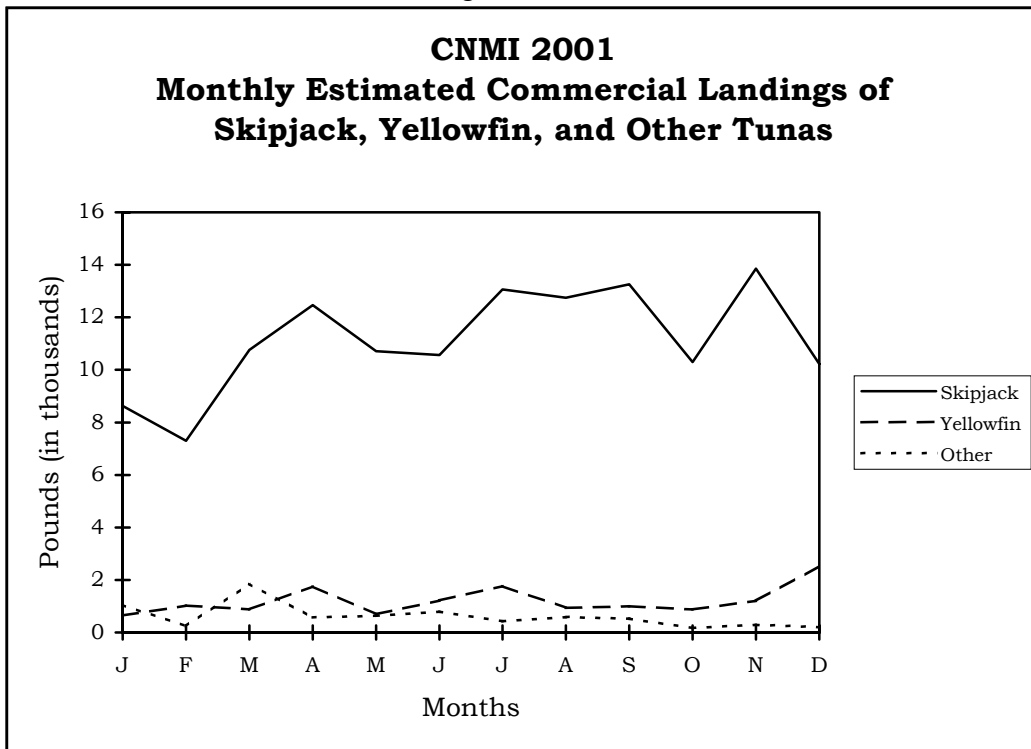


Figure III.1.5

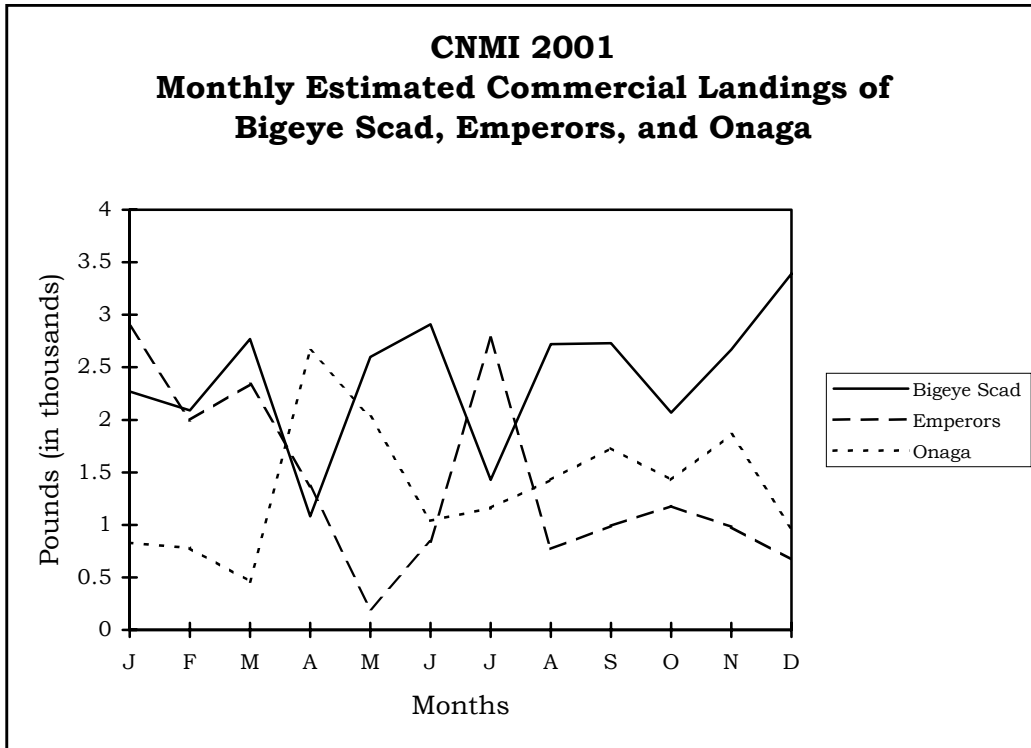


Figure III.2.1

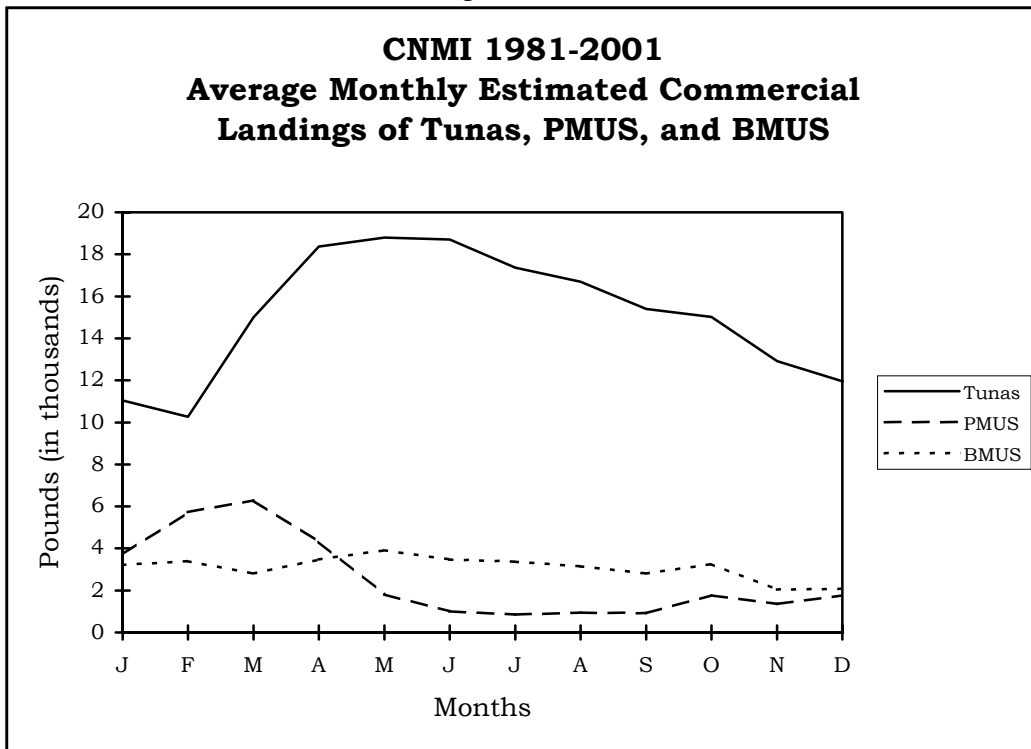


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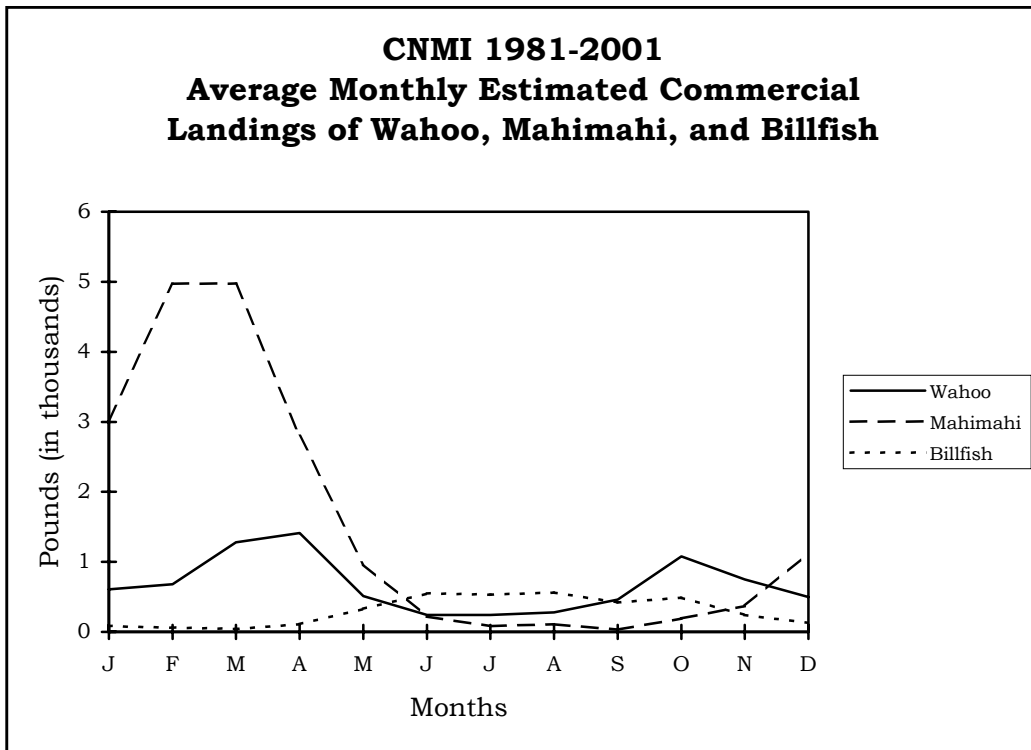


