Accomplishment Report 2025

Basin Environmental Improvement Project Commission

2025 Accomplishment Report

Public Outreach & Citizen Involvement

- BEIPC
- EPA
- IDEQ & PHD

Environmental Cleanup Work

- Lead Health Intervention Program (LHIP)
- Basin Property Remediation Program including Private Drinking Water Supply
- Contaminated Waste Disposal and Management
- Upper Basin Remedies
- Lower Basin Remedies
- State of Washington Projects
- Recreational Sites
- Basin Environmental Monitoring

Other Activities and Responsibilities

- Lake Management Activities
- Restoration Partnership

Public Outreach & Citizen Involvement

Public Outreach & Citizen Involvement

BEIPC Community Involvement Activities

- Updated website with new logo, created new newsletter to share information with stakeholders, shared important information with partners and attended outreach events.
- Presented at 10 different stakeholder meetings and conferences reaching over 460 people.
- The BEIPC provided over 26 articles for the Dirt Collaborative.

EPA Community Involvement Activities

- Produced documents providing updates on work, sampling results, Basin tour, restoration work, Basin Bulletin and more.
- Provided staff support and regular participation at meetings of the BEIPC, CCC, and TLG.
- Project managers met as requested with local officials, interest groups, and others to provide updates and answer questions.

DEQ and Panhandle Health District Community Involvement Activities

- Conducted annual blood lead screening for **352 people**.
- Hosted a lead safety poster contest for area third through fifth grade students.
- Conducted 6 in-home follow-ups for individuals with high blood-lead levels or elevated house dust.

Environmental Cleanup Work

Lead health intervention program

	2021*	2022*	2023	2024	2025
Number of Children	19	40	94	129	126
Minimum (µg/dL)	<1	<1.0	<1.9	<1.9	<1.9
Maximum (µg/dL)	7	30	7	14.8	22
Average (µg/dL)	1.9	4.2	2.0	2.4	2.1
Geometric Mean (µg/dL)	1.5	2.2	1.8	2.0	1.7

