

Recreational Marine Fisheries Meta Database

Principal Investigators

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Importance of recreational fisheries:

Pelagics FMP

FMP objectives:

to promote, within the limits of managing at OY, domestic harvest of the management unit species in the EEZ and domestic fishery values associated with these species, for example, by enhancing the opportunities for:

- a. satisfying recreational fishing experience
- b. continuation of traditional fishing practices for non-market personal consumption and cultural benefits;
- c. domestic commercial fishermen, including charter boat operations, to engage in profitable fishing operations.”

MSFCMA

Management Plans (FMPs) required provisions include:

a description of the fishery, including, but not limited to, the number of vessels involved, the type and quantity of fishing gear used, the species of fish involved and their location, the cost likely to be incurred in management, actual and potential revenues from the fishery, **any recreational interest in the fishery**, and the nature and extent of foreign fishing and Indian treaty fishing rights, if any, and;

specification of the pertinent data which shall be submitted to the Secretary with respect to commercial, **recreational, and charter fishing in the fishery**, including, but not limited to, information regarding the type and quantity of fishing gear used, catch by species in numbers of fish or weight thereof, areas in which fishing was engaged in, time of fishing, number of hauls, and the estimated processing capacity of, and the actual processing capacity utilized by, United States fish processors.

RECREATIONAL FISHERY DATA COLLECTION IN WESPAC REGION

NO SPECIFIC RECREATIONAL FISHERY DATA
COLLECTION IN WP REGION

CREEL SURVEYS OF
SMALL BOATS

AMERICAN SAMOA
GUAM
NMI

SHORELINE CREEL
SURVEYS

IN PARTS OF HAWAII

LIMITED SHORT TERM
REC. FISH SURVEYS

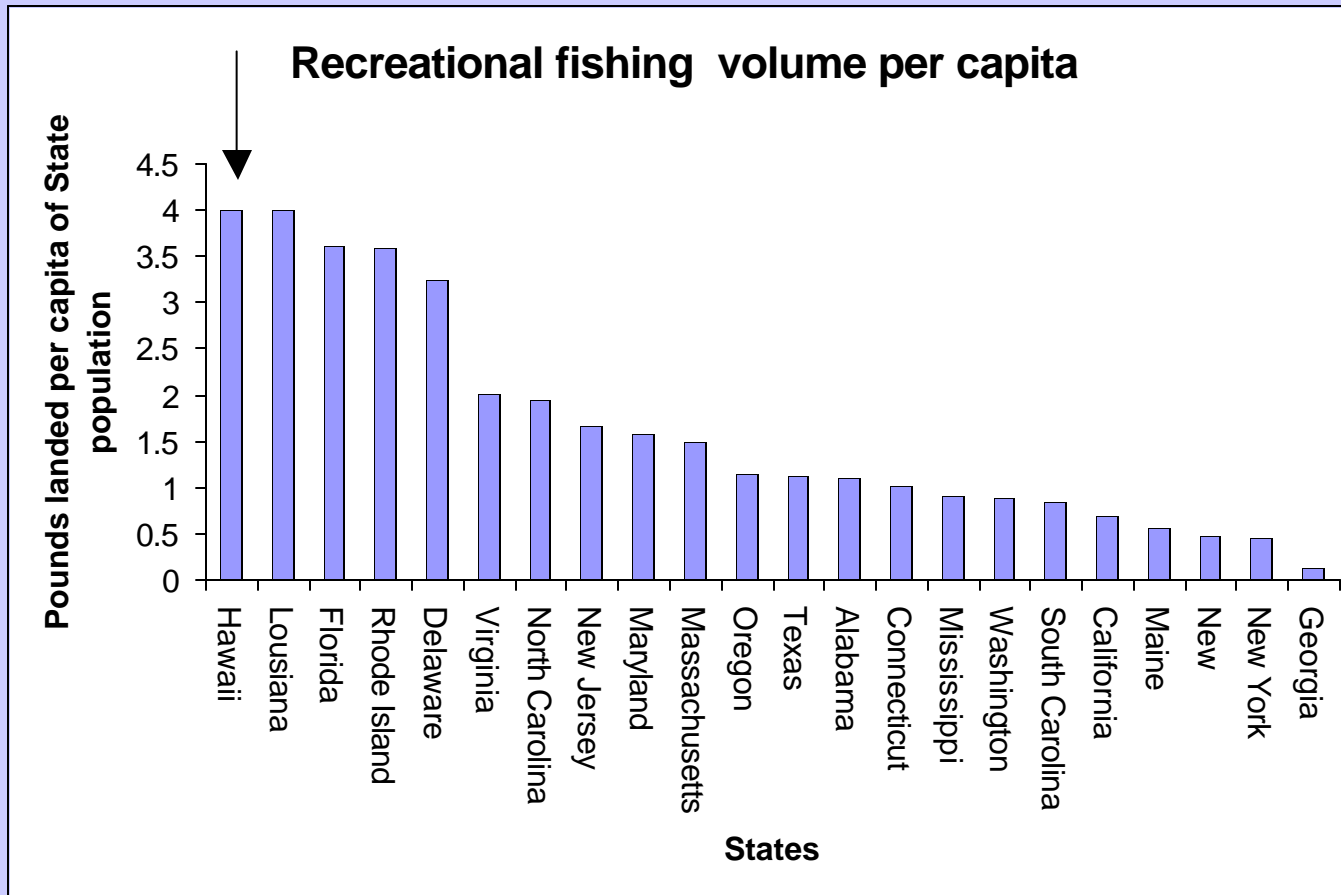
ABOUT 30 IN HAWAII
IN LAST 25 YEARS (most in
gray literature)