Figure III.2.3

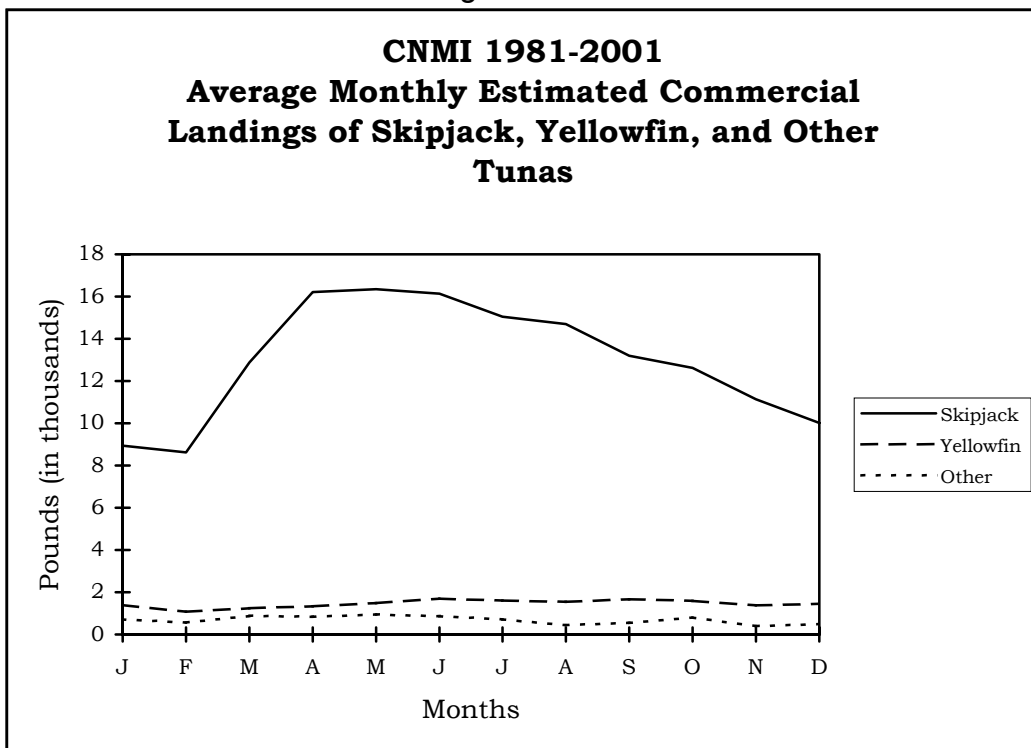


Figure III.2.4

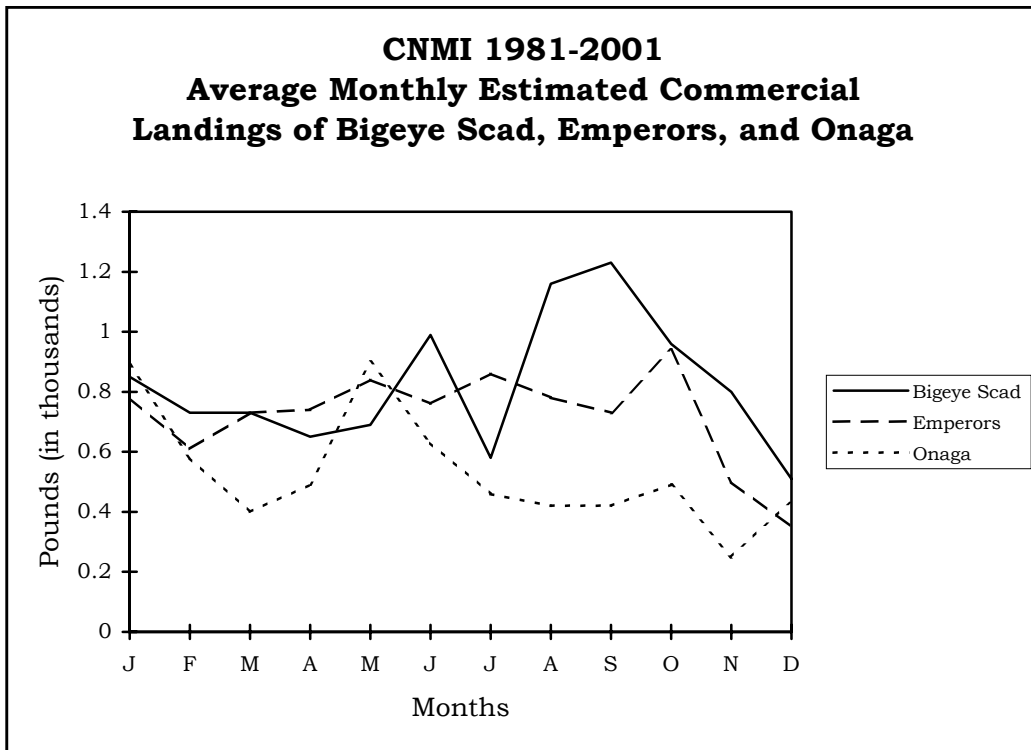


Figure III.2.5

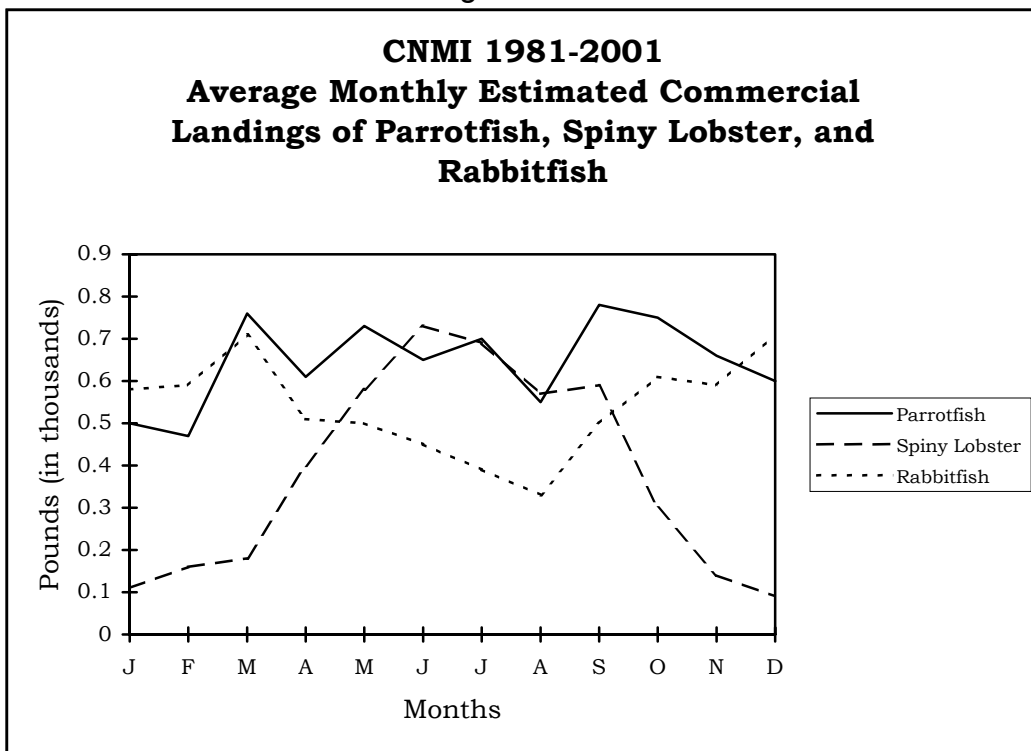