2025 Blood lead screening

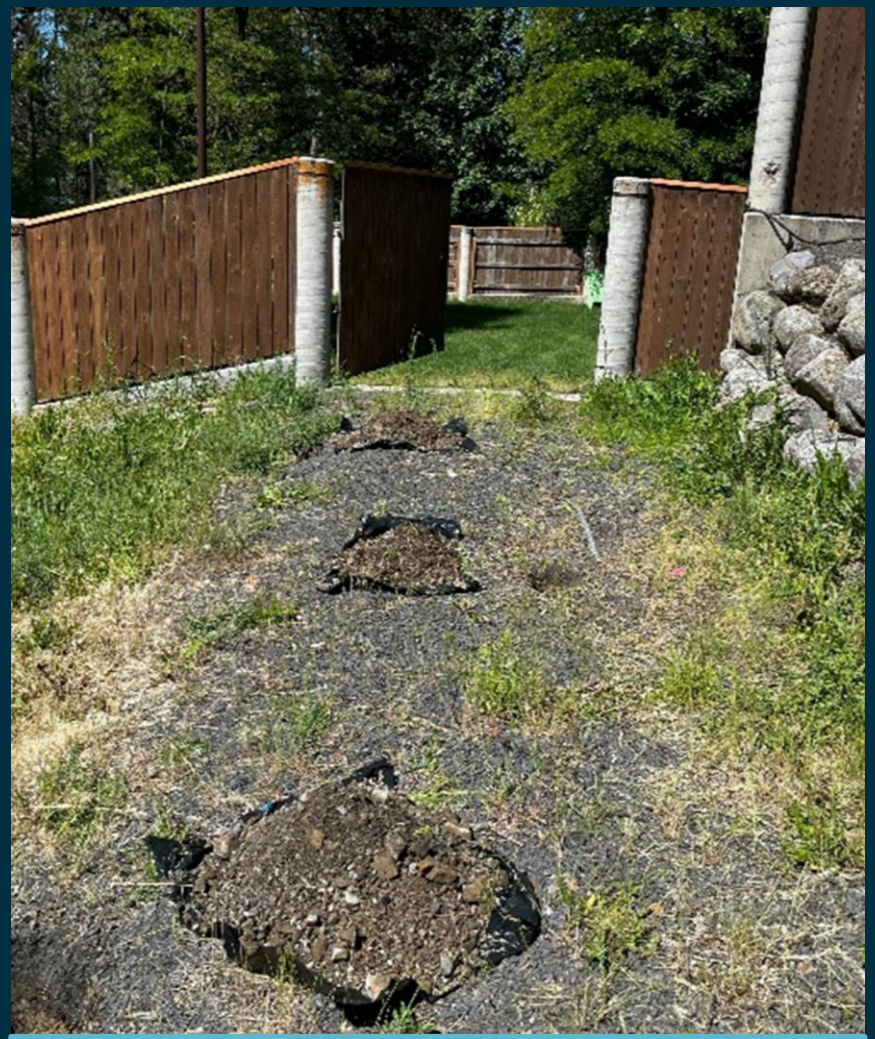
352 Total Individuals tested

231 Children tested

193 Individuals in the Basin

126 Individuals in Box

BASIN PROPERTY REMEDIATION PROGRAM



Remediations to date
3,236 properties in “Box”
3,938 properties in “Basin”

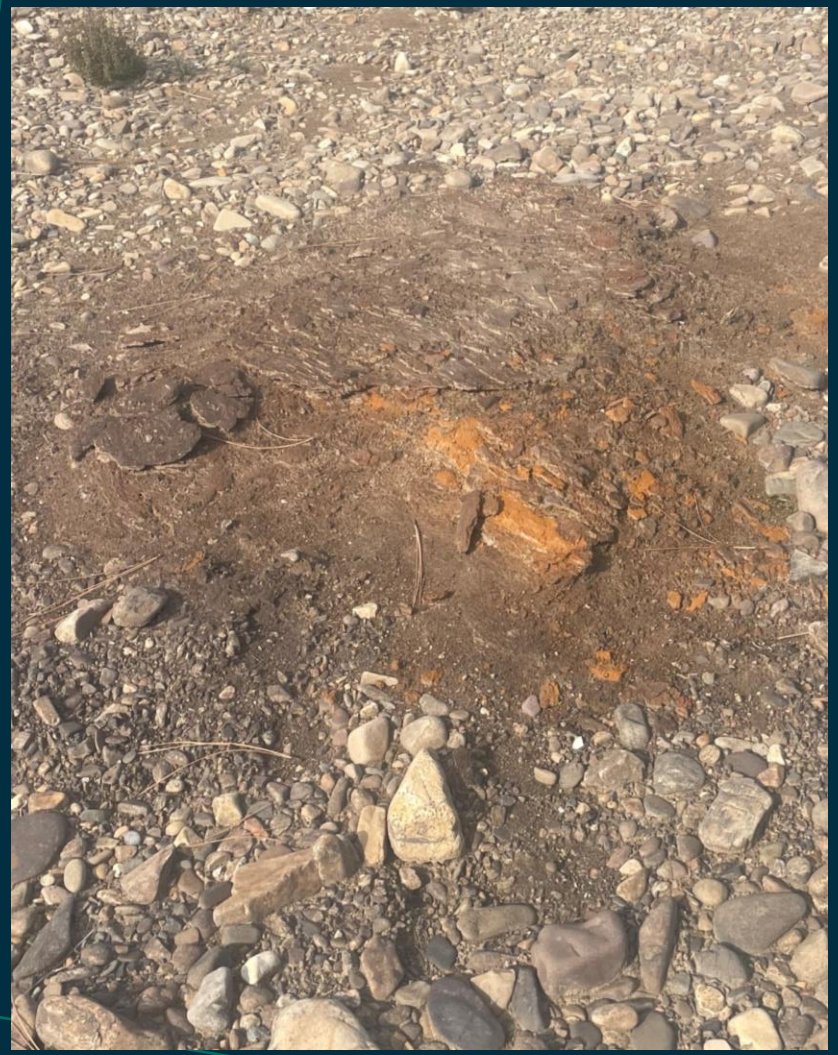
Box

- No new BPRP properties
- 9 properties require remediation

Basin

- Maintained 6 reverse osmosis filtration systems
- Collected 142 soil samples from 4 residential properties
- Collected 11 private drinking water samples from 3 properties
- **Remediated 3 properties**
- 197 properties need to be sampled
- 37 properties need to be remediated

