

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>COEUR d'ALENE RIVER BASIN</u>	ProjectID: 10-12
Last Updated:	01/16/04	
City:	multiple	
County:	Shoshone and Kootenai	
State:	ID	
Country:	USA	
Bodies of Water:	South Fork of the Coeur d'Alene River and three primary tributaries; Lower (main stem) Coeur d'Alene River; Coeur d'Alene Lake; proximate wetlands and lakes; Spokane River between Coeur d'Alene Lake and Long Lake; and possibly Long Lake (in the State of Washington)	
US EPA Region:	X	
Status (Active, Complete, or Monitoring Only):	Active	
Date On NPL:	2000	
ROD/ESD Date:	2002	
Operable Unit:	OU-3	
Areas of Concern (length or acres):	<p>As described in Reference A-820 (Proposed Plan) and Reference A-895 (ROD): "An estimated 62 million tons of (mill) tailings were discharged to streams prior to 1968. These tailings contained an estimated 880,000 tons of lead and more than 720,000 tons of zinc. Most of the tailings were transported downstream, particularly during high-flow events, and deposited as lenses of tailings or as tailings and sediment mixtures in the bed, banks, floodplains, and lateral lakes of the Upper and Lower Basins and in Coeur d'Alene Lake. Some fine-grained material washed through the lake and was deposited as sediment within the Spokane River flood channel. The estimated total mass and extent of contaminated materials (primarily sediments) exceeds 100 million tons dispersed over thousands of acres."</p> <p>Areas of concern potentially affected by the heavy metals contamination include the Coeur d'Alene River from near the town of Mullan on the east to Coeur d'Alene Lake on the west, about 68 river miles; at least three primary tributaries (Canyon Creek, Ninemile Creek, and Pine Creek); floodplains; eleven lateral lakes ranging in area from <100 acres to >600 acres; about 7,000 acres of wetlands; Coeur d'Alene Lake with a dam-controlled surface area of about 32,000 acres; and the 20-25 river miles of the Spokane River, running between Coeur d'Alene Lake and Long Lake.</p> <p>A 21 square mile area in the vicinity of the confluence of the North and South Forks, in Shoshone County, the Bunker Hill Mining and Metallurgical Complex, was placed on the NPL in 1983. Since that time a Superfund ROD (1992), a ROD Amendment (1997), and a ROD ESD (1998) have been issued; areas of concern have been identified; and a substantial portion of the selected remedies have been implemented. Areas of concern within the 21 square mile "Bunker Hill Box" included 3,200 acres of contaminated, eroding hillsides; the contaminated Smelterville Flats area (with contaminant migration to surface and ground water); a 160-acre Central Impoundment Area (CIA) which was 60 to 70 feet high; a 70-acre former tailings disposal area called Page Pond; and a defunct lead smelter and surrounding Smelter Complex and Mine Operations Area.</p>	
Other Characteristics of Water Body:	The South Fork of the Coeur d'Alene River (SFCDR), in the vicinity of the most upstream of the mines, is typically rapids and no more than 10 to 20 feet wide. Immediately above the confluence with the North Fork, the South Fork is a high energy, rapid flow stream no more than 30 feet wide. Water depth is 2-3 feet. Access to this stretch of the river is constrained on one side by Interstate 90 and on the other side by a railroad embankment. Three primary tributaries	

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which flow into the SFCDR are Canyon Creek, Ninemile Creek, and Pine Creek, all high gradient streams.

Downstream of the confluence of the North and South Forks, the Coeur d'Alene River flattens out and is wider and slower moving, with the floodplain width reaching upwards of one mile. This stretch between the confluence and Coeur d'Alene Lake is called the Lower Coeur d'Alene River. Cataldo Mission Boat Ramp represents a transition point in the Coeur d'Alene River (located just upstream from a historical dredge spoil "flats"). Boating is possible from this point to Coeur d'Alene Lake, a distance of roughly 30 miles. Eleven lateral lakes ranging from <100 to >600 acres in area are situated along the Lower Coeur d'Alene River. About 7,000 acres of wetlands are present along the Lower River.

