



RECREATIONAL FISHERIES INFORMATION NETWORK

PACIFIC STATES MARINE FISHERIES COMMISSION
45 S.E. 82ND DRIVE, SUITE 100, GLADSTONE, OREGON 97027-2522
PHONE (503) 650-5400 FAX (503) 650-5426

RecFIN Presentation

Pacific Fishery Management Council

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by

Russell Porter

RecFIN Chairman

Request from RecFIN

1. *Determination of an acceptable level of precision for marine recreational fishery catch estimates.* A request is hereby made that the Council specify the level of precision (percent standard error) desired for recreational catch estimates. It is suggested that the Council establish a group of scientists to assist the Council in this task.

Background: It is RecFIN's belief that the Council could best be assisted by two or three scientists working together to identify an approach for addressing the question and providing trade-off tables and analyses for the Council to use in its decision. In order to produce more relevant analysis, this group should be provided with an opportunity to receive policy level guidance between Council meetings, such as through consultation at a SPOC meeting. We would suggest a stock assessment person from the NW Center, a GMT representative (Hastie, Culver or McCall) and the RecFIN Programmer/Analyst (Wade VanBuskirk). In order for RecFIN to determine proper sample sizes needed to produce catch estimates for in-season quota monitoring, a determination of the level of precision desired for the estimates is necessary.

Review of Recreational Sampling Programs:

RecFIN is planning a series of meetings with state, federal and Council representatives to address whether changes are needed in the Marine Recreational Fisheries Statistics Survey (MRFSS) as well as other components of RecFIN. Changes necessary to provide field sampling that meets management plan needs and any resultant additional costs will be

determined. We hope to start this process in December, 2001 and thank the Pacific Council in taking the lead in requesting funding for travel from NMFS for these meetings.

New Party/Charterboat Effort Survey

In 2001, PSMFC with support from NMFS began a new survey to estimate party/charterboat (CPFV) fishing effort in California. This survey differs from the traditional MRFSS telephone survey of anglers to determine CPFV trips by two-month period. The new survey samples 10% of the active CPFV fleet each week to determine the number of trips taken and the anglers carried on each trip. This 10% sample is then expanded to make estimates of total angler trips for Southern California and Northern California. The survey began in March, 2001. Initially we had 526 vessels in the sampling frame from the CDFG license files. Since that time we have worked to determine the exact number of vessels actually participating in the fishery. Our current sample frame has 250 vessels in Southern California and 150 vessels in Northern California. The following are some statistics from this new survey of CPFV's in California:

Response Rates (Jul-Aug, 2001):

| <u>Area</u> (Sample) | <u>Reported</u> <u>Trips</u> | <u>Reported</u> <u>No Trips</u> | <u>No Contact</u> | <u>Refused</u> | <u>Inactive/</u> <u>Ineligible</u> |
|-------------------------|---------------------------------|------------------------------------|-------------------|----------------|---------------------------------------|
| S. Calif. (225) | 61 [31%] | 20 [10%] | 72 [37%] | 41 [21%] | 31 [14%] |
| N. Calif. (135) | 41 [36%] | 4 [4%] | 21 [18%] | 49 [43%] | 20 [15%] |

Reporting Method (Jul-Aug, 2001):

| <u>Area</u> | <u>Telephone</u> | <u>Called In</u> | <u>FAX</u> | <u>Mail</u> |
|-------------|------------------|------------------|------------|-------------|
| S. Calif. | 43.4% | 22.9% | 28.9% | 4.8% |
| N. Calif. | 56.8% | 20.5% | 20.4% | 2.3% |

Use of Printed Survey Log Provided (Jul-Aug, 2001):

| Area | <u>Yes</u> | <u>No</u> |
|-----------|------------|-----------|
| S. Calif. | 97.2% | 2.8% |
| N. Calif. | 82.1% | 17.9% |

Trip Estimate Comparison – Regular MRFSS vs. Preliminary New CPFV Effort Survey^{1/}

| <u>Survey</u> | <u>Jan-Feb</u> | <u>Mar-Apr</u> | <u>May-Jun</u> | <u>Jul-Aug</u> | <u>TOTAL</u> |
|-------------------------|----------------|----------------|---------------------------|----------------|--------------|
| <i>So. Calif.</i> | | | | | |
| | <u>Closure</u> | | | | |
| MRFSS | 25,000 | 50,000 [| 107,000 403,000 | 246,000] | 428,000 |
| PC Effort ^{1/} | --- | 42,152 [| 88,278 289,028 | 158,598] | 314,028 |
| <i>No. Calif.</i> | | | | | |
| | <u>Closure</u> | | | | |
| MRFSS | 29,000 | 10,000 [| 24,000 93,000 | 59,000] | 122,000 |
| PC Effort ^{1/} | --- | 6,160 [| 35,579 90,693 | 48,954] | 119,693 |

1/ (Preliminary) Includes a 30% adjustment for non-response.

Preliminary California RecFIN Bocaccio Catch Estimates (MT), Jan-Aug, 2001:

| <u>Survey</u> | <u>Jan-Feb</u> | <u>Mar-Apr</u> | <u>May-Jun</u> | <u>Jul-Aug</u> | <u>TOTAL</u> |
|---------------------------------|----------------|----------------|----------------|----------------|--------------|
| MRFSS { CPFV } | 17 | 3 | 20 | 7 | 47 |
| Private Boats | 0 | 4 | 5 | 16 | <u>25</u> |
| | | | | TOTAL: | 73 |
| Preliminary PC Effort Survey | [17] | 2.5 | 11.4 | 10.9 | 41.8 |
| Private Boats | 0 | 4 | 5 | 16 | <u>25</u> |
| | | | | TOTAL: | 67 |

Oregon & Washington Catch (MT)

| | | |
|------------|----------|---|
| Oregon | Jan-Aug: | 2 |
| Washington | Jan-Aug: | 1 |