Figure III.3.1

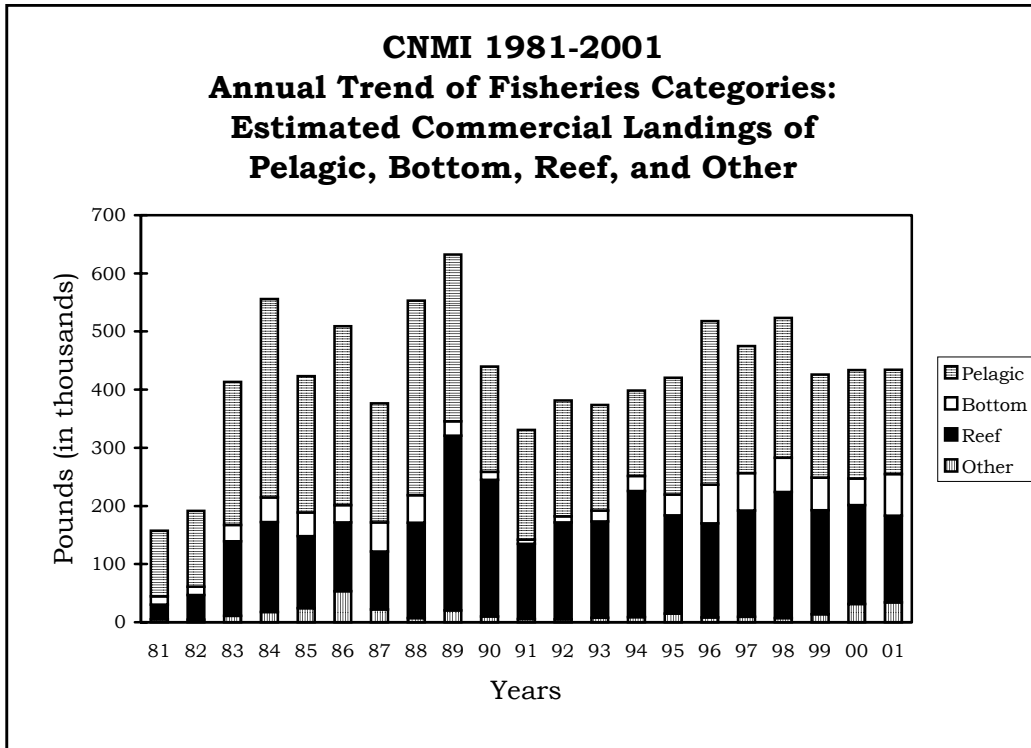


Figure III.3.2

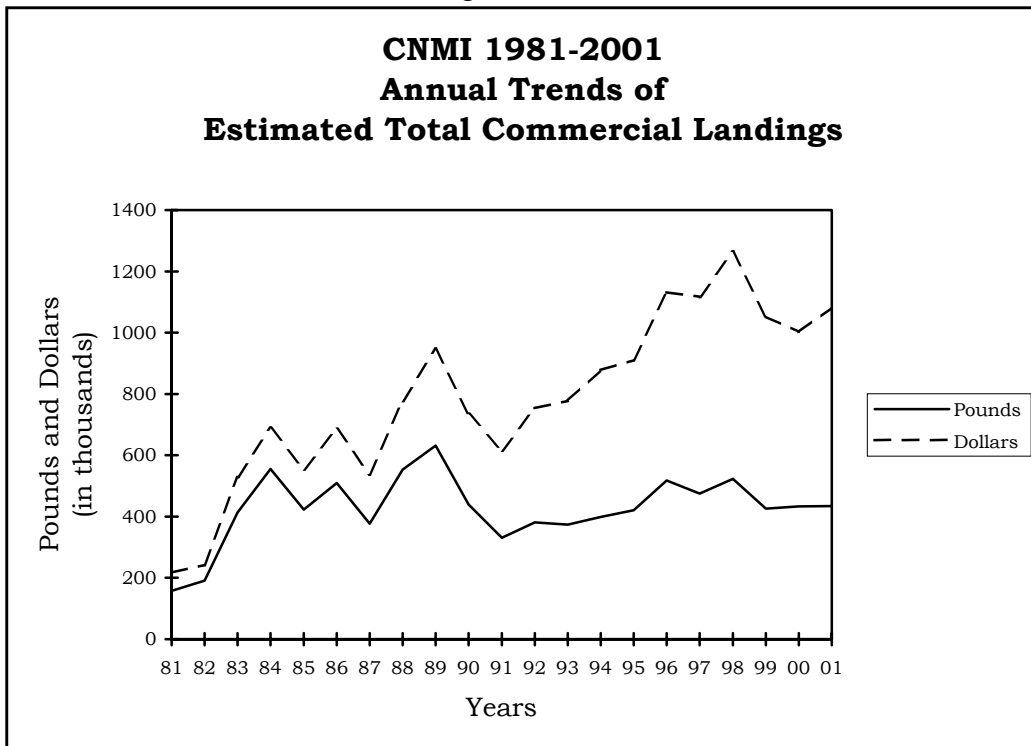


Figure III.3.3

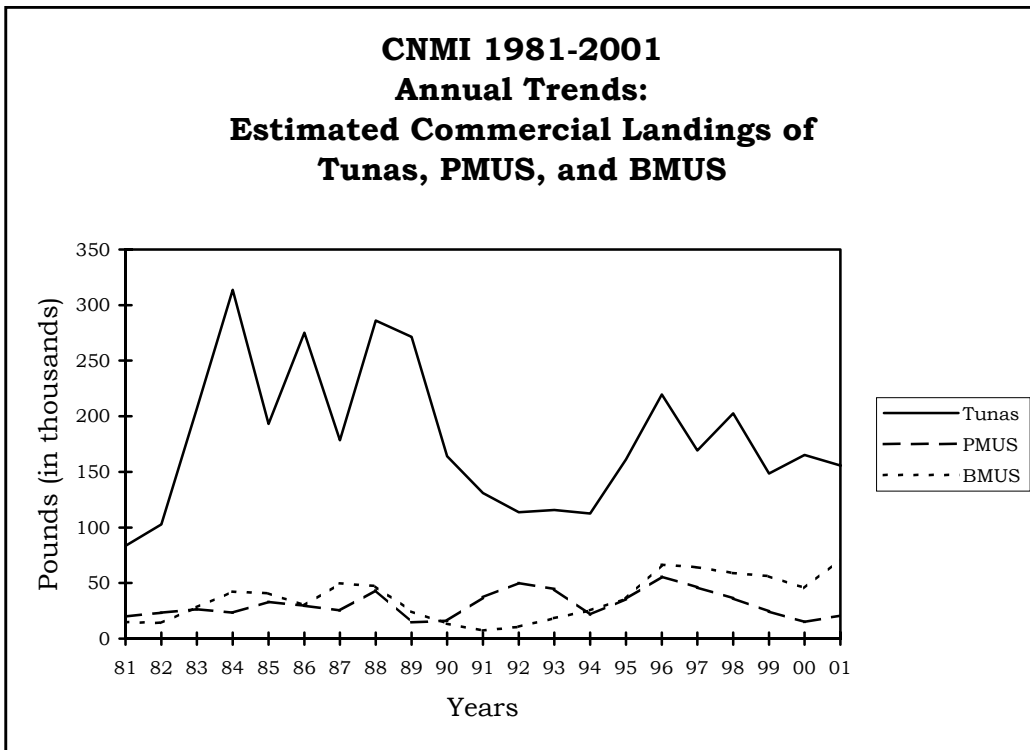