The Lower Coeur d'Alene River flows into Coeur d'Alene Lake through a several hundred-acre delta area. The outlet from Coeur d'Alene Lake is controlled by a dam, built in the early 1900s. The normal full pool elevation of the lake is maintained at about 2,100 feet above sea level, with a surface area of about 32,000 acres. Mean water depth is 72 feet with a maximum depth of 209 feet. Downstream of the lake is the Spokane River.

Erosion of riverbanks is a major concern, since the banks contain contaminated tailings. River levels in the Lower River are kept high in the Summer by the dam at Coeur d'Alene Lake, an effect opposite to that which would be natural. As a result, banks stay inundated preventing regrowth of stabilizing vegetation. A major cause of bank erosion is thought to be boat wakes.

Contaminants of Concern:

heavy metals, primarily lead, cadmium, and zinc

Source of Contamination:

Mine and mill tailings and waste rock, from silver mines. Also, emissions from a lead smelter. The mining process involves removing rock to expose the ore. The rock is cast aside, and the ore from the mine goes to a mill where it is ground up and the metal is separated out into fractions (either by "jigging" up to about 1920 or by a floatation process after 1920). The fractions without recoverable ore were historically cast aside, typically into a creek or river. These are called (interchangeably) mine or mill tailings.

Contaminated Area

Physical Characteristics:

As described in Reference A-816 (Health Exposure Assessment): "The Coeur d'Alene River Basin is a 3,700 square mile hydrologic drainage network, located in Shoshone and Kootenai Counties in northern Idaho. The headwaters of the river are in the Bitterroot Mountains on the Idaho/Montana border. The South Fork of the Coeur d'Alene River flows generally west through the Basin to Enaville, Idaho, just east of Cataldo. At Enaville, the North Fork of the Coeur d'Alene River joins the South Fork, forming the main stem of the Coeur d'Alene River which continues to flow west for a total of 53 miles into Lake Coeur d'Alene. Most streams in the Basin are deeply entrenched in narrow, steep-walled canyons. The Coeur d'Alene River Valley is the main exception. West of Cataldo Mission the valley becomes a broad floodplain with a maximum width of about 1.5 miles."

"Approximately two-thirds of the Basin comprises the area known as the Silver Valley, which extends from Mullan on the east to Rose Lake on the west. Geographically, the Coeur d'Alene Basin is divided into the Upper Basin and Lower Basin. The Upper Basin lies upstream, to the east of the Lower Basin. The Upper Basin includes the South Fork of the Coeur d'Alene River and several tributaries. Approximately 85% of the Basin population resides in this area between Mullan and Pinehurst. The Upper Basin is also where most of the mining activities occurred. The Lower Basin includes eleven lateral chain lakes and extensive fresh water marshes, located adjacent to the main channel and within the Coeur d'Alene River's floodplain. The marshes and lakes provide an extensive recreational area between the town of Cataldo and Lake Coeur d'Alene. Mine tailings in the Lower Basin are found primarily in the flatlands near Cataldo Mission."

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“In the past, mining was the principal source of employment in the Basin. Significant deposits of gold, silver, and lead were first reported in the Coeur d’Alene Mining District in 1882. In 1885, Noah Kellogg discovered lead ore in the South Fork of the Coeur d’Alene River. By late 1885, every major mining claim along the South Fork had been staked. By 1900, numerous mines were producing ore in the Upper Basin. The Coeur d’Alene Mining District became one of the largest and most productive lead-, silver-, and zinc-producing areas in the United States, earning the nickname, Silver Valley. A leader among the mines was Bunker Hill, near Kellogg. In the 1980s, however, the designation of Bunker Hill as a Superfund site and the concomitant decline of mining in the Silver Valley led to the end of an era and a transition to other economic activities.”

