

Colliery Dam Park Preservation Society

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COLLIERY DAM PARK

WHAT INFORMATION
IS
REQUIRED



PROCESS

We learned:

- ▣ Highly technical information is incomplete
- ▣ Golder stated that they were pressured to produce results in a short time period



REHABILITATION OPTIONS

Rehab options first based on
worst dams in BC

Reality is that the dams need
much less than originally
thought



TESTING

- ❑ Concrete in good condition
- ❑ Rebar - large, abundant and in good condition
- ❑ Buttressing – large rock, OVER 40 FEET THICK
- ❑ Lower Dam pinned into massive bedrock



TESTING

Seismic testing

- ▣ Will not fail only crack
- ▣ Unlikely failure will take hours not minutes

Hydrological testing

- ▣ Water release times less than originally thought
- ▣ No deaths and little damage



TESTING

Flood Testing:

- ▣ How will the dams react in a flood
- ▣ Study not done
- ▣ Raises significant uncertainties



RESULTS

Dams in good current condition

Risk Analysis determined

- ▣ Probability of even one fatality occurring is minimal
- ▣ Incremental property damage minimal in relation to the actual event



COSTS

Present options may not be optimal and cost effective

Options presented may be excessive for little gain

Final testing will determine requirements



LEAST INVASIVE

Options from Golder require
large constructability with
serious impact to the park



IS THE WORK COMPLETE?

A lot of good work has been completed
Good information has been received
We are very close to having all the
information required to make a good
decision



NEXT STEPS

- ▣ **Hydraulic study is the LAST piece of the puzzle**
- ▣ **Hydraulic study needs to be done to establish criteria for options**
- ▣ **Important to take the time in order to make the best decision with complete information**



COLLIERY DAM PARK PRESERVATION SOCIETY

THANK YOU