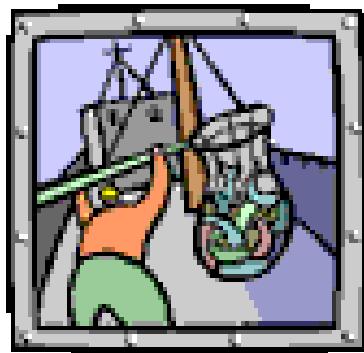




Pacific Fishery Monitoring and Catch Reporting – Update



**Forum on Conservation & Harvest Planning for
Fraser Salmon**

May 8, 2013



Strategic Framework: Purpose

- To provide a consistent basis to guide Pacific fishery monitoring and catch reporting
- Implementation tool for Sustainable Fisheries Framework
- Provide a common understanding of the importance and need for monitoring standards in all fisheries
- Provide a risk-based approach to assessing monitoring levels

Strategic Framework for Fishery Monitoring and Catch
Reporting in the Pacific Fisheries

Fisheries and Oceans Canada
Pacific Region
Fisheries and Aquaculture Management

Final March 2012

Fundamentals

- Standardized Approach to determining what info is required (and why).
- Process and Accountabilities – clarifying who does what (and how).
- Collaboration with harvesters to identify, implement monitoring program
- Improved information management. (infrastructure, tools and process)
- All need to be addressed collaboratively
- Recognition that changes take time
 - Phased implementation of the Framework in all of the fisheries





Current Processes Underway - Recreational

- In 2012, SFAB Catch Monitoring Working Group,
 - Reviewed current programs & priorities, explored options for improvement
 - Development of recreational monitoring strategy – outlines implementation of Framework for rec sector
 - ***Almost complete...***

“MOVING FORWARD”

An Implementation Plan for Strengthening our Recreational Fishery Monitoring and Catch Reporting Programs in the Pacific





Recreational (con't)

- **Internet survey (iREC)**
 - cost effective estimates of catch and effort, captures recreational harvest modes not previously surveyed, provided data for effort assessments, July 2012 to March 2013
 - provides data for heat-map/risk assessment improvement
 - Direct comparision to creel est's in some areas (looking at relationship between 2 methods) – ...need more data for comparison & calibration
- **Logbooks/elog**
 - 2012 logbook program successfully implemented in Campbell R, Kyuquot, Barkley & Clayoquot Sounds, data incorporated into final rec catch estimates
- New 2013/14 licence condition (mandatory reporting when asked by creel and internet surveys)
- Licence fee increase





➤ *Creel Survey Enhancements*

- sampling techniques, spatial organisation
- New March survey extension - Juan de Fuca Area (Victoria-Sooke) & flight-based effort estimates across entire South Coast Area
 - Results to calibrate the iREC survey estimates, particularly during the shoulder (low effort) period.



Harvest Sector Catch Monitoring Strategies – 2012-13

Commercial Salmon

- CSAB Catch Monitoring Working Group est. 2012 - *Collaborate with DFO on strategies, tools and programs to implement monitoring requirements consistent with the Framework*
- In 2012-13 the following was completed:
 - Confirmation of **Minimum Standards** for commercial salmon fisheries consistent with the Framework
 - **Inventory** of current monitoring programs in place
 - Identification and agreement of **gaps** in existing programs compared to minimum standards
 - Discussion on **tools** to address gaps
 - Identification of key fisheries with largest gaps for **pilot programs** in 2013
 - **Risk assessments** on 5 fisheries



Commercial Salmon (con't)

Minimum Standards:

1. Independent verification of fishery specific effort
2. Independent verification of fleets landed catch
3. Independent verification of at sea releases (i.e. discarded/released catch)
4. Fishery specific minimum biological sampling standards are achieved. For example, 20% of landed catch of coho and chinook sampled for coded wire tags (CWT's)
5. Independent verification of compliance with fishery rules.



