

# Update

## Tribal Governments in Idaho Fish Consumption Surveys

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IDAHO NEGOTIATED  
RULEMAKING MEETING  
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5/21/2014

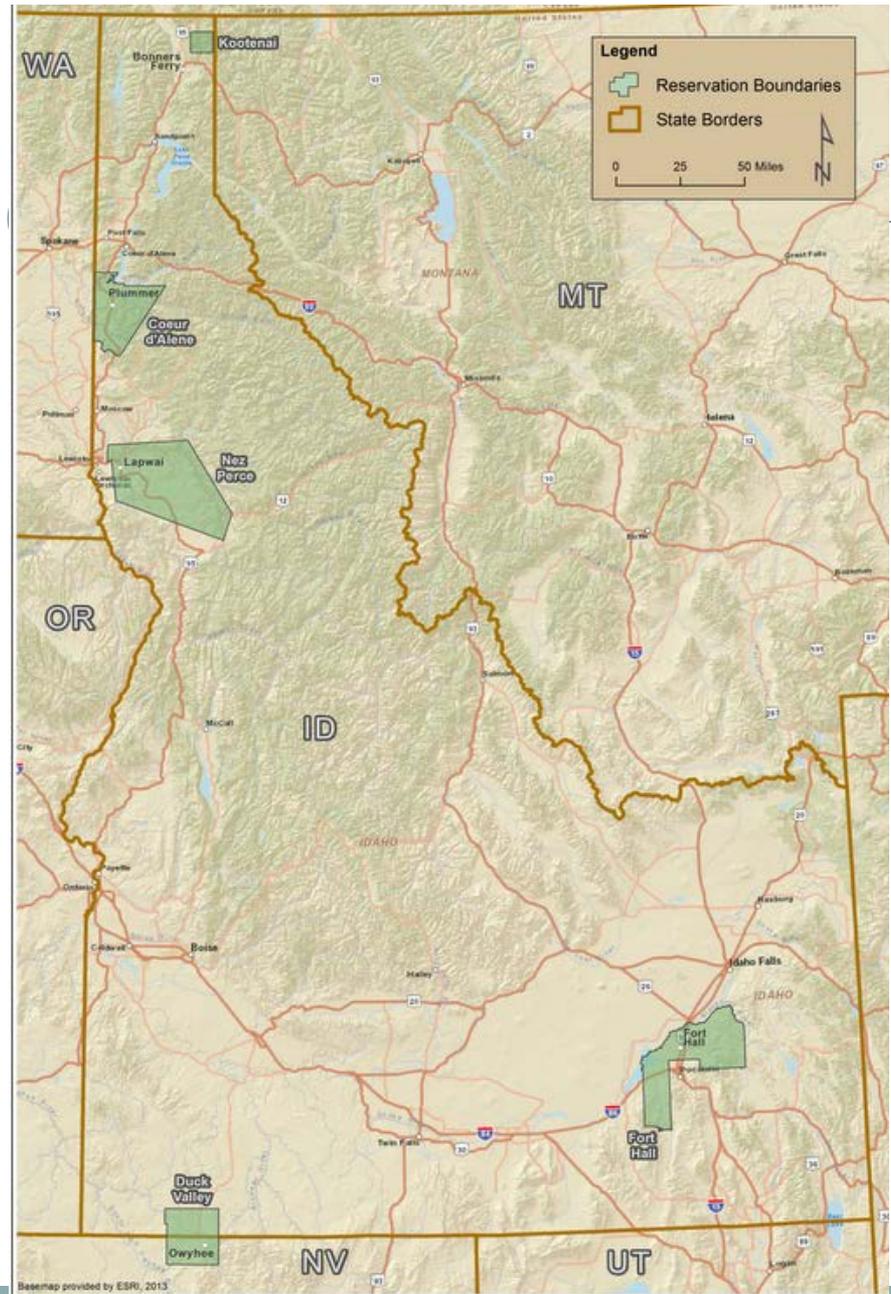
# Update: ID Tribal Fish Consumption Surveys

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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 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

# 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

- ✦ 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

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## 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 Survey Implementation

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- **Board Approvals**

- **Northwest Indian College IRB**

- ✦ Submitted survey design for review and consultation
- ✦ IRB provided consultative feedback (3/16)
- ✦ All recommendations implemented prior to Pilot Test

- **Quorum IRB**

- ✦ Submitted survey design for review and approval
- ✦ IRB granted exemption request (3/26)
- ✦ Survey design approved (3/26)

- **EPA Human Subjects Review Board**

- ✦ Submitted survey design for review and approval
- ✦ HSRB Officer approved survey design (4/14)

# Tribal Survey Implementation

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- **Tribal Interviewers: Recruiting and Hiring**
  - Recruited 30 qualified Tribal interviewer candidates
  - Hired 5 Nez Perce Tribal interviewers (week of 4/1)
  - Hired 4 Shoshone-Bannock Tribal interviewers (week of 4/22)
- **Training**
  - 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)

# 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 on 5/10
  - Shoshone-Bannock interviews began on 5/13
  - Interviewing continues for one year
- **Sample**
  - Nez Perce sample for Wave 1, distributed 5/8
    - ✦ Approximately 300 records
  - Shoshone-Bannock sample for Wave 1, distributed 4/26
    - ✦ Approximately 100 records

