

Update

Tribal Governments in Idaho

Fish Consumption Surveys

1

IDAHO NEGOTIATED
RULEMAKING MEETING
APRIL 2, 2014

MARY LOU SOSCIA, EPA-R10
SOSCIA.MARYLOU@EPA.GOV
(503)326-5873



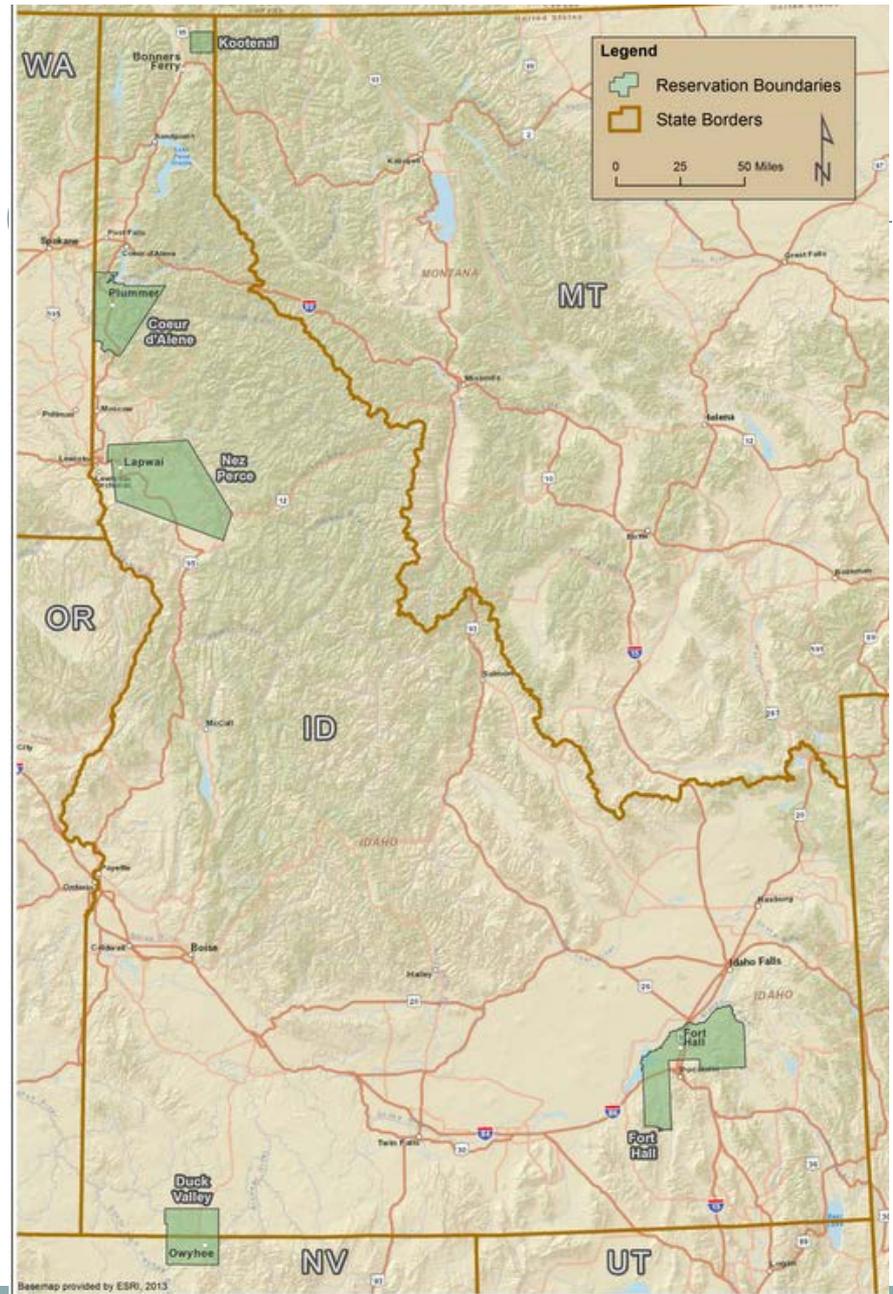
Update: ID Tribal Fish Consumption Surveys

2

- 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)



Understanding Tribal Fish Consumption

General Background

4

- 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

Feb 27 Tribal Fish Consumption Survey Webinar

5

- 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
- 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