BEST ESTIMATES OF RECREATIONAL CATCH

Islands	% of small boat trips for recreational fishing	Nominal small boat rec. catch (lb)	Total small boat catch (lb)	% small boat catch
Guam*	72.50	455,444	1,445,033	31.52
NMI	27.20	34,408	522,338	6.59
Hawaii*	28.36	4,750,000	13,909,678	34.15
Am Sam	10.67	157,198	1,455,481	10.80

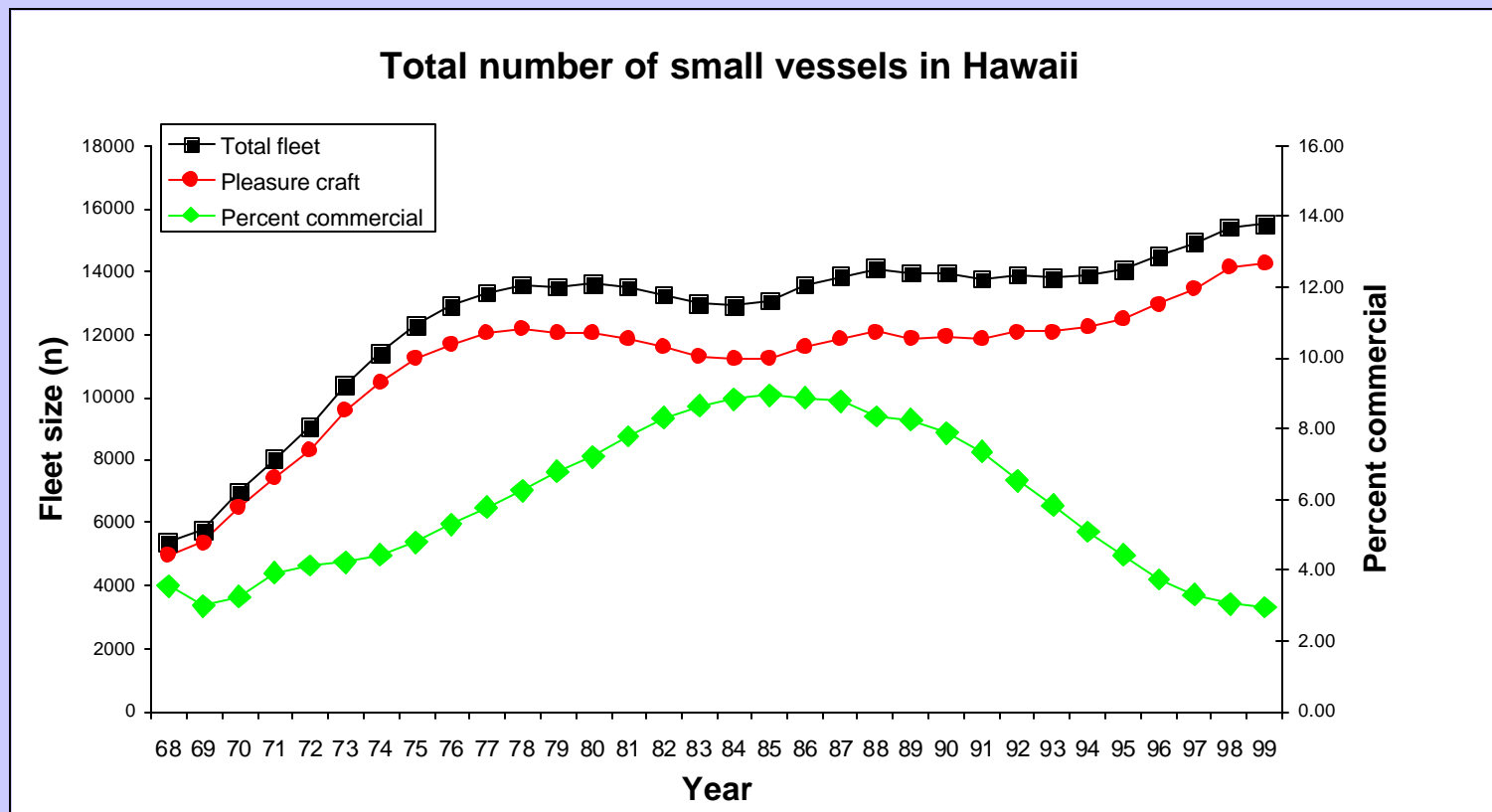
MADE USING SEVERAL SOURCES OF DATA AND ASSUMPTIONS. ESTIMATES CONFOUNDED SOMEWHAT BY BLURRING OF COMMERCIAL AND RECREATIONAL FISHING

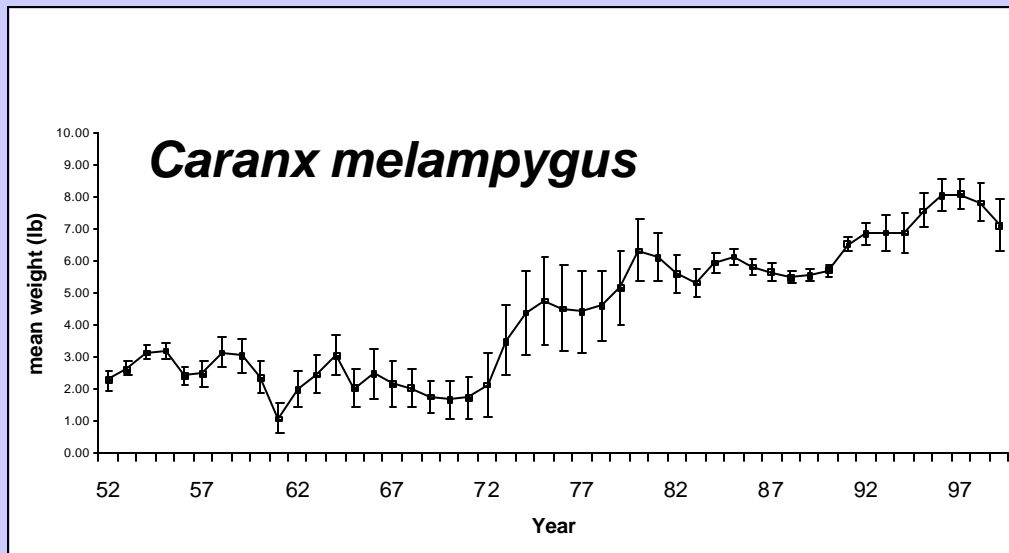
HAWAII RECREATION PRODUCTION PER CAPITA (4.0 LB/PERSON/YEAR) COMPARED WITH OTHER US STATES



