

# Update

## Tribal Governments in Idaho Fish Consumption Surveys

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IDAHO NEGOTIATED RULEMAKING  
MEETING

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MARY LOU SOSCIA, EPA-R10

[SOSCIA.MARYLOU@EPA.GOV](mailto:SOSCIA.MARYLOU@EPA.GOV)

(503)326-5873



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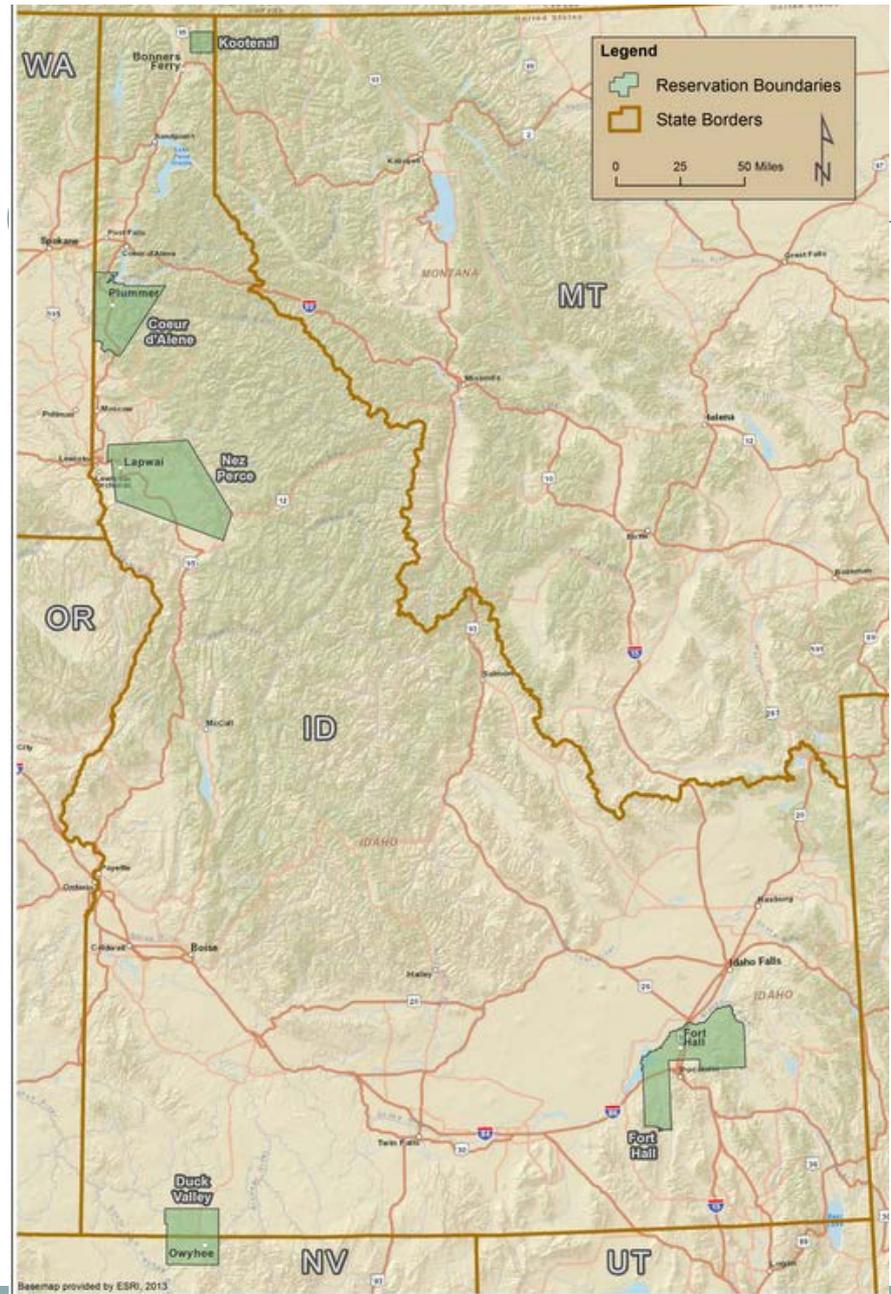
# Update: ID Tribal Fish Consumption Surveys

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- **Review General Background of Work Effort**
- **Tribal Fish Consumption Survey Work Efforts**
- **Tribal Heritage Rate Study Work Efforts**
- **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

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- Tribal Governments in ID have been working w/ 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

# Purpose of Surveys

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## **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
- Sample size may vary

# Tribal Survey Design

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## Current Rate/Quantitative Study

