

# RecFIN Update

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- JUNE 13, 2007
- Pacific Fishery Management Council



# RecFIN Proposals:

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- Discarded Fish Procedures
- Average Weight Computations
- Managing by numbers of fish



# RecFIN Updates:

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- Trip Types
- Location of catch
- RecFIN Change Policy
- RecFIN Workshop
- Comparison report of MRFSS and state surveys
- Data Elements Table
- NMFS Development Plan

# Discard Procedures:

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## ○ Past Procedures:

- Type A – Fish Observed
- Type B1 – Fish Thrown Back Dead
- Type B2 – Fish Thrown Back Alive

## ○ Current Proposal:

- Total Discards
- Apply Mortality Rate to Discards
- Use GMT Mortality Rates
- RecFIN Establish other Mortality Rates



# Average Weight:

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- Metric Ton quotas require weight.
- Average weight by species for each estimation cell (month, mode, area, trip type, port etc.)
- Non-retention species --??.
  - [i.e. Canary and Yelloweye]



# Weight Pooling Rules

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- Lack of data requires pooling
- Pool from adjacent times, areas, modes etc. to get 50 fish minimum.
- Attachment B



# Managing by Numbers:

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- RecFIN Workshop
- RecFIN Technical Committee
- PROPOSE Managing Catch Quota in Numbers of Fish instead of MT.



# Rationale For Numbers:

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- Assessment model forecasts population numbers at large forward to the year for a quota
- Model uses fishery-specific selectivity at age/length and fishing mortality to calculate expected catch.





# Rationale for Numbers:

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- Model multiplies catch numbers-at-age by expected body-at-age to calculate total weight.
- Models not necessarily estimated on a year-specific basis, but over a block of years.



# Proposals for PFMC:

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- Discarded Fish Procedures
- Average Weight Computation
- Managing Groundfish by Numbers



# RecFIN Updates:

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- Trip Types
- Location of Catch
- RecFIN Change Policy
- Comparison Report
- RecFIN Workshop
- NRC Report/Magnuson Act
- NMFS Development Plan
- RecFIN Data Elements Table



# Trip Types

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- Trip Types Used in Catch Estimates:
  - Washington – 10 Trip Types
  - Oregon - 7 Trip Types
  - California - 7 Trip Types

# Trip Types

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- OR: Salmon, bottomfish, halibut, tuna, dive, non-fishing
- WA also: Sturgeon, Marine fish, Commercial jig
- CA: Coastal pelagics, HMS, Nearshore, Shore & nearshore soft bottom, Salmonids, Other anadromous, Anything



# Location of Catch

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- California – Catch area by 1 mile square
- Oregon – 7 ocean areas inside and outside of 30 fms.
- Washington – By four catch record areas for the coast



# RecFIN Change Policy:

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- Adopted by RecFIN 10/19/06
- Proposed Changes in Recreational Sampling Programs by States submitted to RecFIN for approval
- RecFIN will: Decide, &/or assign to RecFIN Statistical Subcommittee



# RecFIN Change Policy:

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- **Changes include:** estimation, time series, sampling procedures, sampling frames, variance.
- **Emergency Changes:** Sent to RecFIN Chair & PFMC entities pending review by RecFIN.





# RecFIN Change Policy:

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- Semi-Annual report - March 1<sup>st</sup> and September 1<sup>st</sup>.
- Report documents all changes in the last 6 months.
- Submitted to PFMC entities & posted on RecFIN website.



# Comparison Report

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- RecFIN Statistical Subcommittee has submitted their MRFSS/State Survey comparison report to RecFIN
- Report provided to the SSC and Stock Assessment Authors.
- CDFG will add CA portion when they complete updating CRFS trip types.



# Report Findings:

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- Angler trips showed common patterns across states & Surveys
- Angler trips very different across modes of fishing which outweigh differences across Surveys & time
- All surveys are subject to improvement



# Report Findings:

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- MRFSS or state surveys are more correct?
- Overlap of MRFSS and State Surveys is short - results should not be extrapolated to other times (historic catch estimates).



# Report Findings:

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- Data collection programs have not been static.
- Differences in MRFSS & State surveys not systematic. Environmental & Regulatory changes play major role.
- No single method is free from criticisms



# RecFIN Workshop

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- August 28-31, 2006
- Data Needs
- Average Weight
- Discards
- NRC Report



# NRC Report/Magnuson Act

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- Review of Recreational Fisheries Survey Methods – National Research Council, June, 2006
- NRC Recommendations referenced in Magnuson Act Reauthorization
- Angler Registry required by 2009



# NMFS Development Plan

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- Executive Steering Committee (ESC)
- Operations Team (OT)
  - Analysis Workgroup
  - Design Workgroup
  - Data Management Workgroup
  - HMS Workgroup
  - CPFV Workgroup





# NMFS Development Plan

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- MRIP to replace MRFSS
  - Marine Recreational Information Program (MRIP) in January, 2009
  - July Workshop for ESC, OT & Workgroups to plan work and set deadlines
  - Outreach to angling community by Communications & Education Group



# Recreational Data Table

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- Provided in RecFIN Update handout as Attachment H
- RecFIN received input on needed elements from SSC, GMT and HMSMT
- MRIP Development will address regional data needs & survey redesign to meet them.