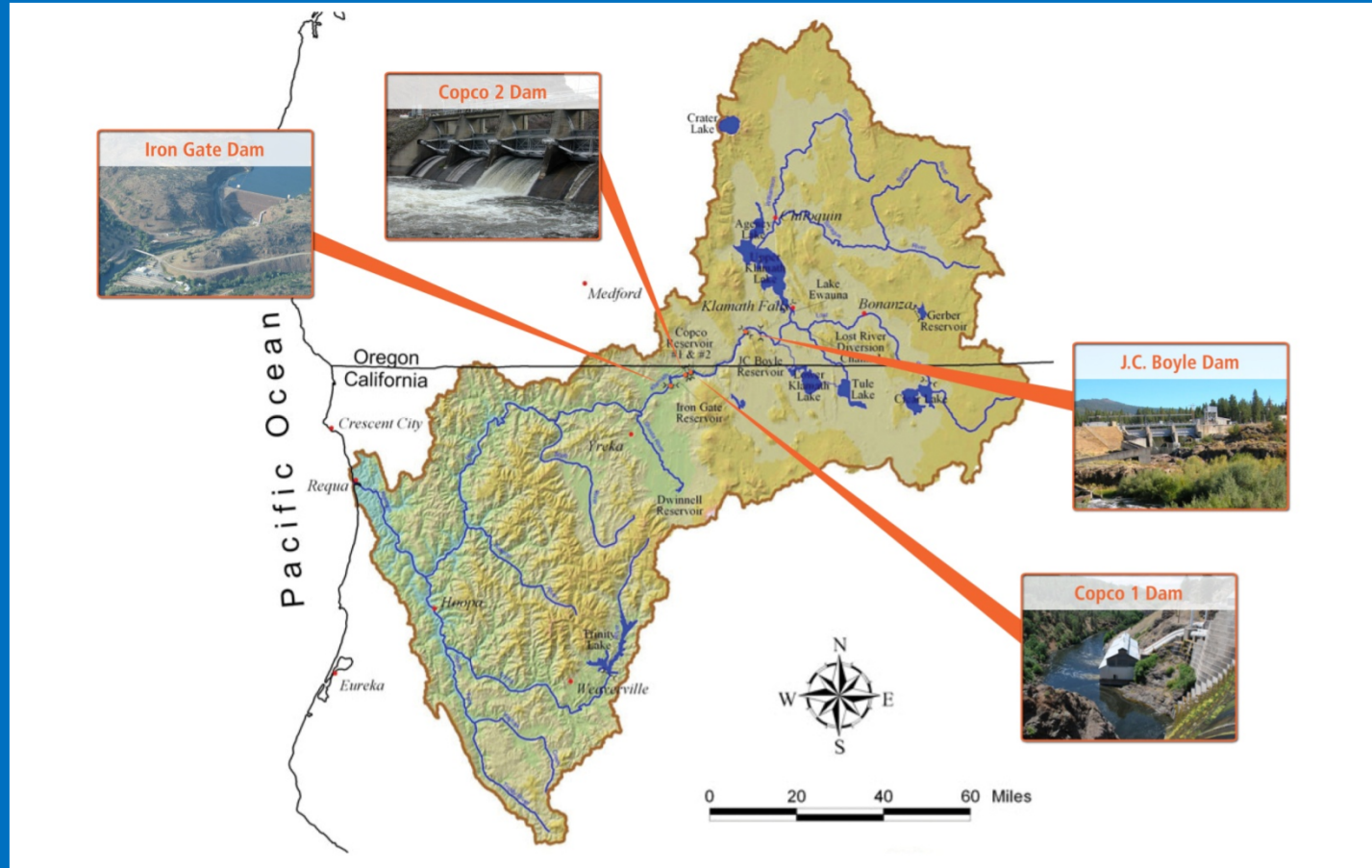


Secretarial Determination on Klamath River Dam Removal

**Public Information Meeting
Eureka, CA
September 29, 2010**





Klamath Settlement



What are KHSA and KBRA?