Figure III.3.4

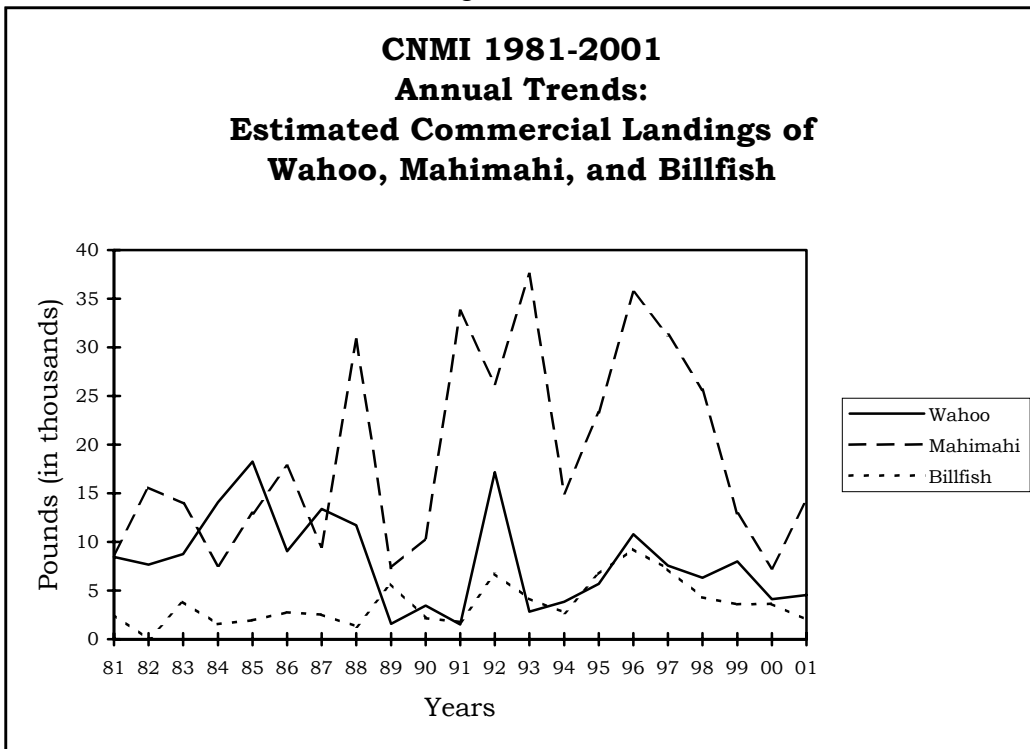


Figure III.3.5

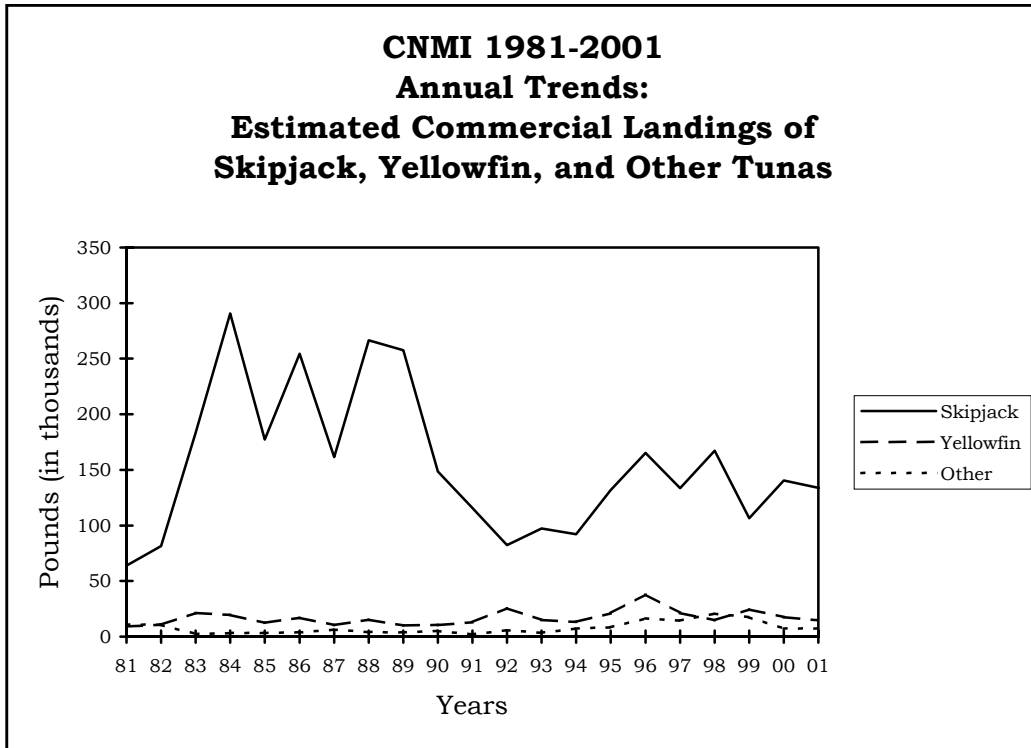


Figure III.3.6

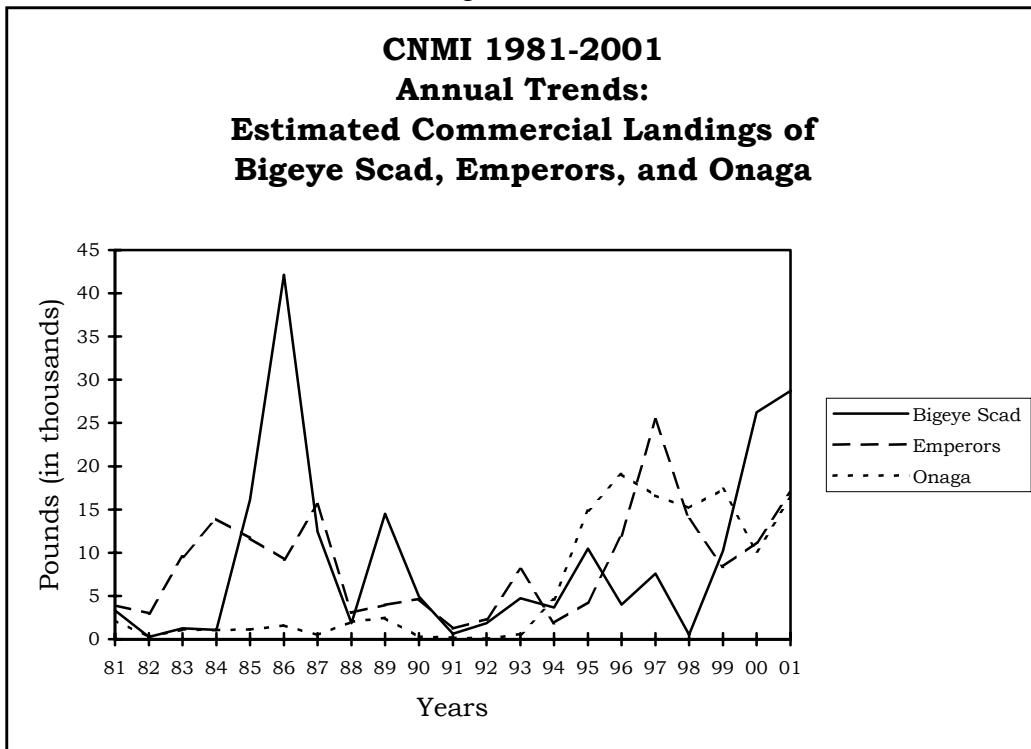