“Much of the environmental contamination present in the Coeur d’Alene River Basin today is attributed to past mining and smelting activities in the area. Previously, there were few controls on atmospheric emissions, solid waste disposal, and wastewater treatment at mining and smelting sites. Initially, most of the mines in the Coeur d’Alene Mining District as well as the Bunker Hill smelter discharged all liquid and solid waste directly into the South Fork of the Coeur d’Alene River and its tributaries. In 1928, a 160-acre central impoundment area (CIA) was constructed on the alluvium of the Coeur d’Alene River floodplain and acted as the Bunker Hill Complex’s main disposal area for solid and slurried mine wastes. The impoundment area has been identified in many investigations as a source of heavy metal contamination in the Coeur d’Alene River Basin.”

And as described in Reference A-820: “Until 1968, most tailings were discharged directly into the South Fork or its tributaries. Since 1968, tailings have been impounded or placed back in the mines, and current mining practices contribute relatively little to the Coeur d’Alene River system compared to existing contamination resulting from pre-1968 practices. An estimated 62 million tons of tailings were discharged to streams prior to 1968. These tailings contained an estimated 880,000 tons of lead and more than 720,000 tons of zinc. Most of the tailings were transported downstream, particularly during high-flow events, and deposited as lenses of tailings or as tailings and sediment mixtures in the bed, banks, floodplains, and lateral lakes of the Upper and Lower Basins and in Coeur d’Alene Lake. Some fine-grained material washed through the lake and was deposited as sediment within the Spokane River flood channel. The estimated total mass and extent of contaminated material (primarily sediments) exceeds 100 million tons dispersed over thousands of acres.”

“In addition to transport in water, mining waste was spilled from railroad cars during transport of ore and concentrates along the railroad lines, was used as fill material for construction of roads, railroads, and structures, and was transported as airborne dust.”

Within the Coeur d’Alene River Basin is the 21 square mile Bunker Hill Superfund Site. The Site encompasses the now inactive Bunker Hill Mining Complex and former metallurgical and smelting facility (the Bunker Hill Complex); the cities of Kellogg, Pinehurst, Smelterville, and Wardner; and the residential areas of Page, Elizabeth Park, and Ross Ranch. As described in the ROD, Reference A-817: “From 1886 until 1917, the lead and silver concentrates produced at the Bunker Hill Complex were shipped to offsite smelters for processing. Construction of the lead smelter began in 1916 and the first blast furnace went online in 1917 producing lead, cadmium, silver, and alloys of these heavy metals. Over the years, the smelter was expanded and modified. At the time of its closure in 1981, the lead smelter had a capacity of over 300 tons of metallic lead per day. . . By the early 1970s, emissions from the lead smelter and zinc plant, including sulfur dioxide, total suspended particulates, lead and other heavy metals, contributed significantly to contamination of the surrounding area.”

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Type of Regulatory Action: Natural resource damages (NRD) settlement between the mining companies and State of Idaho 1986; NRD lawsuit brought by the U.S. Government and the Coeur d'Alene Indian Tribe in 1996; EPA fund-lead RI/FS investigation pursuant to CERCLA (the NPL facility was expanded, by court decision in 2000, to include the entire Coeur d'Alene Basin impacted by mining contamination and not just the 21 square mile Bunker Hill "box.")

Overall Status Summary: As described in the Health Exposure Assessment, Reference A-816: "The Coeur d'Alene River Basin is a 3,700 square mile hydrologic drainage network, located in Shoshone and Kootenai Counties in northern Idaho. The headwaters of the river are in the Bitterroot Mountains on the Idaho/Montana border. The South Fork of the Coeur d'Alene River flows generally west through the Basin to Enaville, Idaho, just east of Cataldo. At Enaville, the North Fork of the Coeur d'Alene River joins the South Fork, forming the main stem of the Coeur d'Alene River which continues to flow west for a total of 53 miles into Lake Coeur d'Alene. Most streams in the Basin are deeply entrenched in narrow, steep-walled canyons. The Coeur d'Alene River Valley is the main exception. West of Cataldo Mission the valley becomes a broad floodplain with a maximum width of about 1.5 miles."