Updated 10/20/2025
Replaces 1/17/2024 update



Newly updated residential soil lead directive

- Residential soil lead screening 200 PPM
- Residential removal management level 600 PPM
- Children’s blood lead level target 5 micrograms per deciliter
- Evaluating cleanup options under the updated Directive to ensure continued protection

Waste Area Development & Management

Waste Disposal and Management

Built to accommodate disposal of contaminated waste and are engineered to reliably contain materials and prevent contaminants to be released in concentrations that exceed state/federal standards

Stormwater Management

- Erosion prevention measures in place
- Slopes stabilized through track walking
- Waste areas crowned to direct runoff to collection areas
- Weekly winter inspections at BCR, EMF, and Page
- Haul routes maintained for snow removal as needed

Water Quality Monitoring

- Semiannual groundwater monitoring at all repositories (except LBCR)
- Year-round visual surface water monitoring at LBCR
- Results show no impacts to nearby water quality from disposal activities

Repositories

Page

- 23,425 CY of waste material received
- 413,000 CY of remaining waste capacity

Big Creek Repository

3,500 CY of waste received
78,000 CY of remaining capacity

Big Creek Repository Annex

190 CY waste received
168,156 CY remining capacity

Lower Burke Canyon Repository

4,500 CY of waste received
1,015,000 CY remaining capacity

Canyon Complex Repository

127,000 CY of waste received
1,100,000 CY of remaining capacity

East Mission Flats Repository

7,000 CY of waste received
140,000 CY remaining capacity

Waste consolidation areas

East fork ninemile

Began final cover system construction

480,000 sq-ft of geosynthetic installed over approximately 80% of the uncovered WCA footprint

Lower basin WCA

EPA selected the Dredge Road Property

Design of the Dredge Road WCA will proceed in 2026

Remedial Actions

Box remedial actions

CIA sludge pond closure

Crews capped and seeded the CIA sludge pond

Pinehurst elementary school

Removed deteriorating barriers. Installed clean caps to protect from contaminated soils

East Smelterville Flats

Re-graded to improve drainage. Installed 77,250 square yards of barrier fabric & 46,550 cubic yards of clean fill. Installed concrete oasis pads along with an ADA parking access point.

Kellogg sidewalks replacements

Removed & replaced 2,200 linear feet of sidewalks.

Government gulch

Collected water quality data to characterize the surface water/groundwater interactions, groundwater flow conditions, and metals migration.

Central treatment plant and groundwater collection system

Treated 1.074 billion gallons of water: 52.4% mine water & 47.6% ground water.