Figure III.3.7

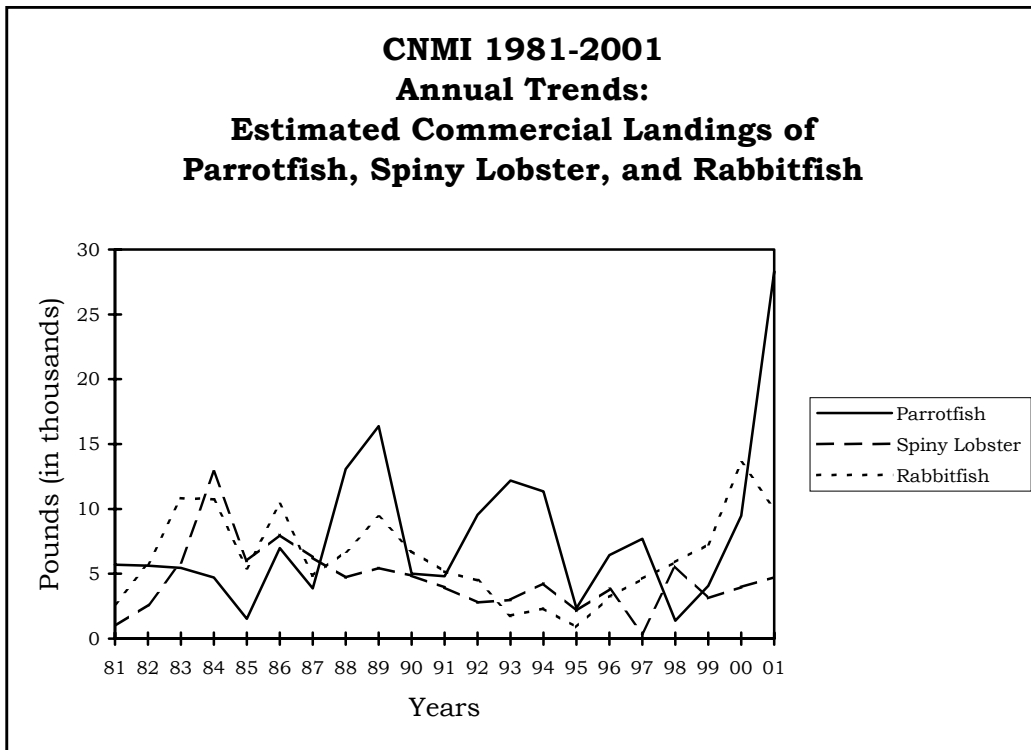


Figure III.4.1

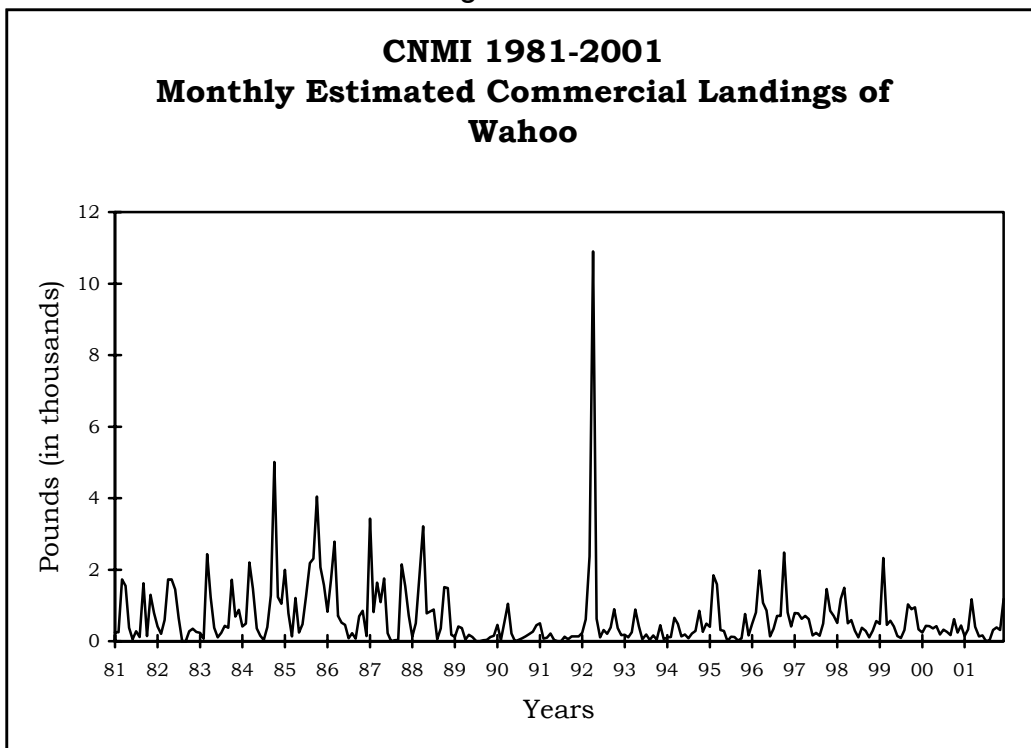




Figure III.4.2

