

Columbia River Treaty Review

Known Interests from other Programs

- Mica, Arrow, Duncan

Presented at Public Consultation Sessions

Spring, 2012



FOR GENERATIONS

Sources for known interests

Previous Processes and other Programs:

- Fish & Wildlife Compensation Program
- Water Use Plans – Columbia & Duncan
- Non-Treaty Storage Agreement discussions

Operating experience:

- Mica, Revelstoke, Arrow, Duncan
- Kootenay Lake & downstream powerplants
- Libby / Koocanus

Fish And Wildlife Compensation Program

Program:

- partnership: BC Hydro, Province, and DFO
- collaboration with First Nations, local governments, community & environmental groups, local businesses.

Projects in Columbia Basin:

- > 600 projects funded in the Columbia region
- > \$4 million per year invested in conservation & enhancements

Lake restoration: fertilization program

Habitat restoration & land acquisition

Species monitoring & inventory

Water Use Plans – Columbia & Duncan

General:

- engaged all stakeholders in reviewing water management.
- explored operational changes to better balance economic, social, & environmental interests.
- recommended review dates

Three Components:

- changes to reservoir operations
- physical works instead of operational changes
- monitoring studies to inform future decisions

Water Use Plan Operational Results

Columbia Water Use Plan – example outcomes:

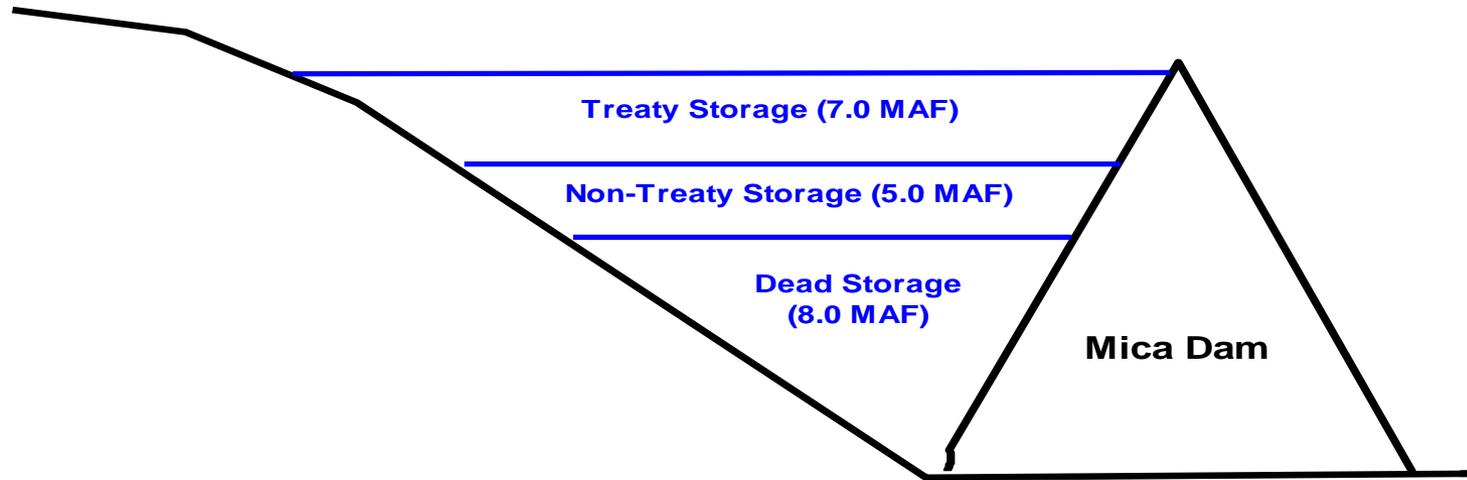
- Negotiated flows for whitefish & rainbow trout
- Year-round minimum flow at Revelstoke
- Soft operational constraints for Arrow

Duncan Water Use Plan – example outcomes:

- Minimum & maximum flow targets for fish & flooding
- Upstream migration of bull trout using dam outlets

Physical Works and Monitoring Studies

Non-Treaty Storage Agreement (April 2012)



Interests:

- Interests expressed were consistent with those raised during the Columbia WUP (with a few additions and refinements).
- Opportunities for improved Valemount dust monitoring.
- Lack of archaeology inventory for Kinbasket, so studies will be done earlier



Known Interests from WUP & NTSA

Fish and Aquatic Resources:

- kokanee, whitefish, trout, white sturgeon – reservoir levels & flows
- nutrient restoration program for reservoirs

Wildlife and vegetation:

- wetlands, bird nesting – prefer lower reservoir levels

Archeological sites:

- identification & protection of sites – either low or high reservoir levels

Recreation & commercial interests

- prefer higher &/or steadier reservoir levels
- boat ramps, debris clean-up

Known Interests from WUP & NTSA (2)

Flooding:

- prevent downstream flooding & reservoir surcharging

Navigation

- ferries and log bundle transport – avoid very low reservoir levels

Transportation

- ferries and log bundle transport – avoid very low reservoir levels

Dust

- may be worse at low reservoir levels

Power

- Need full use of reservoir
- Higher reservoir level -> higher head, but higher chance of spill

What have we missed ?