- ✦ Approximately 1 hour in person interviews with Tribal members which include the use of 3-D portion models
- ✦ Follow up 20 minute phone call, the interview repeats a subset of questions on the 24-hour dietary recall (NCI method)

## Heritage Rate Study

- ✦ Evaluate historical and recent literature
- ✦ Develop range of rates for each Tribe

# Tribal Survey Implementation

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- **Board Approvals**

- Northwest Indian College IRB – March 2014
- Quorum IRB – March 2014
- EPA Human Subjects Review Board – April 2014
- Resubmit survey changes to both IRBs – end of July
  - ✦ **No major changes – not expecting comments/changes in approval**

# Tribal Survey Implementation

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- **Tribal Interviewers: Recruiting and Hiring**
  - Hired 5 Nez Perce Tribal interviewers – April 2014
  - Hired 4 Shoshone-Bannock Tribal interviewers – April 2014
  - All Tribal members
- **Training/Mentoring**
  - Full-day training for Nez Perce in Lewiston (4/5)
  - Follow-up in-person mentoring for Nez Perce (4/6-4/10)
  - Full-day training for Shoshone-Bannock in Fort Hall (4/26)
  - Follow-up in-person mentoring for Shoshone Bannock (4/27-4/31)
  - Incremental follow up mentoring

# Tribal Survey Implementation

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- **Mock interviews**
  - Conducted in April and May
  - Each interviewer conducted a minimum of two mock interviews prior to beginning the Pilot Test
- **Pilot Test**
  - Duration: approximately 7-10 days
  - Conducted in April and May after training and mentoring sessions
  - Each interviewer entered data from two “personas” during the Pilot Test phase
  - Each interviewer administered two live interviews during the Pilot Test phase

# Tribal Survey Implementation

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- **“Live” Interviews: Production Mode**
  - Nez Perce interviews began 5/10
  - Shoshone-Bannock interviews began 5/13
  - Interviewing continues for 1 year
- **Sample**
  - Nez Perce sample for Wave 1, distributed 5/8
    - ✦ Approximately 300 records
  - Shoshone-Bannock sample for Wave 1, distributed 4/26
    - ✦ Approximately 150 records
    - ✦ Added supplemental sample – fishers list which is supplied by the Tribal Fisheries Dept

# Tribal Survey Implementation

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- **Wave 1 Progress**
  - **Shoshone-Bannock**
    - ✦ **Sample update**
      - 100% of records attempted, additional searches underway
    - ✦ **1-hour in-person interviews: n=71**
    - ✦ **20-minute telephone follow-up interviews: n=43**
  - **Nez Perce**
    - ✦ **Sample update**
      - 75% of records attempted, additional searches underway
    - ✦ **1-hour in-person interviews: n=35**
    - ✦ **20-minute telephone follow-up interviews: n=18**

# Tribal Survey Implementation

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- **Quality Control**
  - **Computer-Assisted Personal Interviewing (CAPI)**
    - ✦ Most efficient mode for interviews/information collection
    - ✦ Interviewers use tablet technology to record answers from respondents
    - ✦ Comprehensive QA/QC to test programming language to ensure accuracy – supervised mock interviews
    - ✦ Created personas for testing purposes
      - High fish consumer & low fish consumer
  - **Additional QC efforts ongoing**
    - ✦ Input/output testing
    - ✦ Random spot checking

# Tribal Survey Implementation

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- **Portion Size Models**

- Salmon: rubberized life-size model of filleted salmon
- Trout: rubberized life-size model of trout
- “Indian Candy”: commercially-packaged smoked salmon
- Lamprey: 8” PVC pipe, demarcated servings
- Serving size bowls: 5 color-coded (green 2 cups, blue 1.5 cups, purple 1 cup, yellow  $\frac{1}{2}$  cup, red  $\frac{1}{4}$  cup)

- **Supplemental Photos**

- Printed booklet to be left behind for respondent reference during follow-up phone interview
  - ✦ Scale images of fish models and bowls
- Printed catalog of species photos (not represented by models)

# Schedule

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## 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 (peer reviewed)

