

# Proposed Study Plans Meeting Summary

Discussion Topics List  
FERC Project No. P-14110  
November 2012

## Aesthetic Resources

- Include examples of project features like a powerhouse or an inflatable diversion within the final study report for reference.
- Lighting impacts
- PME's: lighting and possible enhancements such as viewpoint or trail development.
- Additional KOPs at intake and powerhouse sites (multiple viewing angles looking at Project features from river)

## Fish Passage

- Include fish screening component
- File a "PAD Supplement" describing intake alternatives (BCH)
- "Natural Channel" Fish Passage an alternative
- Include discussion of maintenance issues in final study report.
- Sediment deposition and inflatable diversion operation
- Attraction Water
- Passage over deflated diversion
- Avoid Stranding
- Consider passage for species beyond rainbow and cutthroat

## Fisheries

- "Control Reaches" definition
- Water Temperatures
- Cumulative Effects (include discussion of other proposed projects on system)
- Suggestions to include "Mark and Capture Program," Drift Studies, Diet Studies, Benthic Studies
- Macroinvertebrates (ECY: Chris Maynard)
- Identify transects/snorkeling locations from past studies, scheduling, comment opportunity on location of any new transects.
- Mollusks

## Geomorphology, Sediment, and LWD

- Include a discussion of "Operational Alternatives" (inflatable diversion) to describe how bedload is passed and, potentially, "Design Alternatives" in final study report.
- Relationship between gravel in low flow and macroinvertebrates

- BMPs to avoid burst of sediment and fine/suspended sediment avoidance
- Sediment Management Plan as a deliverable

### Hydrology

- Flood Hazard and Alternative B (no diversion structure)
- Stream Gage Numbers on Study Plan (include table summarizing gages)
- Amphibians and Mollusks (§7.2)
- IHA/RVA model (see “Instream Flow”)
- Natural Vegetation Improvement as potential PM&E

### Instream Flow

- 1985 IFIM
- IHA/RVA
- “Suitability Criteria”
- Pool Connectivity
- Workgroup (possibly transect siting, suitability curves, etc.)
- Deep Pools and Accuracy Issues
- Amphibians and Mollusks
- WAC & Minimum Instream Flows

### Noise

- Distance Measured (see USFW/WDFW/WDOT guidance)
- Relate to Wildlife Study Plan
- Defining Extent of Boundaries
- Scheduling
- Procedure on Noise Sampling
- Modeling (include citation)
- Intake Noise
- Elaborate on example facilities which could be used to develop noise estimates

### Recreation

- Access remains fluid
- Internet Surveys
- Include example of question types in Revised Study Plan
- Future Demand and Expansion Opportunities
- Quality of Experience Evaluation

### Boating

- Liability Issues
- Additional Methodology Specifics (AW)
- Winter 2012-2013 season if possible

### Water Quality

- Temperature and Turbidity
- Measure above Ernie's Grove to remove added contamination
- Dissolved Oxygen
- Water Quality and Discharge Relationship
- Monitoring and Frequency Table (see Jackson project for example)(ECY: Monika Kannadaguli)
- Water Quality in Tailrace
- Modeling

### Wildlife, Vegetation and Sensitive Habitats

- Species Specific (Why or why not?)
- WDFW PHS
- PHS includes a habitat component (sensitive habitats)
- "Splash Zone"
- Periphyton

### General

- Communication Protocol (BCH)