Secretarial Determination (SD) is on KHSA

KBRA is considered because it is a connected action

Federal team tasked with developing info for
Interior Secretary (and Commerce and Ag)

Timeframe for completing SD (March 2012)



Klamath Basin Hydroelectric Settlement Agreement (KHSA)

The Klamath Hydroelectric Settlement Agreement (KHSA) lays out the process for studies, environmental review, and a Secretarial Determination as to whether removal of four dams owned by PacifiCorp:

Will advance restoration of the salmonid fisheries of the Klamath Basin?

Is in the public interest, which includes local communities, tribes, and the nation?



Klamath Basin Restoration Agreement (KBRA)

The Klamath Basin Restoration Agreement (KBRA) is intended to result in effective and durable solutions which will:

Restore and sustain natural fish production and provide for full participation in ocean and river harvest opportunities

Establish reliable water and power supplies which sustain agricultural uses, communities, and National Wildlife Refuges



Components of the KBRA

Fisheries Restoration Plan

Fisheries Reintroduction Plan

Fisheries Monitoring Plan

Water Diversion Limitation and Pumping Plan

Water Rights Purchase Plan

Drought Plan

Environmental Water Plan

Counties' Impacts-Mitigation and Benefits Program

Tribal Programs

Establishment of wildlife refuge water allocation

Additional water conservation and storage actions

Klamath Settlement



Klamath Dams – JC Boyle

J C Boyle Dam

- Combination Embankment and Concrete Dam
- 68 feet Tall - 413.5 feet Long
- Storage 3,495 acre-feet
- 420 Surface Acres
- Conveyance System Between dam and Powerhouse 2.56 miles



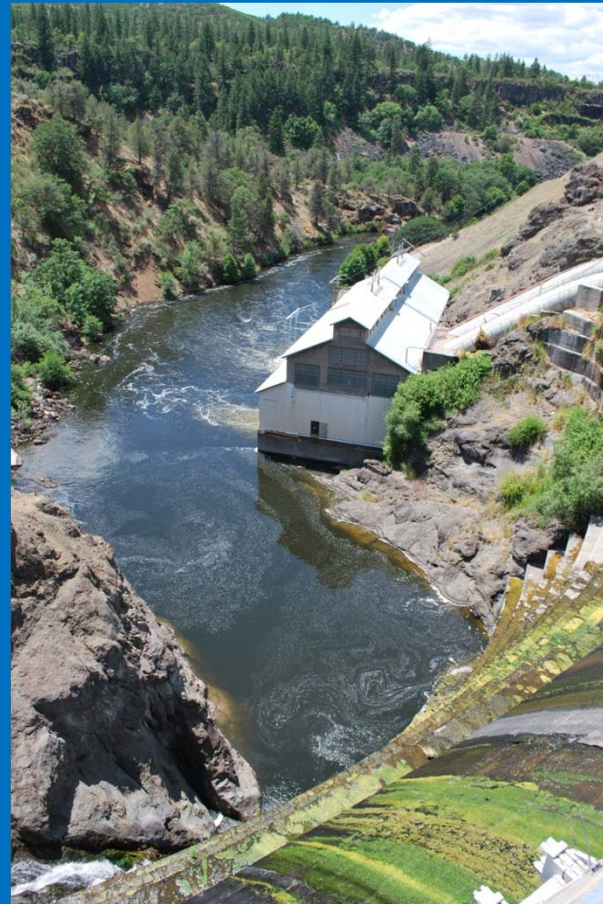
Klamath Settlement



Klamath Dams – Copco 1

Copco 1 Dam

- Concrete Gravity Arch Dam
- 115 feet Tall – 410 feet Long
- Storage 15,200 acre-feet
- Surface Area 1,000 acres



Klamath Settlement



Klamath Dams – Copco II

Copco 2 Dam

- Concrete Gravity and Earth Embankment
- 33 feet Tall – 335 feet Long
- Storage 73 acre-feet
- Surface Area 10 acres