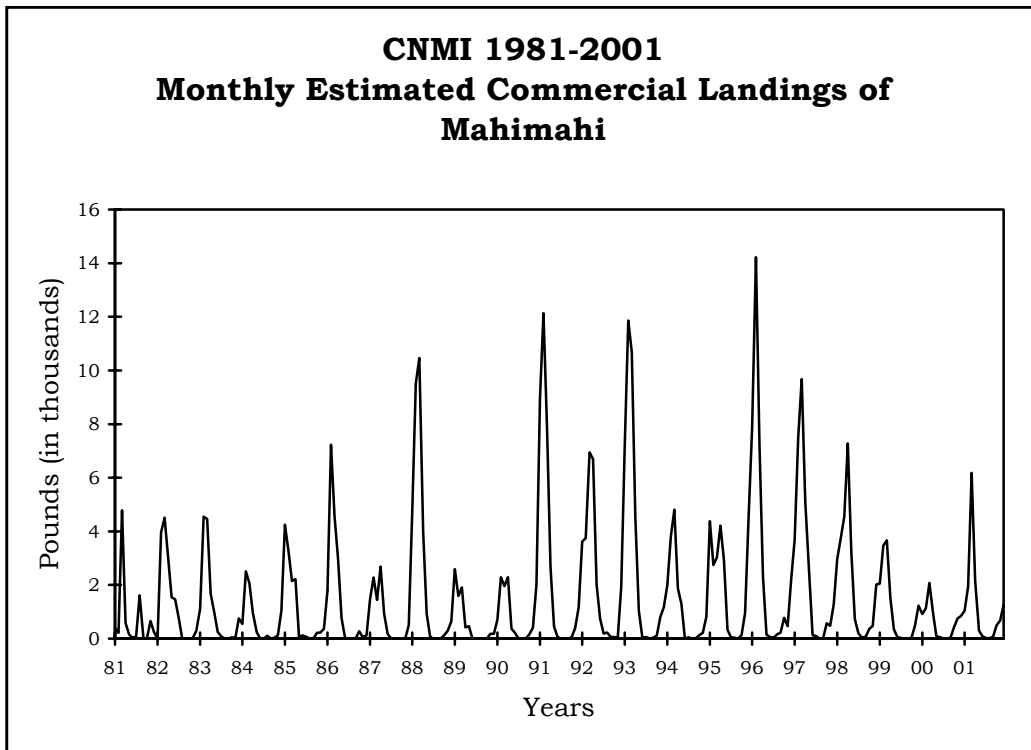


Figure III.4.3

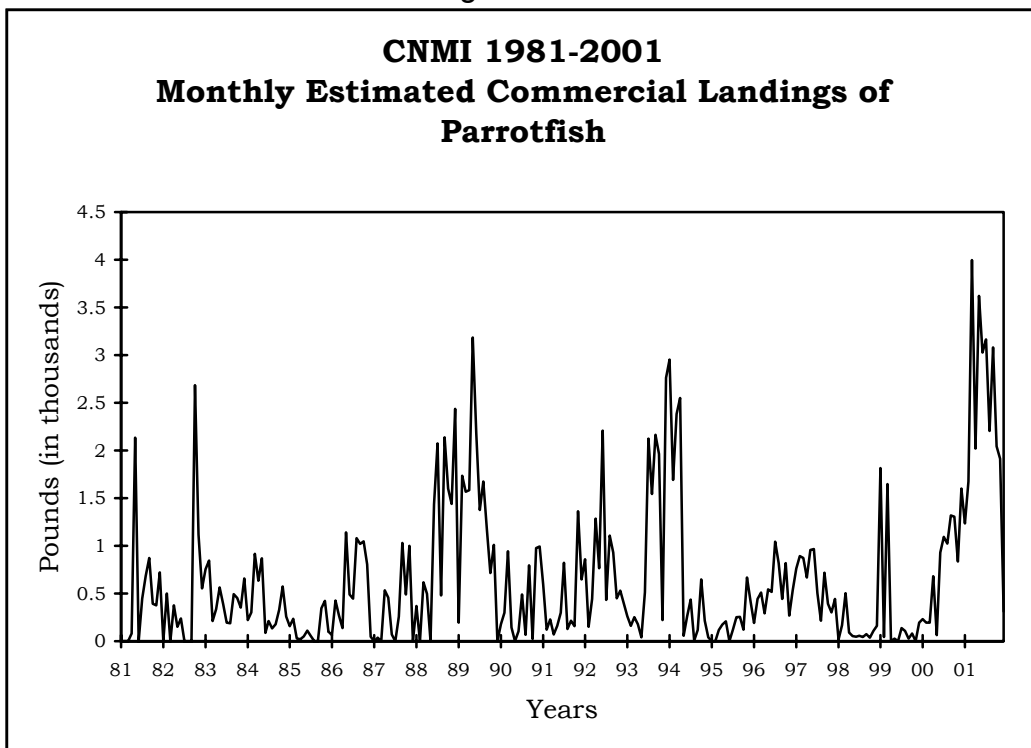


Figure III.4.4

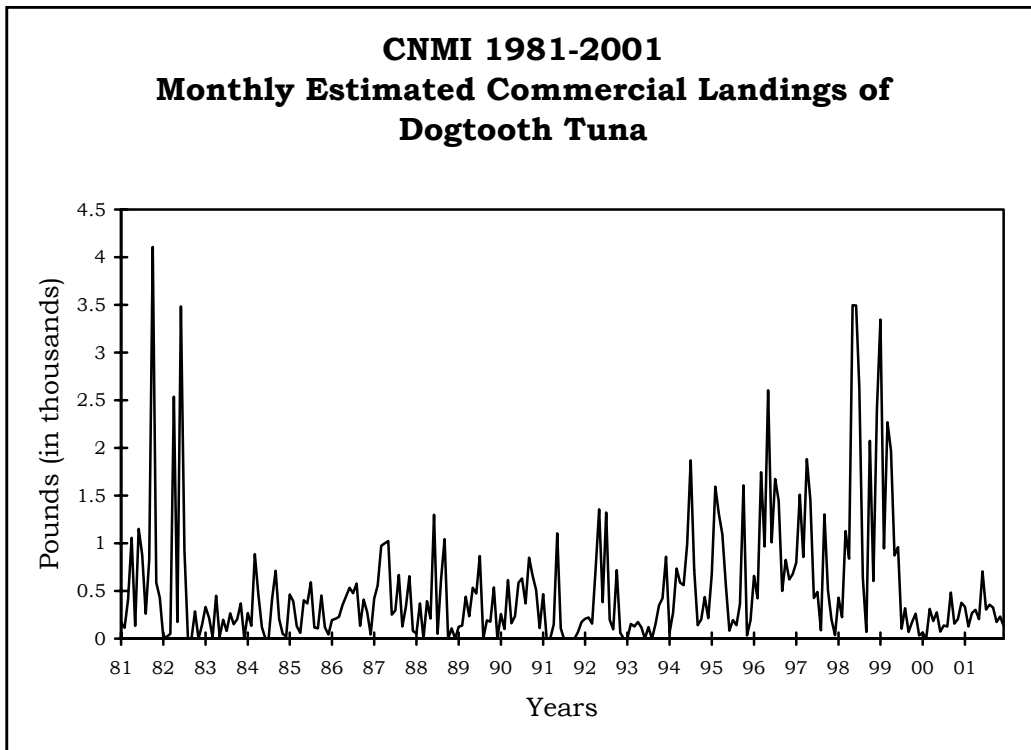


Figure III.4.5