- 2013 Pilots:
 - Area A Seine: Sockeye/Pink (PFMA 3 and 6)
 - Area C Gill net: Sockeye/Pink (PFMA 3 and 5)
 - Area D Gill net: Sockeye (Johnstone Strait)
 - Area E Gill net: Sockeye (Fraser River)
 - Area G Troll: Chinook (WCVI) **underway**
- 2013 Objectives:
 - Focus on 20% independent verification of landed catch
 - Post season review and refinement of pilots as needed in consideration of Compliance & Fishery management data requirements

Harvest Sector Catch Monitoring Strategies

Other Commercial Fisheries

- Herring Roe risk assessment and monitoring changes (implications of loss of on - grounds monitoring program)
- Risk assessment to BCI demo fisheries in collaboration with industry
- Ahousaht et al. fisheries assessments. 3 scenarios:
 - Commercial salmon demo fishery (CM req. same as Area G)
 - Commercial salmon dual fishing (100% landed catch verification with groundfish retention consistent with Area G)
 - Salmon and groundfish retention for sale

Harvest Sector Catch Monitoring Strategies - FSC

Regional FSC Catch Monitoring Working Group

- Est. 2012-13
- Members: DFO, FNFC, contractor
 - *“Implement strategic framework in Pacific FSC fisheries”*
- 2013-14:
 - Scoping of information needs for regional inventory of current catch monitoring in Pacific FSC fisheries
 - Preliminary **inventory of salmon FSC** fisheries
 - FSC-tailored approach for implementing the ‘Framework’
 - TBD: Broad **FN engagement** to be informed by FNFC report
 - a) Regional level
 - b) Local level



FSC Fishery Monitoring Assessments

- Standard process to assess ecological risk and define appropriate monitoring level, data management
- *Collaboration* with sector identifies monitoring tools, program
- Pilot assessments ***underway***:
 - Sliammon (TRM)
 - Ahousaht+ (demo)



Collaborations

FNFC

- In 2012/13, FNFC Catch Monitoring Liaison:
 - Tier 1 FSC Catch Monitoring (4 workshops)
 - DFO FSC Catch Monitoring Working Group
 - FNFC catch monitoring communication materials, included information on Strategic Framework
- Workshop report to provide to DFO:
 - recommendations, strategies for engaging First Nations on Catch Monitoring
 - Tier 2 meeting
 - *TBD*



Collaborations cont'd

Monitoring & Compliance Panel

- March Workshop
 - “Solidifying the Foundations to Improve Confidence in Catch Reporting”
- Communications material
- Review membership/representation – multi-species?
- Skeena R. pilot **underway**
 - encouraging a multi-sector dialogue to consider factors that could achieve confidence in catch numbers between sectors
- Campbell R. pilot **underway**
 - looking at inter-sectoral conflicts & how to improve relationships (Atlegay, rec guides, commercial salmon)



Developing & piloting Technical Solutions

Recreational Electronic Logbook

- In 2012:
 - 47 On Water and 19 Dockside applications have been installed by DFO and the Sport Fishing Institute of B.C. (S.F.I.)
- S.F.I. reports high interest in 'On Water' component by the guides



FSC Standalone Database

- External database for FSC data management, permitting
 - Considerations: interest, capacity, functionality
 - Database development in conjunction with DFO CREST system to support streamlined reporting
 - *underway*
 - Engagement, input from First Nations in developing database program
 - *Underway – as id'd by area RMs*
 - Training:
 - database demo's *underway*
 - formal training sessions - TBD

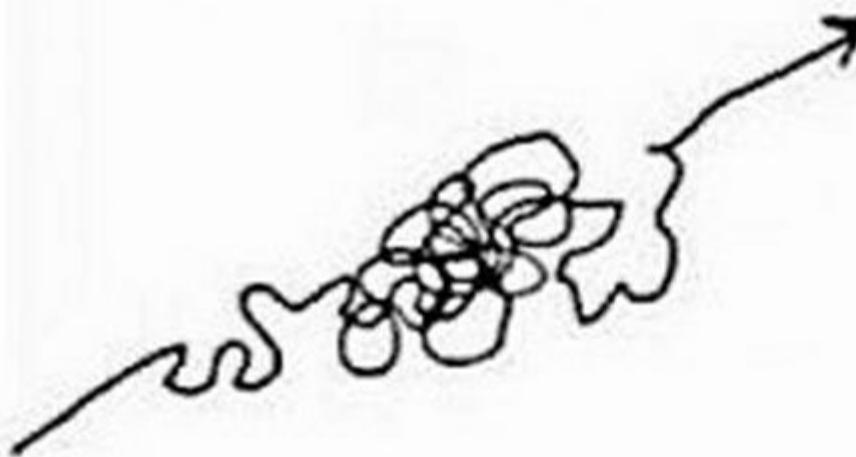


Success



what people think
it looks like

Success



what it really
looks like



Fisheries and Oceans
Canada

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Thanks.

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