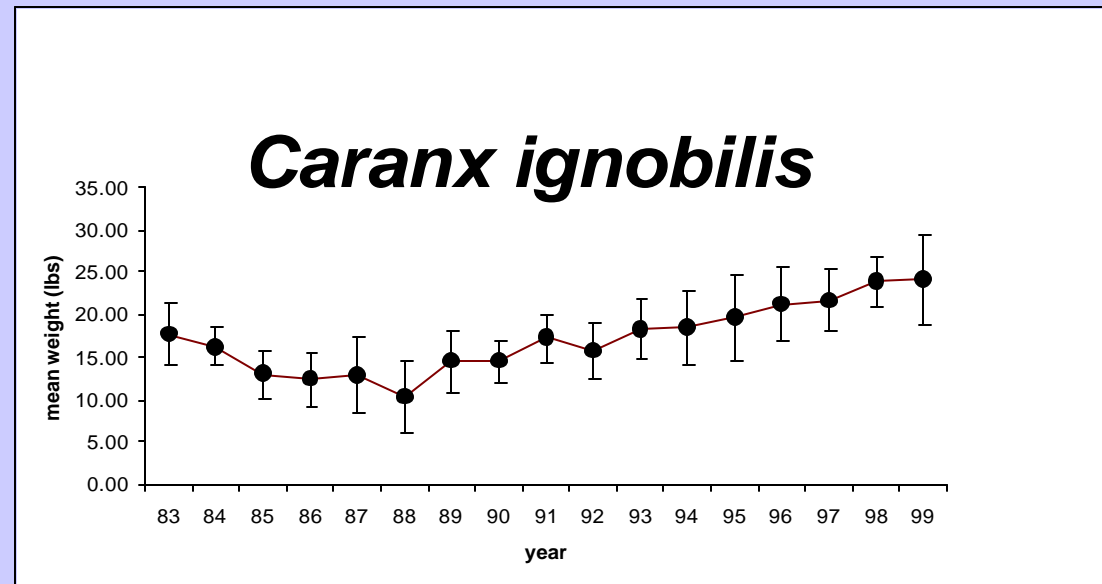
Hawaii recreational fishery expanded markedly in 1970s, with increase in boat ownership

Commercial fishing licenses increased during 60s and 70s, but declined in the 1980s and 1990s to previous levels.

