Idaho Department of Environmental Quality

Coeur d'Alene Lake Management Update

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March 15, 2023

Coeur d'Alene Lake Management Updates

- National Academy of Science 3rd party review of Coeur d'Alene Lake data

- Leading Idaho Initiative & Coeur d'Alene Lake Advisory Committee

National Academies of Science, Engineering, and Medicine (NAS)

- 3rd party review of Coeur d'Alene Lake data
- Sponsors: Idaho DEQ, Kootenai County, EPA
- Scope
  - Evaluate current water quality (nutrients/metals)
  - Impacts of anoxia on nutrients and metals
  - Impacts of zinc levels on algal growth
  - Future implications of current trends
  - Relevance of metals release to human/ecological health risks

National Academies of Science, Engineering, and Medicine (NAS)

- Final report issued September 30, 2022
- Our Gem Collaborative hosted NAS:

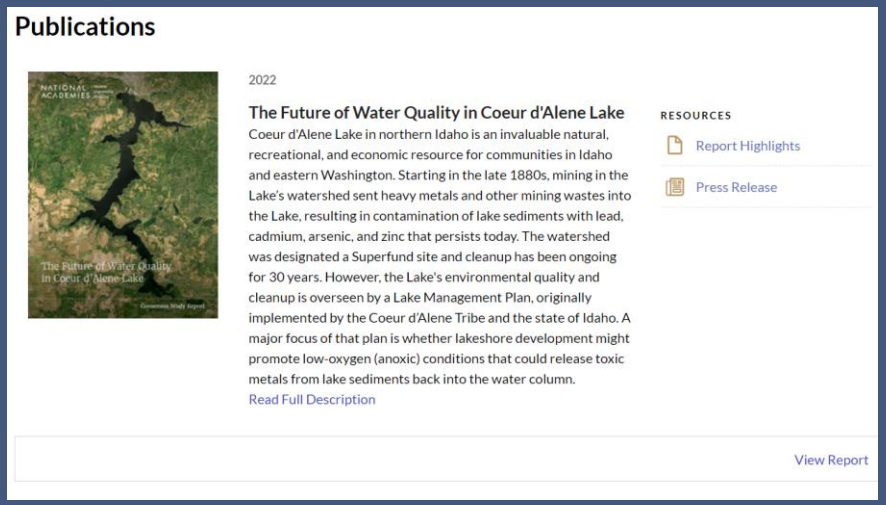
  Hagadone Event Center, November 15, 2022

NAS Report

- Metals, nutrients concentrations from major inputs declined over last decade
- Lower Basin contains large amounts of contaminated sediments (lead reductions from SF CdA River offset by Lower Basin releases)
- Total in lake phosphorus in the last 10 years shifted from a long-term increase to no trend; still approximately double the level from the 1990's
- In-lake metals declining
- Monitoring improvements needed
- Future water quality considerations: climate change, population influx may slow or reverse desirable trends

NAS Recommendations

- Science coordination team
- Watershed monitoring (incoming rivers and streams)
- Bays and shallower areas
- Ecological monitoring
- Human health risks
- Wastewater treatment upgrades



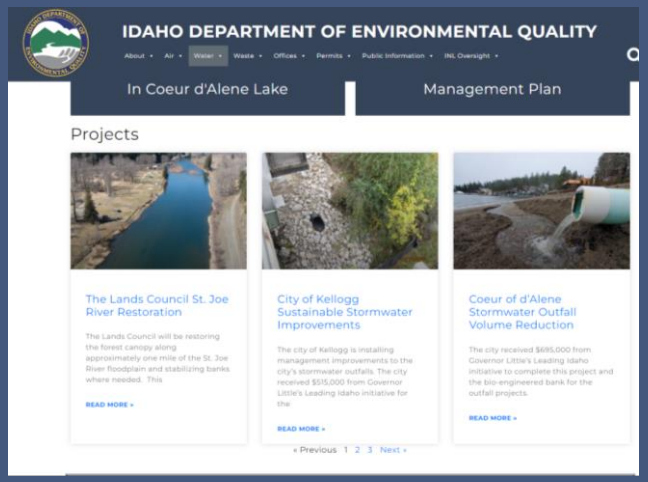
www.nationalacademies.org/our-work/the-future-of-water-quality-in-coeur-dalene-lake

Leading Idaho

- $2 million for Coeur d'Alene Lake State FY 2022
  - Stormwater
  - Nonpoint Source
- ARPA Leading Idaho
  - $20 million (2023-2026)
  - CLAC meeting December 2022
    - Ranked $3.6 million in project applications
    - Tabled remaining decisions pending more info on
      - Potential wastewater upgrades
      - National Academy of Science CdA Lake report recommendations

Leading Idaho

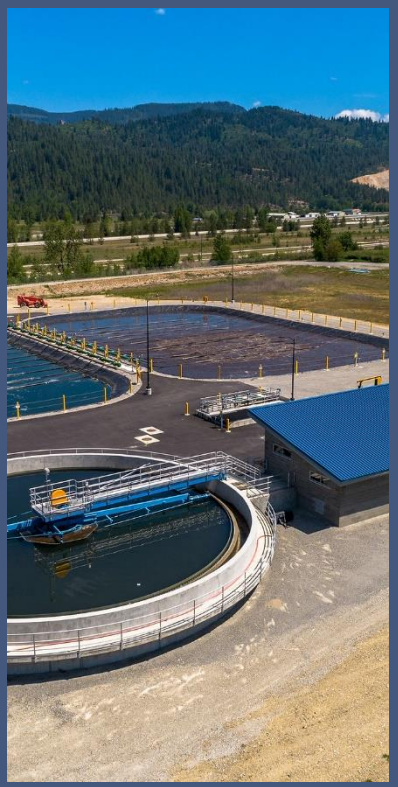
- First $2 million
  - Stormwater
    - City of Coeur d'Alene
    - City of Kellogg
    - East Side Hwy District
  - Nonpoint Source
    - Mica Creek bank stabilization



https://www.deq.idaho.gov/leading-idaho-and-the-coeur-dalene-lake/

Leading Idaho

- ARPA Leading Idaho
  - $20 million (2023-2026)
  - Additional $11 million
  - CLAC meeting March 23, 2023
    - Previous applications
    - Wastewater upgrades
    - NAS recommendations



Thank you

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