Update
Tribal Governments in Idaho Fish Consumption Surveys

IDAHO NEGOTIATED RULEMAKING MEETING
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Update: ID Tribal Fish Consumption Surveys

- Review General Background of Work Effort
- Coordination with ID DEQ and Feb 27 Webinar
- Tribal Fish Consumption Survey Designs
- Tribal Fish Consumption Survey Work Efforts
- Tribal/EPA Fish Restoration Workshop – March 2014
- Next Steps
TRIBES IN IDAHO

- Kootenai Tribe of Idaho
- Coeur D’Alene Tribe
- Nez Perce Tribe
- Shoshone-Bannock Tribes (Fort Hall)
- Shoshone-Paiute Tribes (Duck Valley)
Tribal Governments in ID have been working with EPA to plan a 2015 survey on types and amounts of fish consumed by tribal people.

Support provided through EPA Indian General Assistance Program funds, administered through an EPA contract.

Process will build tribal capacity and results will inform future tribal/EPA WQS decisions.

Ongoing EPA commitment to share information on Tribal work @ ID DEQ Negotiated Rulemaking Meetings.
EPA & EPA contractors held a webinar on Feb 27 to share information on Tribal Fish Consumption Survey Design.

Tribal Fish Consumption Survey Design & presentation posted on ID DEQ website [www.deq.idaho.gov/58-0102-1201](http://www.deq.idaho.gov/58-0102-1201)

Issues which were discussed included: heritage rate, uncertainty, availability of materials and Institutional Review Board.

EPA will offer additional webinars in future if requested.
EPA/ID DEQ/Tribal Govt Collaboration

- Collaboration Calls w/ ID DEQ, Tribal Govts & Consortia to coordinate work efforts
- Schedule alignment
- Information sharing – Feb 27 webinar
- EPA provided 50K to ID DEQ contractor to support ID DEQ survey – will support visual vs. verbal portion size testing
Purpose of the Tribal Surveys

• Tribal environmental capacity building
• Determine current & heritage fish consumption rates
• Understand causes of & reasons for suppression & hopes for the future
• Potential use in development of Tribal water quality standards
• Potential use by Idaho DEQ

Differences in Surveys

• Some Tribes have elected to not conduct a quantitative survey
• Others may conduct both a quantitative & heritage
• Sample size may vary
Survey Design and Review Process

Survey Design Process

- Collaboration with Tribes, EPA, and ID DEQ
- Research on other surveys
- Develop statistical methodology

Survey Review Process

- Tribal and EPA review and input; Tribal approval of design
- Institutional Review Board (IRB) and EPA human subjects approvals
Tribal Survey Design

Current Rate/Quantitative Study
- Conduct interviews with Tribal members
- Food Frequency Questionnaire (FFQ)
- 24-hour dietary recall (NCI)

Heritage Rate Study
- Evaluate historical and recent literature
- Develop range of rates
Similarities with ID DEQ’s Survey

- Sample of adults (18+)
- 24-hour dietary recall
- FFQ (12-month assessment)
- Inquiries of species types, portion sizes, cooking methods, and source of fish consumed
- Collects data on consumption rates of resident and anadromous fish
Tribal Design Survey

Differences in Design from ID DEQ’s Survey

- In-person interviews (plus screening and follow-up by telephone), including use of 3-D portion models
- Longer interviews (approximately 1 hour)
- No 7-day recall
- No separate Angler survey – Anglers are included in overall Tribal survey

Differences in Inquiries from ID DEQ’s Survey

- Consumption during high and low consumption periods, if applicable (according to respondent)
- Consumption during special events (e.g., feasts, celebrations)
- Fishing activities
- Opinions on changes in fish consumption and fishing over time
Nez Perce Tribe hosted a workshop in Lapwai, ID, to better understand current & future fish restoration efforts.

Tribal governments in ID and throughout Pacific Northwest are engaged in major anadromous/resident fish restoration efforts.

Attendees included Tribes from ID, OR, WA & EPA.

Tribes presented work underway & discussed how this may affect future tribal and non-tribal fish consumption rates.
Tribal Schedule (12-month data collection)

- **4/30/15** – Preliminary FCR to ID (based on FFQ, not peer reviewed)
- **7/15/15** – Draft FCR to ID (based on all data, not peer reviewed)
- **9/30/15** – Final Tribal FCR Report to ID

**Idaho DEQ Schedule**

- **May 2015** – ID peer review begins
- **8/4/15** – ID Bulletin publication of proposed rule
- **10/4/15** – Close of ID public comment period (based on 60 day period; the comment period will be at least 30 days so the period may end before 10/4/15)
Draft 3/19/2014: Revised Timeline for Idaho Tribal Fish Consumption Work Effort

Tribes
- Tribal Survey Design Consultant Hired
- Tribal Survey Implementation Consultant Hired
- Tribal Survey Implementation (one year)
- Tribal Survey Data Analysis
- July 15: Draft report available
- Peer review of Tribal report
- Sept 30: Final Tribal FCR Report
- Individual tribes develop water quality standards or make other decisions following on survey results, as desired

Idaho
- Idaho Survey Design Consultant Hired
- Idaho Survey Implementation (one year)
- Idaho Survey Data Analysis
- April 30: Prelim Tribal Data available
- Sept 30: Final Tribal FCR Report
- Proposed Rule
- Latest possible close of public comment on proposed rule
- Board Presentation
- March 2016: Legislative Presentation

EPA
- Monthly coordination mtgs between EPA and Tribes
- Monthly coordination meeting of EPA, Idaho tribes, and ID DEQ on survey implementation and comparability of survey data
- May 2016
- EPA Decision on Idaho Water Quality Standards
- Policy Issues:
  - Fish consumed vs. non-consumed
  - Whole population or targeted sub-population
  - Market fish/Anadromous Fish/Resident Fish
  - Selection of level of protection
  - Distribution or point estimates for FCR calculation
  - Consumption Suppression

Technical Assistance to Tribes and IDEQ on Survey Issues


Developed by Ross Strategic
Next Steps

- Continue collaboration with Tribal Govts/Consortia /ID DEQ/EPA to coordinate work efforts
- IRB and Human Subject Approval
- Recruit and hire tribal qualified interviewers
- Developing appropriate food models
- Training
- Pilot testing of questionnaire
- Survey implementation: data collection/interviews
- Data management