Upper basin Remedial Actions

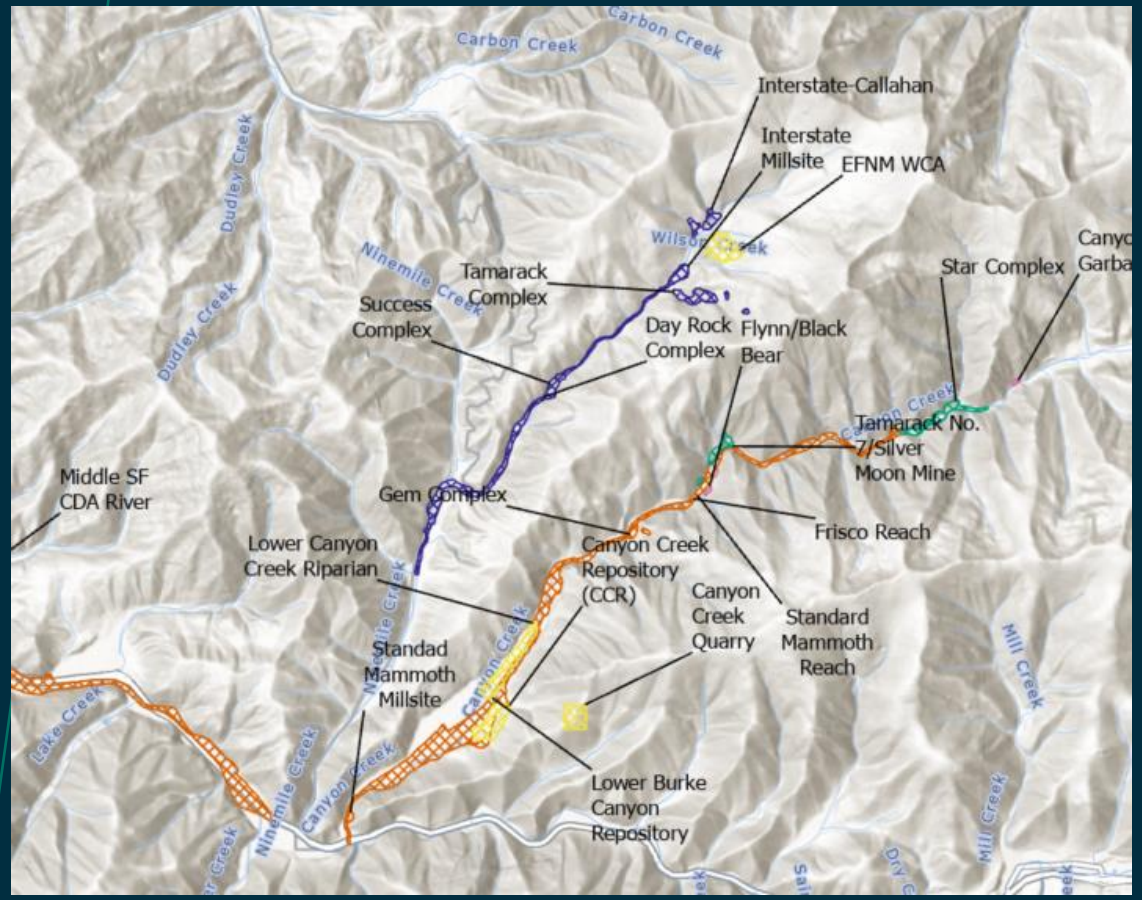


Image from new ArcGIS map create for the Basin. Maps will be added to BEIPC website in 2026

Ninemile creek basin

O & M continued as well as remedial action effectiveness monitoring.

Pine Creek Drainage

Completed remedial action at the Douglas Complex. 26,000 CY mine waste removed. Installed 14,700 sq-ft of geosynthetic liner system and cover materials over the consolidated mine wastes.

South fork of the CDA river

Conducted initial site characterization and sampling along the Upper and Middle South Fork Coeur d'Alene River (Wallace to the Box).

Upper basin remedial actions continued

Canyon creek

Star Complex

48,000 CY mine waste removed. 850 feet stream channel reconstructed.

Tamarack #7

111,000 CY of mine waste removed. 2,020 feet of stream channel reconstructed.

Investigation & Design

Continued investigation of Lower Canyon Creek Riparian Area. Started design for Standard Mammoth & Frisco Black Bear. Flynn Black Bear was prepped for pre-construction.

Lower Basin
River Channel Data Collection & Design

Cataldo Reach Riverbank 2 Investigation

Collected soil samples for metals at 10 sites in the Cataldo Reach and along the SFCDR from the Box to the North Fork confluence.

Cataldo Riverbank Pilot Project at river mile 165.9 – 167.1

Completion of the 30% Design

Riverbank erosion pin monitoring

63 locations monitored

- Cataldo Reach: 36
- Dudley Reach: 12
- Killarney Reach: 10
- Springston: 5

Lower Basin Floodplain projects

Grays meadow

Completed construction! In total, over 1 million CY excavated. Seeded over 635 acres in Cave Lake and Lamb Peak Wetlands.

