



Coeur d'Alene Lake Management Plan



Background

- Bottom sediments of Coeur d'Alene Lake have high concentrations of trace metals (e.g. lead, zinc, cadmium).
- In 2001 the U.S. Supreme Court affirmed that the United States, as trustee, and Cd'A Tribe as beneficiary, hold title to the bed and banks of most of the lower one-third of the lake and lower St. Joe River.
- The EPA 2002 Record of Decision (ROD) deferred a CERCLA clean-up remedy for the lake, and instead advised a LMP to be developed by DEQ, Tribe, and stakeholders.

Additional Background:

- Idaho DEQ and the Cd'A Tribe have water quality authorities and jurisdictions under the federal CWA.
- Land-use management is done by the basin stakeholders.
- Since 2002, DEQ and the Tribe, along with an array of governmental agencies and community stakeholders, have been trying to finalize an updated LMP. A final LMP published March 2009; signed by Coeur d'Alene Tribal Chairman Chief Allan and Governor Otter, and forwarded to EPA.



Coeur d'Alene Lake Management Plan **Beginning Objectives**



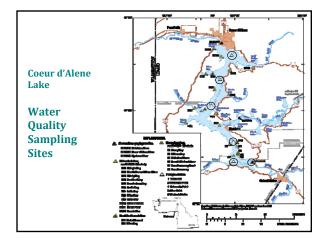
- 1. Improve Scientific Understanding of Lake Conditions.
- 2. Establish and Strengthen Partnerships.
- 3. Develop and Implement a 3-Year Nutrient Source Inventory.
- 4. Increase Public Awareness of Lake Conditions.
- 5. Establish Funding Mechanisms to Support the LMP Goal, Objectives, and Strategies.

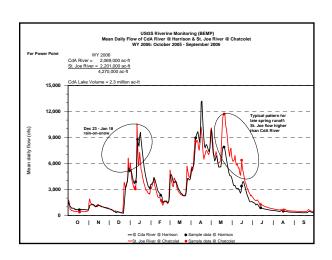
Table A1. Monitoring and research studies conducted in Coeur d'Alene Lake

April, July, & September (U.S. EPA, 1977)

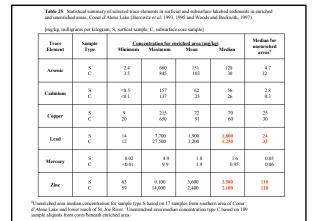
1998 - 2001: USGS study of benthic flux of metals and nutrients from sediments (Kuwabara *et al.*, 2000 and Kuwabara *et al.* 2003)

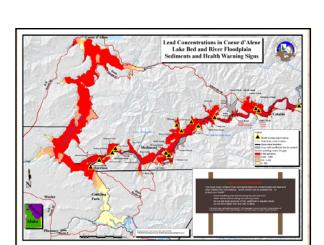
2004 – 2006:
USCS, University of Western Australia – Centre for Water
Research, and Coeur d'Alene Tribe – development of ELCOMCAEDVM computer model specific for Cd'A Lake
(Dallimore et al., 2007 and Hipsey et al. 2007)