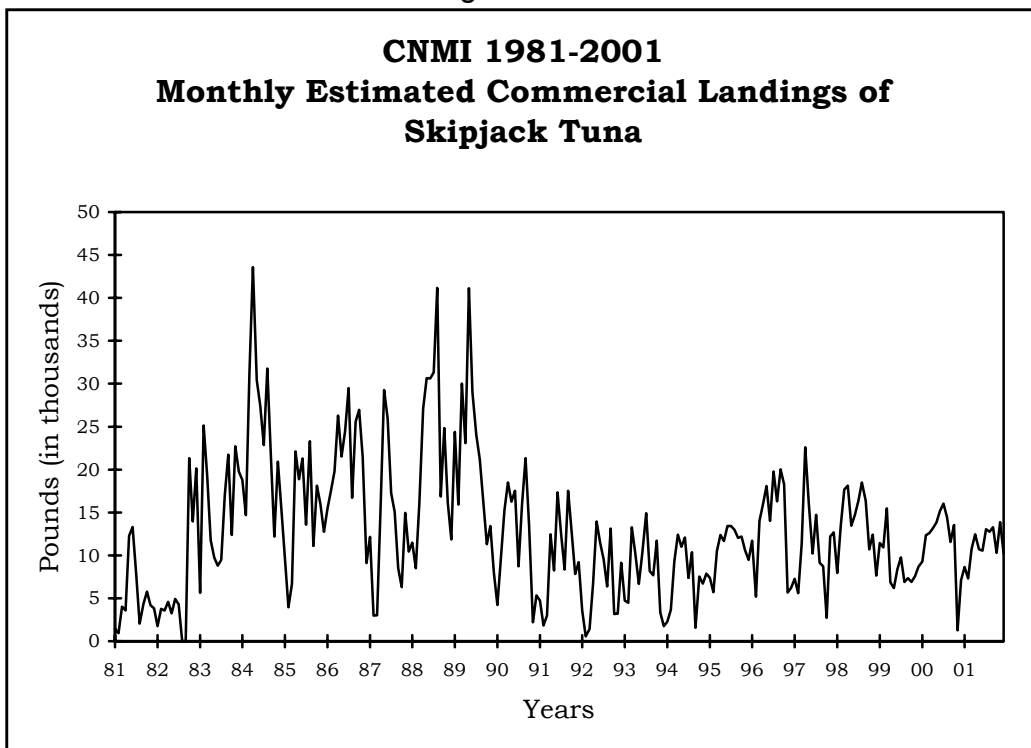


Figure III.4.6

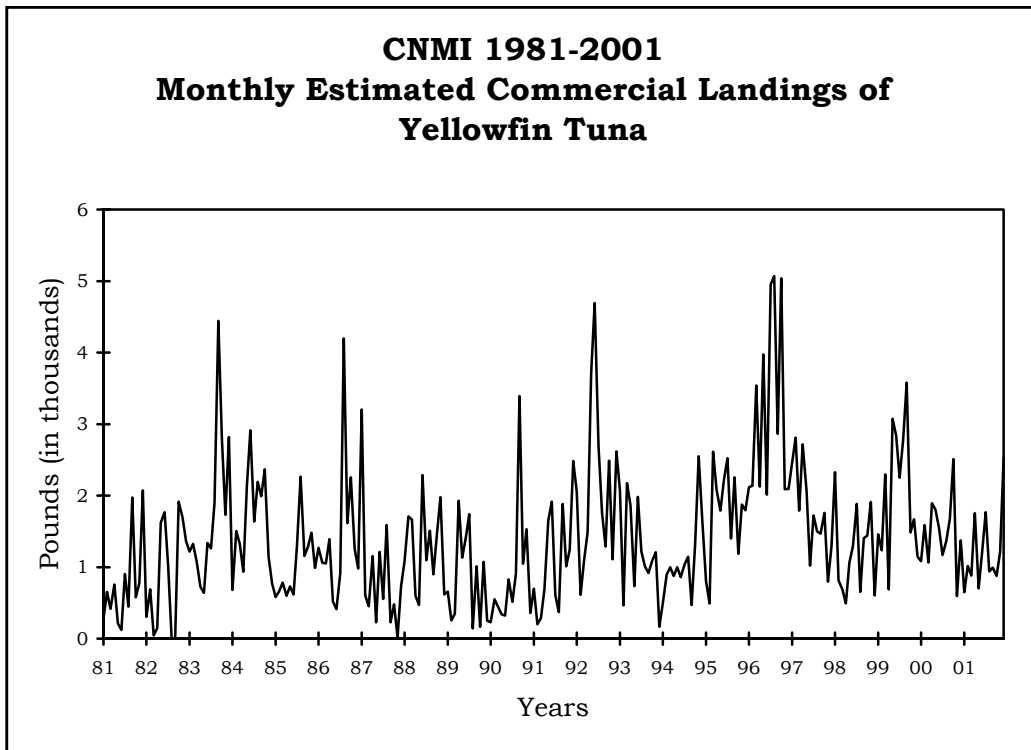


Figure III.4.7

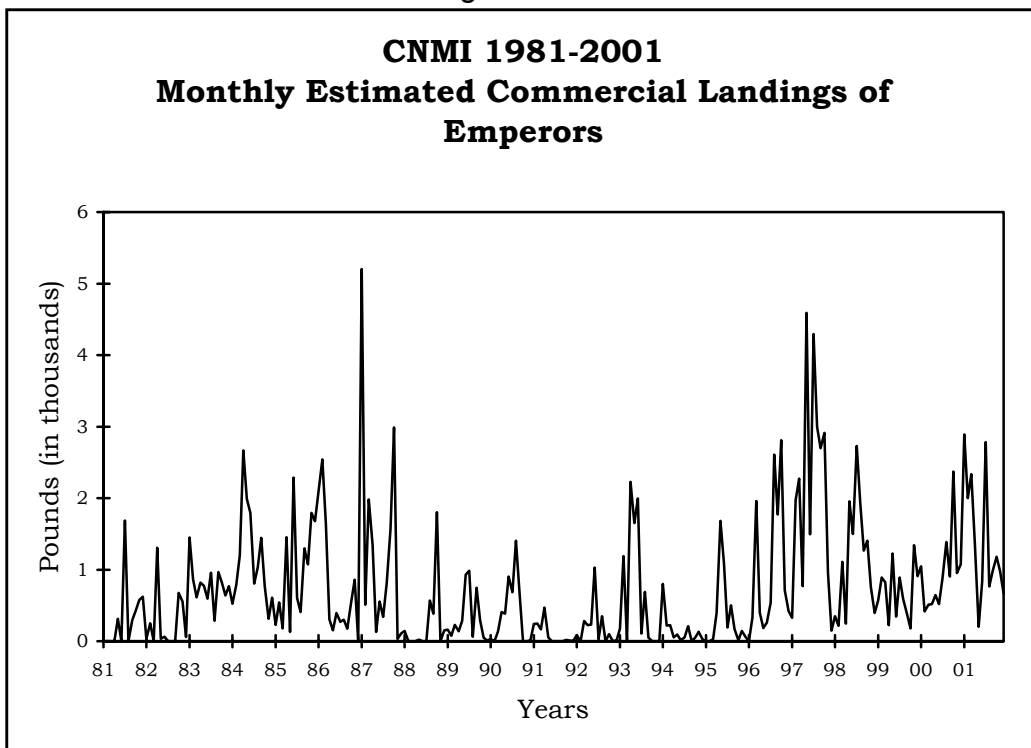


Figure III.4.8