6

- **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 Surveys

7

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

8

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

9

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

Tribal Survey Design

10

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

11

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

Tribal/EPA Fish Restoration Workshop

March 2014 - Lapwai

12

- 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

Schedule

13

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

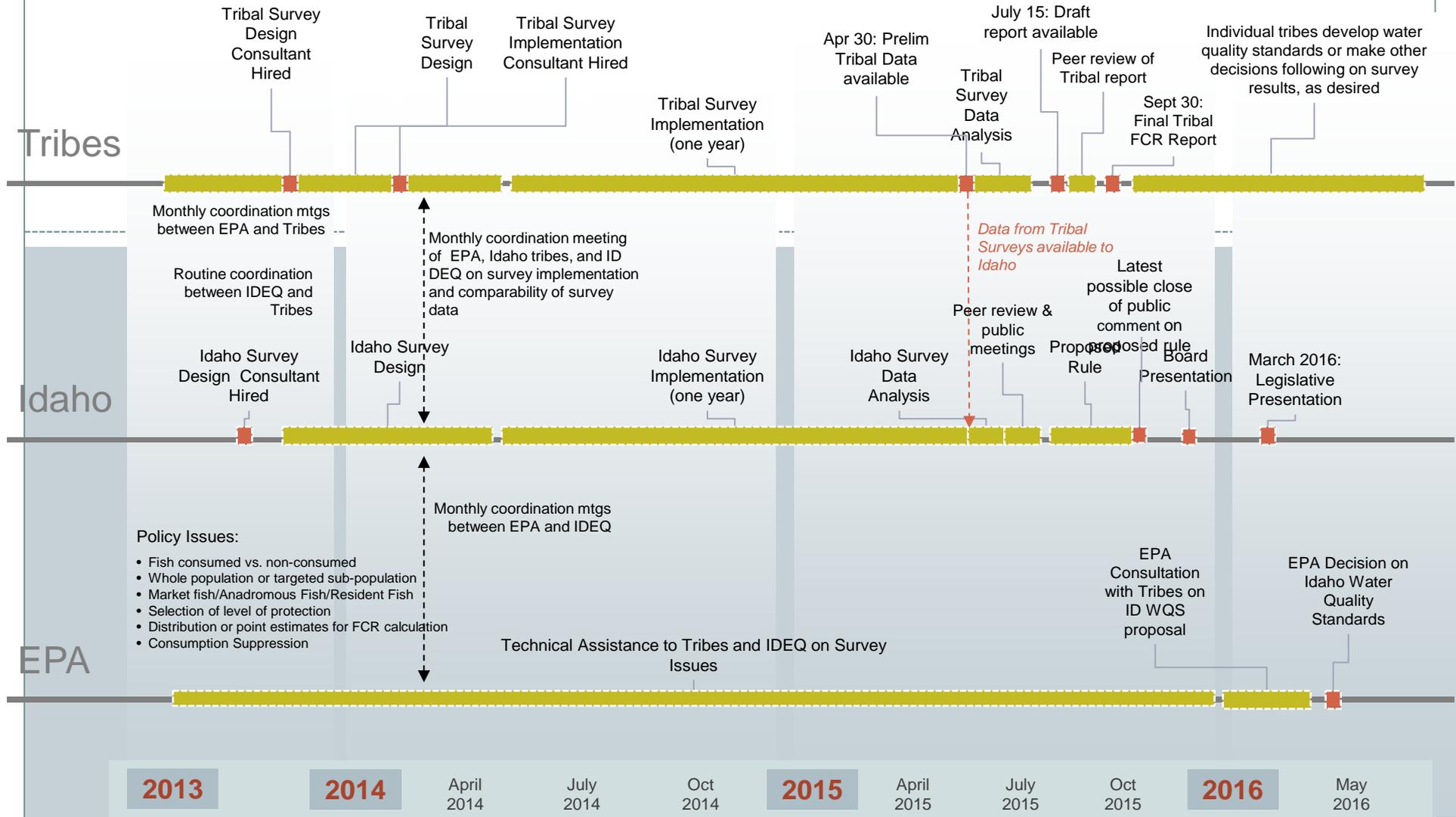
Idaho DEQ Schedule

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



Next Steps

15

- 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