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"Much of the environmental contamination present in the Coeur d'Alene River Basin today is attributed to past mining and smelting activities in the area. Previously, there were few controls on atmospheric emissions, solid waste disposal, and wastewater treatment at mining and smelting sites. Initially, most of the mines in the Coeur d'Alene Mining District as well as the Bunker Hill smelter discharged all liquid and solid waste directly into the South Fork of the Coeur d'Alene River and its tributaries. In 1928, a 160-acre central impoundment area (CIA) was constructed on the alluvium of the Coeur d'Alene River floodplain and acted as the Bunker Hill Complex's main disposal area for solid and slurried mine wastes. The impoundment area has been identified in many investigations as a source of heavy metal contamination in the Coeur d'Alene River Basin."

And as described in EPA's current Proposed Plan, Reference A-820, and ROD, Reference A-895: "Until 1968, most tailings were discharged directly into the South Fork or its tributaries. Since 1968, tailings have been impounded or placed back in the mines, and current mining practices contribute relatively little to the Coeur d'Alene River system compared to existing contamination resulting from pre-1968 practices. An estimated 62 million tons of tailings were discharged to streams prior to 1968. These tailings contained an estimated 880,000 tons of lead and more than 720,000 tons of zinc. Most of the tailings were transported downstream, particularly during high-flow events, and deposited as lenses of tailings or as tailings and sediment mixtures in the bed, banks, floodplains, and lateral lakes of the Upper and Lower Basins and in Coeur d'Alene Lake. Some fine-grained material washed through the lake and was deposited as sediment within the Spokane River flood channel. The estimated total mass and extent of contaminated material (primarily sediments) exceeds 100 million tons dispersed over thousands of acres."

Areas of concern potentially affected by the heavy metals contamination include the South Fork and main stem of the Coeur d'Alene River from near the town of Mullan on the east to

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Coeur d'Alene Lake on the west, about 68 river miles; at least three primary tributaries (Canyon Creek, Ninemile Creek, and Pine Creek); floodplains; eleven lateral lakes ranging in area from <100 acres to >600 acres; about 7,000 acres of wetlands; Coeur d'Alene Lake with a dam-controlled surface area of about 32,000 acres; and the 20-25 river miles of the Spokane River, running between Coeur d'Alene Lake and Long Lake.

A 21 square mile area in the vicinity of the confluence of the North and South Forks, in Shoshone County, the Bunker Hill Mining and Metallurgical Complex, was placed on the NPL in 1983. Since that time a Superfund ROD (1992), a ROD Amendment (1997), and a ROD ESD (1998) have been issued; areas of concern have been identified; and a substantial portion of the selected remedies have been implemented. Areas of concern within the 21 square mile "Bunker Hill Box" included 3,200 acres of contaminated, eroding hillsides; the contaminated Smelterville Flats area (with contaminant migration to surface and ground water); a 160-acre Central Impoundment Area (CIA) which was 60 to 70 feet high; a 70-acre former tailings disposal area called Page Pond; and a defunct lead smelter and surrounding Smelter Complex and Mine Operations Area.

The legal and remedial initiatives along the Coeur d'Alene River have been considerable over the most recent 10 to 15 years. As described in the EPA's Proposed Plan, Reference A-820: "Many cleanup actions have been conducted at source areas and at depositional areas throughout the Basin. These actions have occurred from 1989 to the present and have been conducted by the mining companies, Union Pacific Railroad, various state and federal agencies, and the Coeur d'Alene Indian tribe. The mining companies and government agencies have worked in concert on many of these actions. For example, cleanup activities have been conducted by the Silver Valley Natural Resource Trustees, a cooperative effort of the IDEQ and the mining companies. Many of the cleanup actions have taken place in the Bunker Hill Box, the site of some of the highest levels of contamination in the Basin."