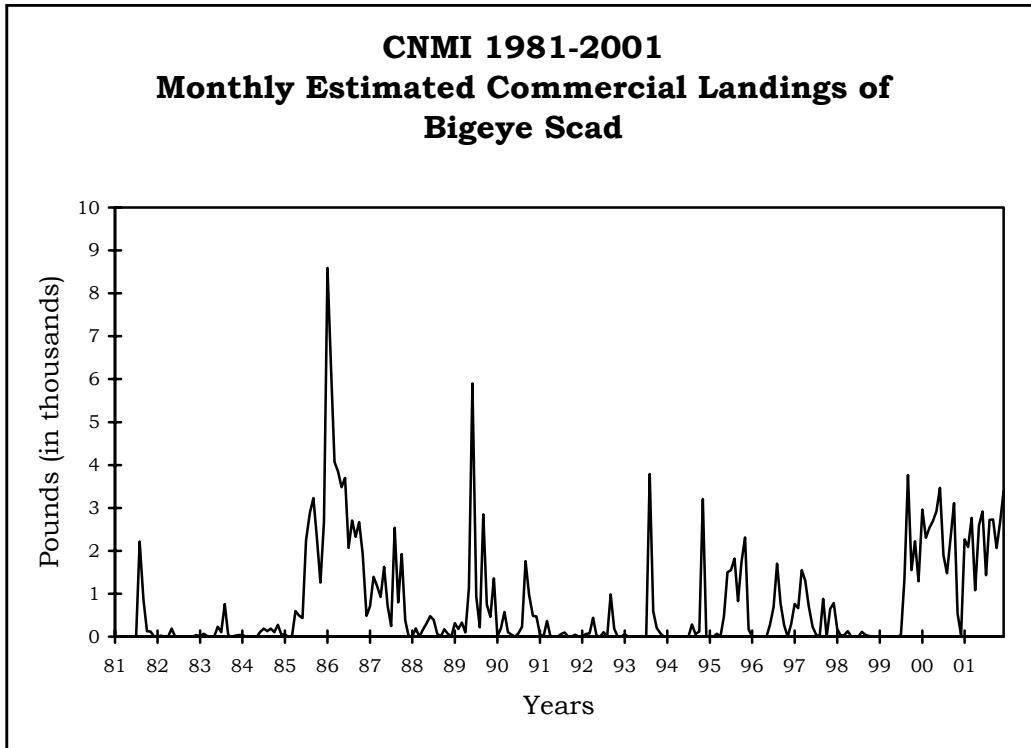


Figure III.4.9

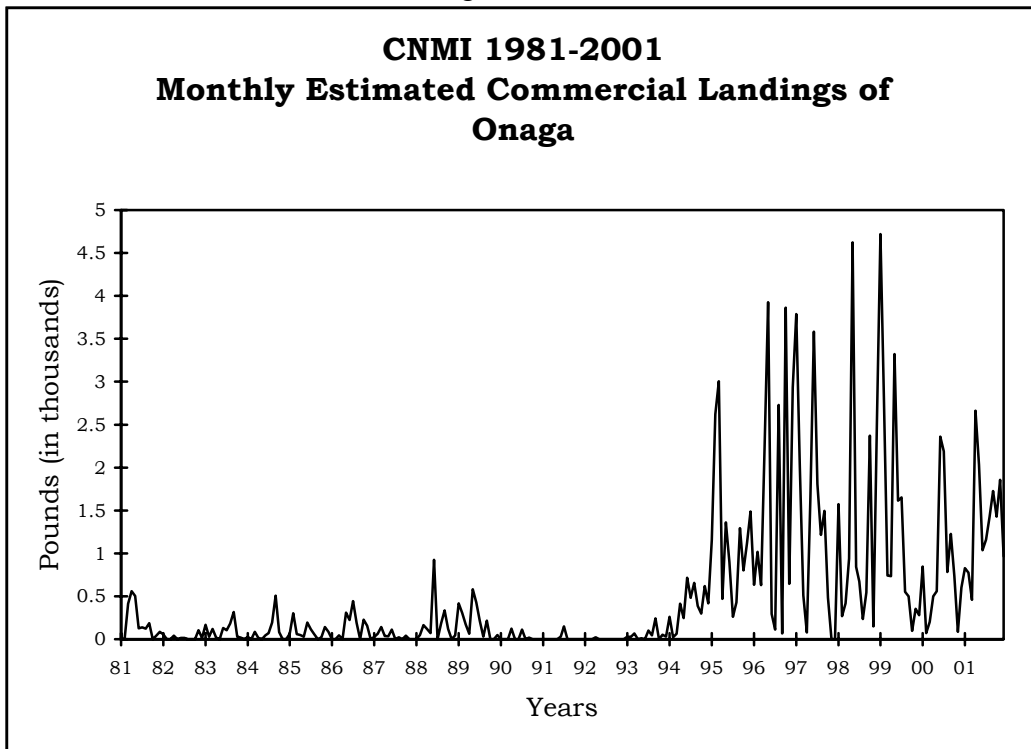


Figure III.4.10

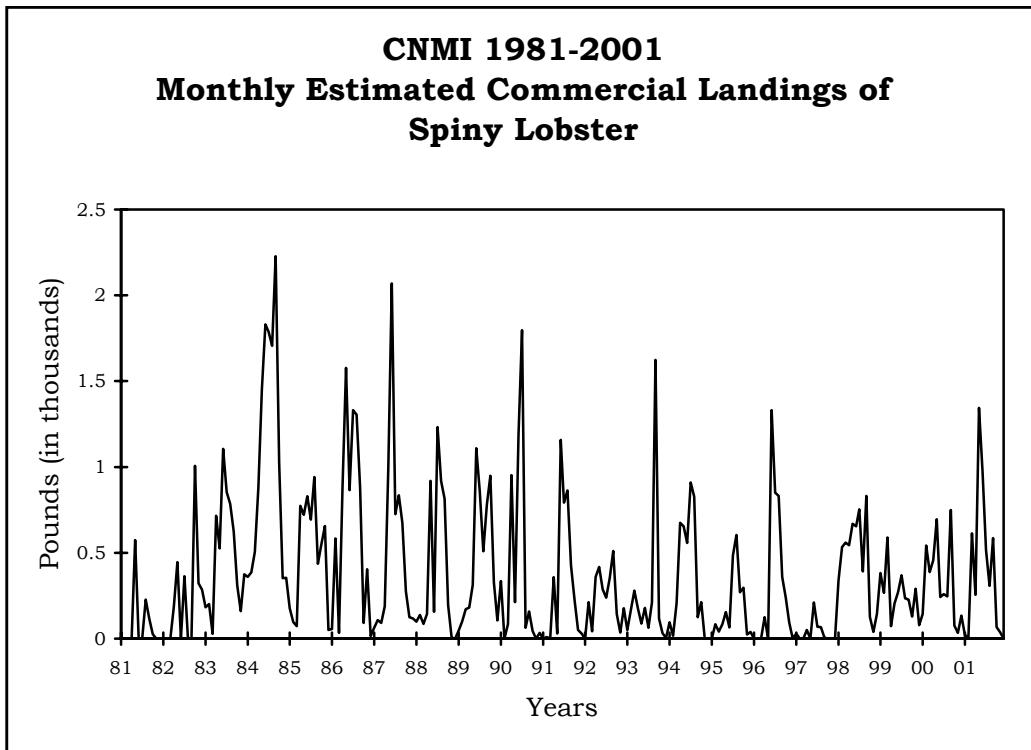


Figure III.4.11