Klamath Settlement



Klamath Dams – Iron Gate

Iron Gate Dam

- Earth Embankment
- 189 feet Tall – 740 feet Long
- Storage 58,794 acre-feet
- Surface Area 944 acres



Klamath Settlement



Four Overarching Issues to be Addressed for the Secretarial Determination

1. Would dam removal and connected actions benefit fish, with emphasis on salmonids?
2. Would dam removal and connected actions be in the public interest for local communities, tribes and nation as a whole?
3. Development of a detailed plan for dam removal and stream bank stabilization, and the associated costs.
4. Should DOI be the Dam Removal Entity (DRE) and what are the potential risks and liabilities of dam removal for a DRE?

Klamath Settlement



Science Processes for the Secretarial Determination

- Transparent and objective
- Thorough and will fill all important data gaps
- Reflect accurate and high quality science and data collection
- Include peer review of new reports and data sets
- Include critiques of important non-peer reviewed reports



Would it benefit fish, with emphasis on salmonids?

- Reports on hydrology, water quality, sediment transport, and water temperatures with and without the two agreements
- Synthesis report on potential effects of KHSA and KBRA on multiple fish species
- Fall Chinook production model with and without the two agreements
- Four expert panels to provide an independent view of KHSA and connected actions on multiple fish species



Would it be in the public interest for local communities, tribes and nation as a whole?

- Economic effects on communities at county level when possible, or regional level
 - Commercial fishing
 - Recreational fishing
 - Other recreational activities
 - Hydropower
 - Effects on agricultural communities
 - Changes to real-estate values
 - Changes to county tax bases and employment
- * Non monetary effects on tribes, which include:
 - Subsistence fishing
 - Tribal member health
 - Ceremonial values
 - Cultural values
- * Non-use valuation study to gauge national view of the value of dam removal and connected actions

Klamath Settlement



Development of detailed plan for dam removal and sediment stabilization, and the associated costs

- Detailed plan on dam removal
- Plan for reservoir stream bank stabilization if dams removed
- Cost estimates for dam removal and stream bank stabilization



Should DOI be the Dam Removal Entity (DRE)?

Identify potential risks and liabilities of dam removal

- Hydrology -- frequency of droughts and floods
- Infrastructure (e.g. Yreka water pipeline)
- Effects to humans
 - Sediments left in place in reservoirs (new terrestrial landforms)
 - Sediments transported downstream and left in channel and on stream banks
 - Sediments left in existing reservoirs (if dams are not removed) -- consumption of fish



Update on Science Studies

- Sediment Chemistry Data (Aug. 2010)
- Upcoming Studies (To be posted on KlamathRestoration.gov)
 - Engineering
 - Economics
 - Hydrology
 - Fish biology/expert panels
 - Water Quality



Preliminary Sediment Chemistry

- Samples collected from JC Boyle, Copco 1 and Iron Gate reservoirs.
- Analyzed a broad range of chemicals
- Preliminary analysis indicate human health is not at risk due to contact with the sediment.
- Confirms the findings of previous reports regarding the low-level presence of chemicals in the sediment behind the dams, including PCBs and dioxins.
- Data from this report is available at KlamathRestoration.gov.



Secretarial Determination Overview Report

- Will be a foundational report for the Secretarial Determination
- Target date for completion is Fall 2011
- Draws on new and existing information
- Will provide information around the four themes
- Will have opportunity for public comment



Environmental compliance process

- EIS/EIR will use results from SD studies, as needed
- Scoping meetings
- Scoping report
- Alternatives development, action and no-action
- Considerations to screen this list of alternatives to the ones to be considered in detail
- EIS/EIR preparation schedule
- Plans for public input on draft



Public Outreach on Secretarial Determination Issues

- Update on KlamathRestoration.gov
- Posting of SD Science Studies
- Public input on EIS/EIR
- Public input on Secretarial Determination Overview Report
- Future public meetings and technical workshops



Questions?

KlamathRestoration.gov