Some examples of these actions follow. Legal actions have included a Natural Resource Damages (NRD) settlement between the mining companies and the State of Idaho in 1986, a suit brought by the Coeur d'Alene Indian tribe in 1990 for NRD and a suit brought by the tribe against the State of Idaho regarding ownership of Coeur d'Alene Lake. Extensive remediation was accomplished by the mining companies over the most recent 5 to 7 years in both Canyon Creek (as a non-time critical removal) and Ninemile Creek (as a time-critical removal). Starting in 1991, and continuing for the next six years, a Natural Resource Damages Assessment Plan for the Coeur d'Alene Basin was prepared by three of the natural resource trustees, the Coeur d'Alene Indian tribe, the US Dept. of the Interior, and the US Dept. of Agriculture.

In March 1996, the US Dept. of Justice (and the Coeur d'Alene Indian tribe) filed a natural resource damages suit in US District Court in Idaho against eight mining companies, demanding payment for environmental damages to the Coeur d'Alene Basin. The eight defendants included ASARCO, Hecla Mining, Sunshine Mining, Coeur d'Alene Mines, and four affiliated firms. The trial began in January 2001. The majority of the defendant firms have negotiated cash settlements with the plaintiffs.

In January 2002, a lawsuit was filed in Idaho, against six mining companies and Union Pacific Railroad, by eight current or former area residents seeking class-action status and claiming health problems from lead and other heavy metals.

In 1998, EPA designated the Coeur d'Alene Basin as a "facility" under CERCLA and began an RI/FS. In 2000, the Circuit Court of Appeals confirmed that the NPL facility includes all areas of the Coeur d'Alene Basin with mining contamination, and not just the 21 square mile Bunker Hill

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“box” (addressed by OUs 1 and 2). The RI/FS process resulted in a Proposed Plan, released for public comment on October 29, 2001. The comment period closed on February 26, 2002, after two extensions. A ROD was issued on September 12, 2002.

The remedy proposed in the Proposed Plan and documented in the ROD is described as a Final Human Health remedy and an interim action Ecological remedy and includes (a) all actions for protection of human health in the communities and residential areas in the Basin and (b) a first increment of actions on a priority basis designed to achieve interim benchmarks for environmental protection. The Coeur d'Alene Lake is not included in the interim action. The individual components of the proposed remedy would be sequenced over a 20-30 year period. The proposed remedial actions are as follows:

- Reduce soil lead concentrations at residential properties by removal at levels above 1,000 ppm or capping/stabilizing at levels above 700 ppm. Cleanup lead contaminated dust at an estimated 252 residences. Also, implement institutional controls and alternative drinking water sources.
- At 15 mill sites and 31 recreational areas remediate lead in soil and dust to the same levels described above.
- Stabilize stream beds, stream banks, and waste piles in Canyon, Ninemile, and Pine Creeks, and in the South Fork Coeur d'Alene River. Construct improvements to sewer and storm drains to reduce contaminated groundwater infiltration to the South Fork.
- In Canyon Creek, treat creek water near the mouth of the creek to reduce the metals loading discharging to the South Fork, and stabilize stream banks and waste piles.
- In Ninemile Creek, implement a series of remedies to allow natural reestablishment of the fishery and reduce the metals loadings to downstream areas, including (a) removing or capping contaminated sediments; (b) removing waste rock and consolidating it above the floodplain; (c) treating water from seeps and mine adits; (d) stabilizing stream banks; and (e) establishing hydraulic controls.
- In Pine Creek, improve fishery conditions and mitigate mine impacts on riparian receptors by hot spot removals, bank and bed stabilization, riparian zone revegetation, regrading of stream reaches, and treatment of tributary water to reduce the metals load to Pine Creek.
- In South Fork Coeur d'Alene River, upstream of the Bunker Hill “Box,” remove tailings hot spots in the upper floodplain and stabilize and bioengineer stream channels and banks to protect riverine and riparian receptors.
- For Lower Basin stream banks and beds, remove contaminated bank wedges from highly erosive streambank areas; stabilize banks and revegetate removal areas; construct and operate sediment traps in selected areas where the river overflows its banks; and periodically remove river bed sediments in natural depositional areas (to be identified). For the stream banks requiring aggressive remedial actions, EPA's cost estimate is based on 33.4 miles, 30-foot wide, at 2.3 cubic yards removed or remedied per linear foot (405,700 cubic yards). For the periodic removal of river bed sediments, EPA's cost estimate is based on 500,000 cubic yards removed during initial dredging and 200,000 cubic yards removed at 5, 10, 15, and 20 years (1.3 million cubic yards total). (Note: The ROD doubled these proposed removal volumes to one million cy during initial dredging and 400,000 cy for the five-year intervals, for a total of 2.6 million cy.)

