CONCEPT SUMMARY:
- Preserve open water lake habitat
- Construct diversion structure to manage sediment and flow
- Modify Jewel Lake to create a bypass channel
- Continual operation and maintenance of diversion structure required for fish passage
- Retain and expand the riparian boardwalk
- Include interpretive opportunities and elements

COST ESTIMATE: $14.4 - 18.3 m*

- Design & Permitting: $0.7 - 0.8 m
- Construction & Administration: $9.1 - 11.5 m
- Operating & Maintenance (50-yr): $4.7 - 6.0 m

PROJECT GOALS:
- Enhance native species habitat
- Provide salmonid passage
- Provide sediment continuity
- Maintain level of public access
- Maintain / provide a "destination" for the public
- Maintain lake as open water

* Costs for Design and O&M are presented as present day (2021). Costs for construction are escalated to 2026 dollars. Total represents costs over the project’s 50 year life cycle.
CONCEPT 4 | CREATE BYPASS CHANNEL, MODIFY LAKE

JEWEL LAKE STUDY ILLUSTRATIVE SECTIONS

12 APRIL, 2022

EXISTING TILDEN NATURE AREA

CONCEPT FOUR PROJECT AREA

EXISTING TILDEN NATURE AREA

SECTION A

SECTION B