## *Idaho DEQ Schedule*

May 2015 – *ID peer review begins*

8/4/15 – *ID Bulletin publication of proposed rule*

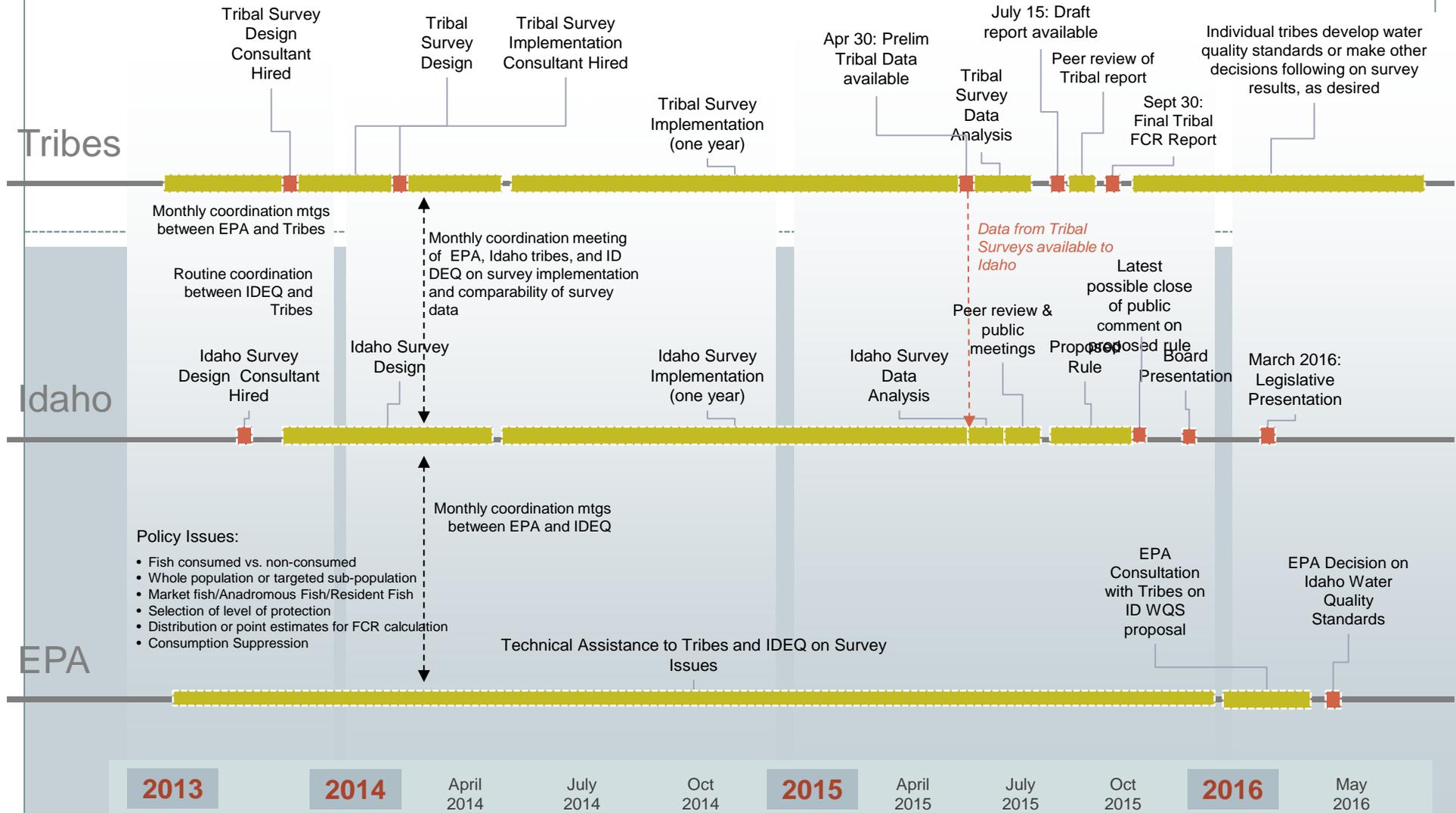
10/4/15 – *Close of ID public comment period (based on 60 day period; the comment period will be at least 30 days so the period may end before 10/4/15)*

# Tribal Heritage Rate Studies

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- Heritage rate studies will be completed for ID Tribes
- Survey implementation team has compiled a list of historical and recent literature that can be used to inform the heritage rate studies.
  - Tribal representatives are reviewing the list and providing additional resources that may be useful in developing the heritage rates.
- Draft heritage studies to tribes in Fall 2014
- Final studies will provide a range of rates specific to each Tribe – expected March 2015

# Timeline for Idaho Tribal Fish Consumption Work Effort



# Next Steps

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- **Continue collaboration with Tribal Govts/Consortia /ID DEQ/EPA to coordinate work efforts**
- **Continue in-person fish consumption survey interviews with Nez Perce and Shoshone-Bannock tribal members**
- **Continue data gathering for heritage rate studies**