# Tribal Survey Implementation

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- **Quality Control**
  - **Computer-Assisted Personal Interviewing (CAPI)**
    - ✦ Conducted independent testing of CAPI programming (skip logic, branching, piping, min/max ranges, etc.)
    - ✦ Conducted one-on-one, supervised mock interviews to ensure accurate data entry and hardware/software use
    - ✦ Created personas for testing purposes
      - Persona of high fish consumer
      - Persona of low fish consumer
  - **Additional QC efforts ongoing**
    - ✦ Input/output testing
    - ✦ Interviewer data entry comparisons
    - ✦ 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

## *Idaho DEQ Schedule*

*May 2015 – ID peer review begins*

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

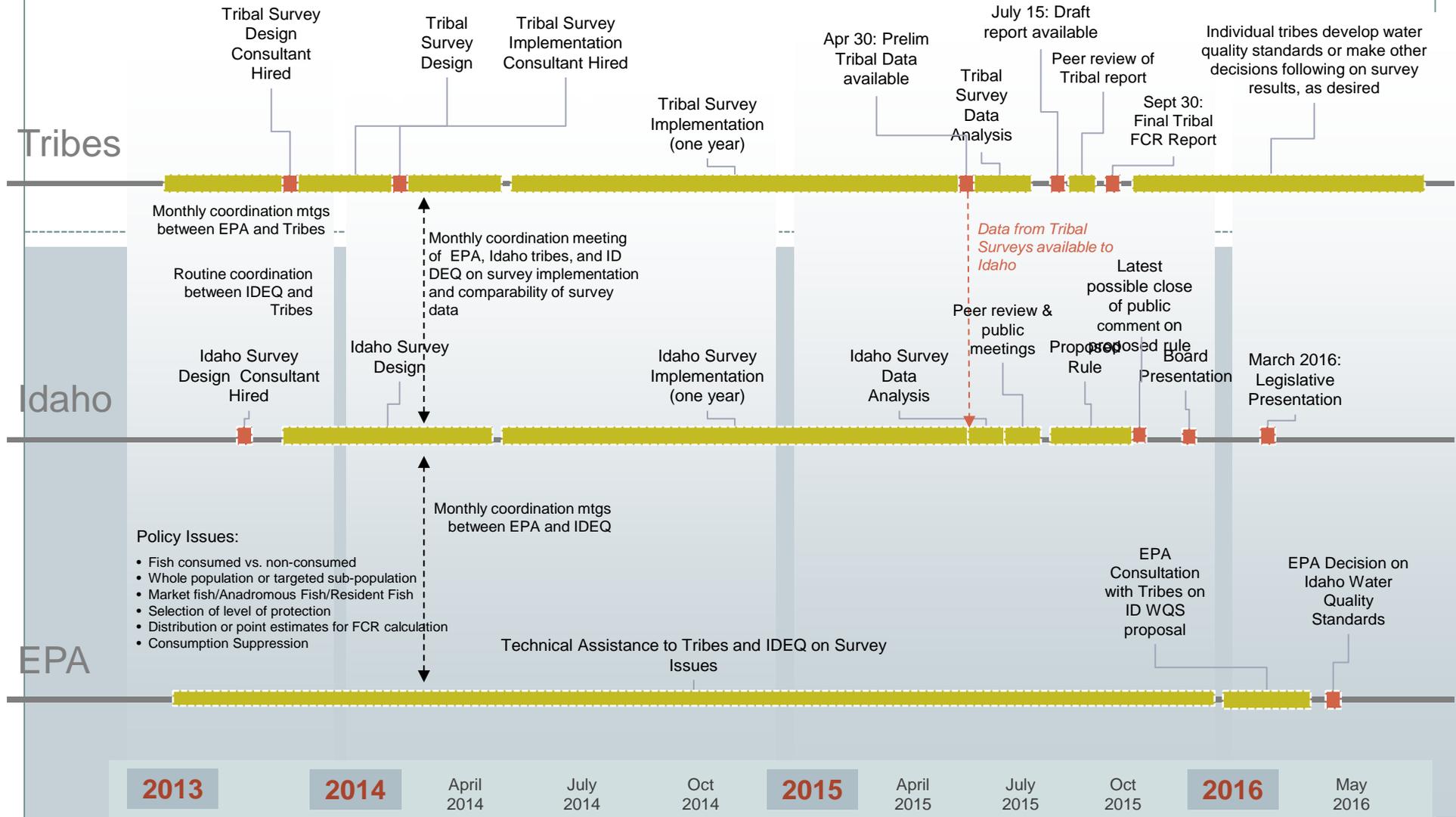
*10/4/15 – Close of ID public comment period (based on 60 day period; the comment period will be at least 30 days so the period may end before 10/4/15)*

# Tribal Heritage Rate Studies

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- Heritage rate studies will be completed for all five 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 in the process of reviewing the list and providing any additional resources that may be useful in developing the heritage rates.
- Final study will develop a range of rates.

# Draft 3/19/2014: Revised 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.