HERITAGE & CULTURE

Minimize impacts and maintain access to archaeological sites

Projects

Key Questions

Monitoring Studies
HERITAGE AND CULTURE

- Performance Measures
- Heritage Management Plan
- WUP was submitted to the Comptroller of Water Rights (July 2006)
SOFT CONSTRAINT TARGETS

• January 2007 the Comptroller of Water Rights approved the WUP and issued an Order for BC Hydro to implement:

1. Archaeological overview assessment

2. Non-intrusive erosion monitoring of archaeological sites

• Soft constraint targets recommended by consultative committee
HERITAGE & CULTURE

Soft Constraint Target

• Maintain reservoir water levels at or below 436 m (1430 ft.) for as long as possible

• Flexibility to achieve higher reservoir levels for 20% of the year
SOFT CONSTRAINT TARGET CONTEXT

Consultative Committee thought:

- Only a few documented sites were located in Arrow

- A singular landform (an escarpment) located at 1,436 ft. (438 m) was thought to have particularly high archaeological potential
The elevation of 43 archaeological sites is unknown as they are located below the surface of the water.
Minimize impacts and maintain access to archaeological sites

Projects

Key Questions

Monitoring Studies

• WUP Project Archaeological Impact Assessments

• Archaeological Overview and Wind and Wave Erosion Studies

• Reservoir Archaeology Program (RAP)
MONITORING STUDIES

- CLBMON-50
  Arrow Lakes Reservoir Heritage Monitoring Wind and Wave Erosion

- CLBMON-52
  Arrow Archaeological Site Overview Assessment
CLBMON#50
WIND AND WAVE EROSION

- Initiated in 2009
- Completed 4 of 5 years
- Site Selection
  - 3 Monitoring Stations in Revelstoke Reach
  - 3 Monitoring Stations in the Nakusp Narrows
All six monitoring stations show changes each year.

So far, no obvious patterning to erosion or accumulation of sediments.

One more year remaining in study.
CLBMON#52
OVERVIEW

- 2 Year overview study of Arrow Lakes reservoir (2007-2008)
- Year 1 Revelstoke Reach
- Year 2 Lower Arrow Lakes
CLBMON#52
FINDINGS

• 26 new sites located
• Vegetation and site protection focus
WUP PROJECT
ARCHAEOLOGICAL IMPACT ASSESSMENTS

- 17 boat ramps sites
- 3 proposed wetland rehabilitation sites
RESERVOIR ARCHAEOLOGY PROGRAM

- Compliance with Heritage Conservation Act
- Phase 1 – Archaeological inventory and development of Archaeological Management Plan (AMP)
- Phase 2 – Implementation of AMP
RESERVOIR ARCHAEOLOGY PROGRAM INTERIM FINDINGS

- 3 of a planned 10 years conducted (2011-2013)
- 44 archaeological sites revisited
- 27 sites newly identified
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