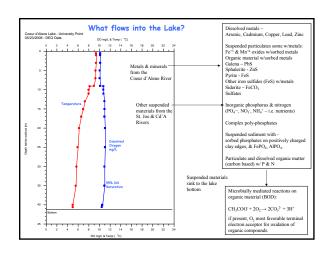


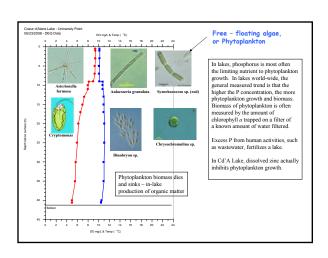


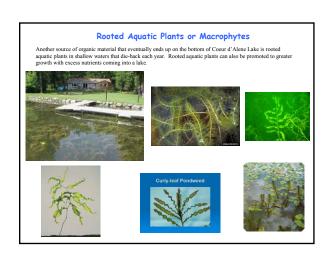


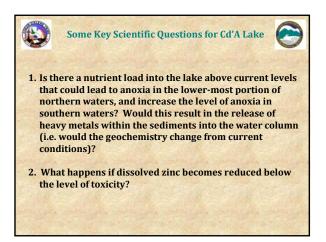


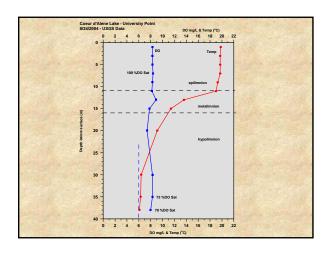


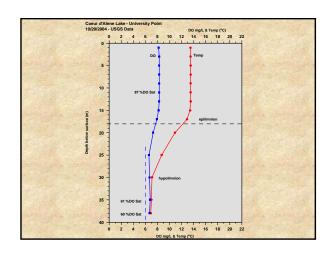


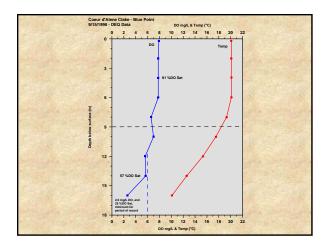


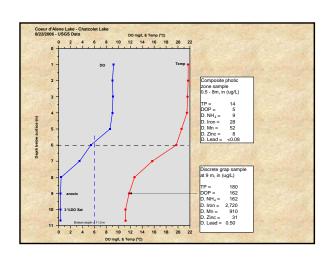


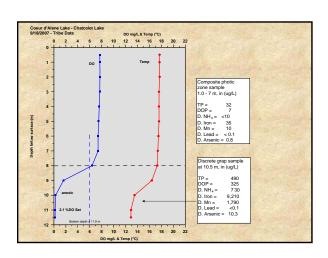


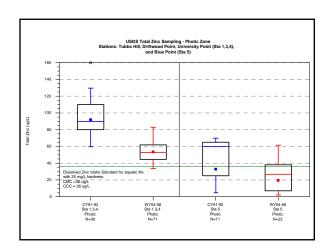


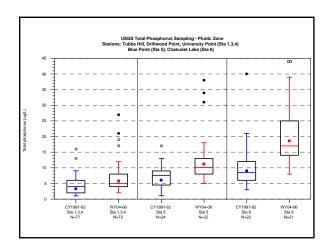


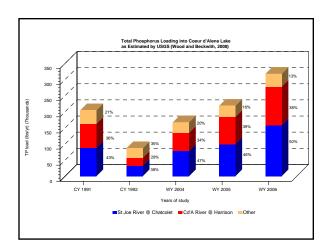


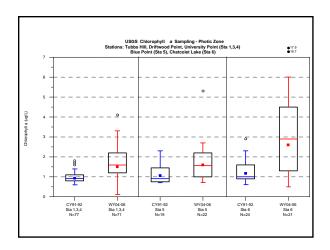


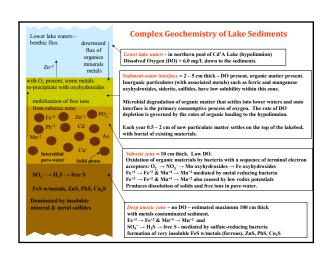




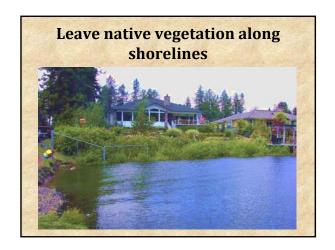


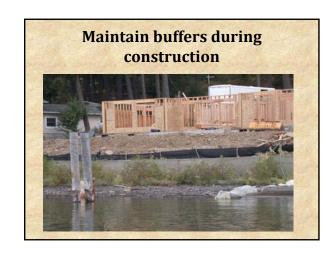


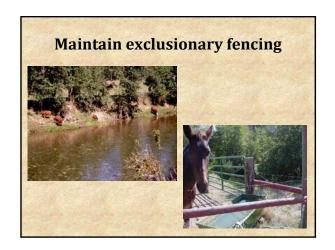




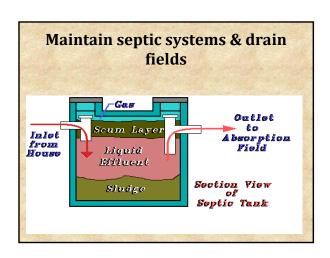














What the Tribe and DEQ are doing today:

- Water Quality monitoring within the Lake
- Developing a Needs Assessment for Ed/Outreach Program
- Updating Lake*A*Syst materials
- Designing the 3-Year Nutrient Source Inventory (St. Maries/St. Joe watersheds)