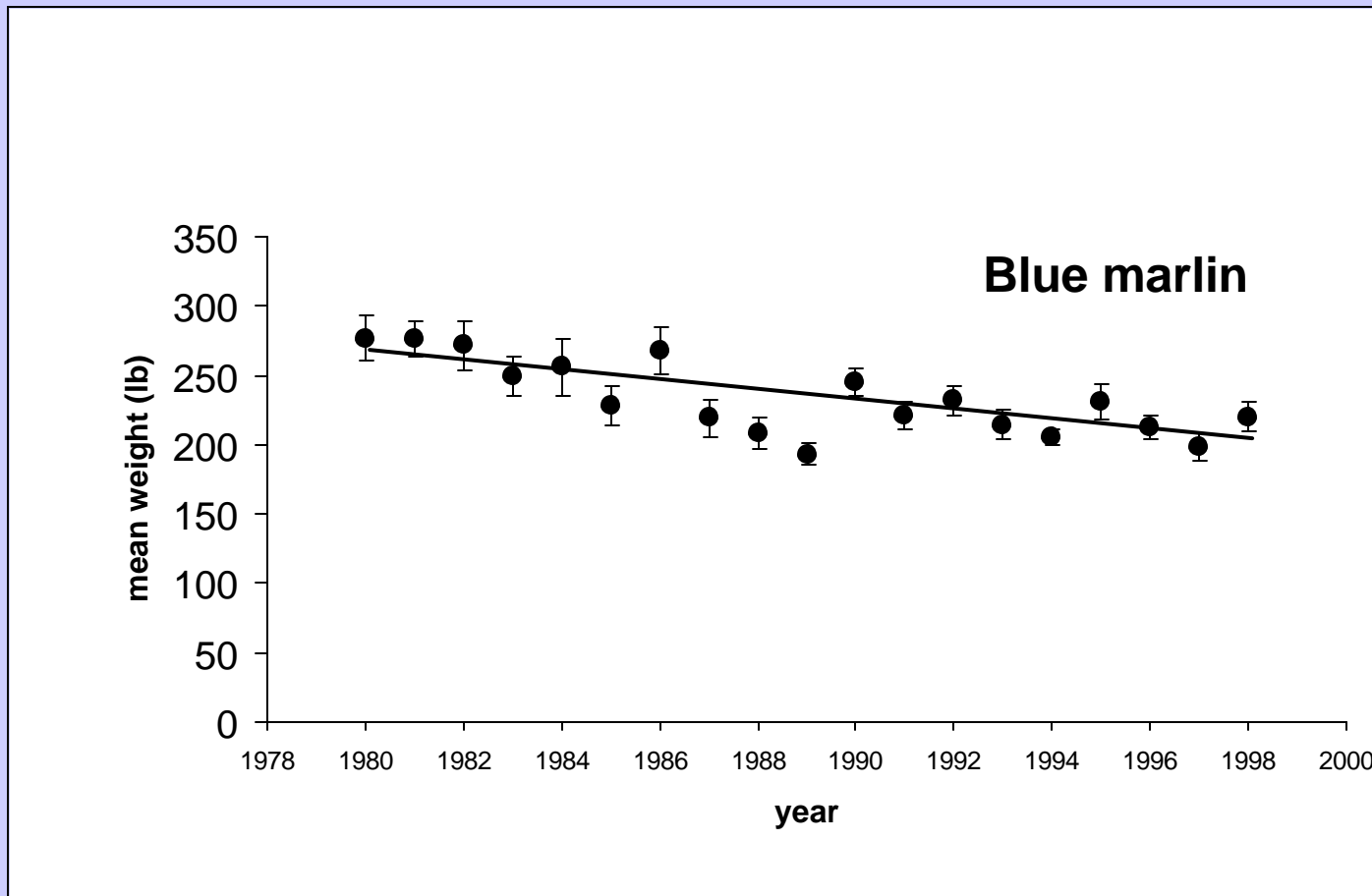




The average size of two commonly caught jacks is getting larger. Why?



But blue marlin in the recreational charter vessel catch at Honokohau are becoming smaller



FORMATION OF RECREATIONAL FISHERY DATA TASK FORCE IN NOVEMBER 1999

RECOMMENDATIONS

1. META DATA BASE FOR
PAST SURVEYS ETC

FISHERY TRENDS
DATA ARCHIVE

2. COMPREHENSIVE CREEL
SURVEY FOR HAWAII OR
HAVE MRFSS RETURN
TO WPR & HAWAII

ANNUAL CATCH VOLUME
& TRENDS REINTEGRATE WPR
& HAWAII INTO NATIONAL
SURVEY

OTHER DATA SOURCES

HAWAII HAS AT LEAST 27 FISHING CLUBS &
28 MAJOR TOURNAMENTS

PLUS A LARGE CHARTER FISHING SECTOR
REPORTING TO HDAR

MANY CLUBS KEEP ACCURATE RECORDS OF MONTHLY
CATCH TOTALS FOR PRIZE AWARDS.

MANY TOURNAMENTS AND COMPETITIONS KEEP
VERY ACCURATE RECORDS OF CATCH, EFFORT, &
LOCATION, EG HILO TROLLERS CLUB ANN. DERBY

Fishing club records
and competitions

Fishing tournaments

Existing recreational
fishery surveys

HDAR charter vessel
data

Database +
Meta-data

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graph LR; A[Fishing club records and competitions] --> D[Database + Meta-data]; B[Fishing tournaments] --> D; C[Existing recreational fishery surveys] --> D; E[HDAR charter vessel data] --> D;
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Project still in preparatory phase:

Need suitable database programmer for database and meta-database construction

Person to liaise with clubs and tournaments to elicit fishing data

Keypunching personnel.