Gleason wetland remediation & restoration

Characterized the 270-acre property for an agriculture-to-wetland conversion. Soil samples and geotechnical data was collected to understand the soil material across the site.

Other Projects

State of Washington

The Department of Ecology continued to monitor Spokane River beaches. No unexpected trends or cap damage was observed.

Recreational Sites Program

Box

- Sampled one recreation site
- Maintained wood chip barrier at playground in Wardner.

Basin

- Installed access controls at rec site near Medimont.
- Sampled two rec sites after December flooding.
- Updated Basin rec brochures.
- Design complete for informal rec area at Kilarney Lake.

Basin Environmental Monitoring Program

Goal: Verify remedy effectiveness and monitor Basin wide actions

Site-specific Remedial Action effectiveness and performance monitoring
- EX: Dayrock

Area-wide monitoring
- EX: Ninemile Basin

Site-wide long-term monitoring
- Entire BHSS

Technical staff from DEQ, USGS, USFWS, the Coeur d'Alene Tribe, the Coeur d'Alene Trust, and EPA meets annually to share and review basin-wide environmental monitoring results

Environmental Monitoring Sampling Events

Surface Water

20 sites sampled

4 sites in OU-2 sampled twice

16 sites in OU-3 were sampled from 4-12 times

12 sites collected continuous stream flow

3 sites samples 2 extra time at GCS

Samples analyzed for:

- Nutrients
- Trace metals and ions
- Suspended sediments
- Mercury

Groundwater

May-high flow

Samples collected

- 56 monitoring wells
- 3 piezometers
- 9 extraction wells

October-base flow

Samples collect

- 72 monitoring wells
- 3 piezometers
- 9 extraction wells

Government Gulch sampled

72 in situ transistor installed to monitor water level

Samples analyzed for:

- Metals
- Phosphorus
- Other parameters

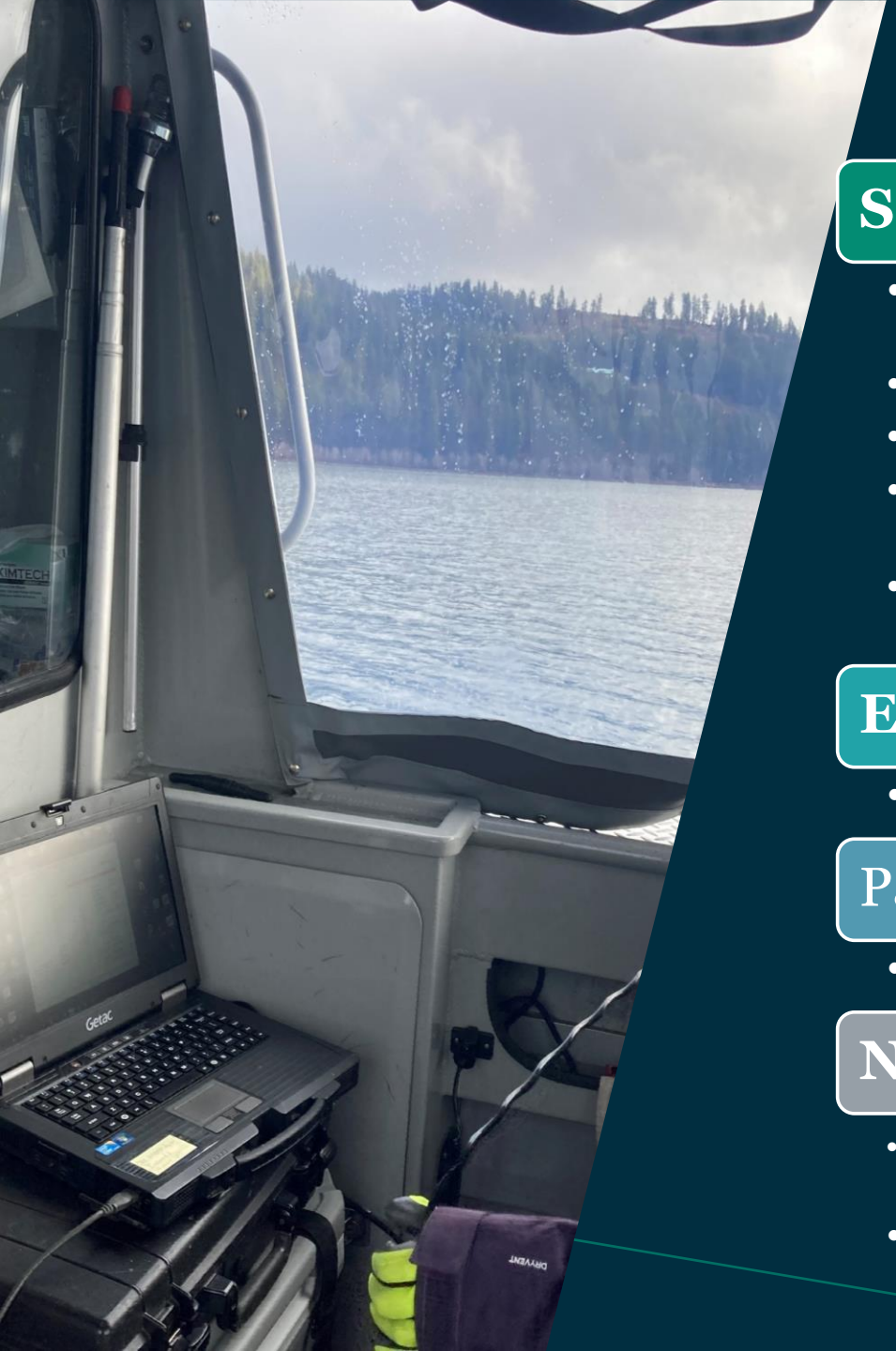
Biological Resources

Annual waterfowl survey in Lower Basin from early February to late April

Monitored wood ducks and tundra swans

Provides tools for monitoring ecological health and remedial action effectiveness

Part 2
other activities



DEQ Lake Management

Science Core Team

- Developed a Science Priorities Document to better coordinate basin-wide science efforts.
- Continued Coeur d'Alene Lake core monitoring.
- Initiated wave/wake study to assess impacts on nutrients and metals.
- Ongoing analysis of hydrography, DEQ sonde data (2014–2019), wind patterns, AEM3D modeling, and stable isotope data.
- Partnered with Alta Science & Engineering on a risk-based evaluation of recreational areas around Coeur d'Alene Lake and the Spokane River.

Education and Outreach

- TCP, Our Gem, NRC, Bay Watchers, SEEP, Living Lake

Partnerships

- Alta Science, Avista, CDA Chamber, BAG, WAGs

Nutrient Inventory

- Completed tributary data report (11 tributaries, 10 smaller drainages) to address gaps in the basin-wide nutrient inventory.
- Continued coordination with recipients of Governor Little's *Leading Idaho Initiative* funding.

CDA Tribe Lake Activities

- Monitor Water Quality for metals, nutrients & Physical parameters
- Model data collected from the Lake, Meteorological stations and USGS stations
- Monitor and treat invasive aquatics
- Work with EPA to identify opportunities to align nutrient reduction and remedial efforts in the lower basin
- Support TCP, Our Gem, Bay Watchers
- St. Joe Watershed Nutrient Assessment
- Paleolimnological study of CDA Lake sediments
- Provided Lake updates to the Benewah County Realtors
- Hosted boat tour for BEIPC board

Restoration partnership

USDA, USFS, USFWS, BLM, CDA Tribe, IDFG and IDEQ

- Wetlands and habitat restoration
- Fish passage improvements and stream restoration
- Native plant and culturally significant species management
- Watershed monitoring, modeling, and conservation planning
- Conservation easements and corridor protection

Questions?

THANK YOU

www.basincommission.com

BEIPC