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- For the Lower Basin floodplain, reduce waterfowl exposure to lead and reduce human health concerns in wetlands (seven areas totaling 1,169 acres) and five lateral lakes by implementing a combination of removal, capping, and soil amendments.
- In the Spokane River, downstream of Coeur d'Alene Lake, reduce human health and ecological exposures at selected shoreline sediment depositional areas by implementing a combination of capping, removal, and performance monitoring, and remove contaminated sediments trapped behind the first downriver dam.
- Establish and implement a basin-wide monitoring program.

The total estimated cost for the remedial actions in the ROD is in the \$384 to 417 million range.

In August 2002, EPA committed the federal government to participate in a cross-governmental partnership with the purpose of implementing the ROD remedy. The partnership is called the Basin Environmental Project Improvement Commission and is made up of representatives from the State of Idaho, the State of Washington, the Coeur d'Alene Tribe, the federal government, and three Idaho counties.

In late 2002, the House Appropriations Committee approved \$850,000 for a two year National Academy of Sciences study to independently evaluate the Coeur d'Alene Basin Superfund site with regard to EPA's (1) scientific and technical practices in Superfund site definition, (2) human and ecological assessment, (3) remedial planning, and (4) decision making. EPA indicated no intention to delay cleanup work while the study is undertaken.

In a September 2003 U.S. District Court decision, two firms, Asarco, Inc. and Hecla Mining Co., were found liable for the costs incurred by the federal government in cleaning up mining wastes in Coeur d'Alene River Basin as well as being liable for natural resource damages. Asarco and Hecla had been owners and operators of mines, mills, and related facilities. A second trial is scheduled for the 2004-2005 time frame to determine the damages and response costs for which the two firms are liable.

Remedial Action Planned: ☐

Risk Assessment: ☐

Remedial Action Implemented: ☐

Status of Dredging ☐

PRPs: ☒

Contacts: ☒

References: ☒

Modeling: ☐

Fishing Advisory: ☐

Key Conditions: dedicated landfill or CDF, dredging, extended (>1 mile) river, floodplains targeted, habitat/streambank restoration, more-harm-than-good, natural recovery, property access issues, wetlands

POTENTIALLY RESPONSIBLE PARTIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

PRP Name: PRP INFORMATION NOT RELEASED

PRPID:

Street Address:

City:

State:

KEY CONTACTS

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Last Name: KEY CONTACT INFORMATION NOT RELEASED

Contact ID:

First Name:

Title:

Company:

Address:

City:

State:

Postal Code:

Work Phone # :

Other Phone #:

Fax # :

Email Address:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: A
Title: *Proposed Plan - Coeur d'Alene Basin*
Location: AEM
Category: ROD/Proposed Plan/Action Memo/Decision Document
Prepared by/Author: US EPA Region X
Preparer/Author Address: 1200 Sixth Avenue, MS ECL-113
Seattle, WA 98101
Prepared For: General Public
Date Published: October 29, 2001
Key Words and Phrases:

ReferenceID: 680

Reference Type: A
Title: *Coeur d'Alene River Basin Environmental Health Exposure Assessment (PB2000107701)*
Location: AEM
Category: Risk Assessment
Prepared by/Author: Idaho Dept. of Health and Welfare
Preparer/Author Address: Boise, ID
Prepared For: General Public
Date Published: August 2000
Key Words and Phrases:

ReferenceID: 816

Reference Type: A
Title: *Superfund Record of Decision: Bunker Hill Mining & Metallurgical Complex, ID*
Location: AEM
Category: ROD/Proposed Plan/Action Memo/Decision Document
Prepared by/Author: US EPA Region X
Preparer/Author Address: Seattle, WA
Prepared For: General Public
Date Published: September 1992
Key Words and Phrases:

ReferenceID: 817

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: A

ReferenceID: 818

Title: *Superfund Record of Decision Amendment: Bunker Hill Mining & Metallurgical Complex (Non-Populated Areas) Superfund Site, Smelterville, ID*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region X

Preparer/Author Address: Seattle, WA

Prepared For: General Public

Date Published: September 9, 1996

Key Words and Phrases:

Reference Type: A

ReferenceID: 819

Title: *Superfund Explanation of Significant Difference for the Record of Decision: Bunker Hill Mining and Metallurgical Complex, Smelterville, ID*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region X

Preparer/Author Address: Seattle, WA

Prepared For: General Public

Date Published: April 18, 1998

Key Words and Phrases:

Reference Type: A

ReferenceID: 820

Title: *Coeur d'Alene Basin - Proposed Plan*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region X

Preparer/Author Address: Seattle, WA

Prepared For: October 29, 2001

Date Published:

Key Words and Phrases:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: A

ReferenceID: 835

Title: *Draft Final: Coeur d'Alene Basin RI/FS: Expected Screening Level Risk Assessment for Common Use Areas Coeur d'Alene River Basin, Idaho*

Location: AEM

Category: RI/FS

Prepared by/Author: (1) URS Greiner, Inc, (2) CH2M Hill, (3) Syracuse Research Corporation

Preparer/Author Address: (1) 2401 Fourth Avenue, Suite 808
Seattle, WA 98121
(2) 777 108th Avenue NE
Bellevue, WA 98009
(3) 6225 Running Ridge Road
North Syracuse, NY 13212

Prepared For: US EPA Region X
1200 Sixth Avenue
Seattle, WA 98101

Date Published: October 18, 1999

Key Words and Phrases:

Reference Type: A

ReferenceID: 836

Title: *Fact Sheet: EPA and State of Idaho Issue Final TMDL Plan for Reducing Metals in the Coeur d'Alene River Basin*

Location: AEM

Category: Cleanup Levels and Risks

Prepared by/Author: US EPA Region X

Preparer/Author Address:

Prepared For: General Public

Date Published: August 2, 2002

Key Words and Phrases:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: A

ReferenceID: 837

Title: *Fact Sheet: Bunker Hill - Coeur d'Alene River Basin (Proposed Plan)*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region X

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: August 3, 2002

**Key Words and
Phrases:**

Reference Type: A

ReferenceID: 838

Title: *Total Maximum Daily Load for Dissolved Cadmium, Dissolved Lead, and Dissolved Zinc in Surface Waters of the Coeur d'Alene River Basin (Draft)*

Location: AEM

Category: Source Control

Prepared by/Author: (1) Idaho Division of Environmental Quality, (2) US EPA Region 10

**Preparer/Author
Address:** (1) Central Office
Water Quality and Remediation
1410 North Hilton
Boise, Idaho 83706
(2) Office of Water
1200 Sixth Avenue
Seattle, WA 98101

Prepared For: General Public

Date Published: April 1999

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: A

ReferenceID: 895

Title: *Record of Decision: The Bunker Hill Mining and Metallurgical Complex: Operable Unit 3*

Location: AEM

Category: ROD/Proposed Plan/Action Memo/Decision Document

Prepared by/Author: US EPA Region X

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: September 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 713

Title: *EPA Proposes Cleanup Plan, Schedules Public Meetings*

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region X

**Preparer/Author
Address:**

Prepared For: Distribution

Date Published: October 29, 2001

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 723

Title: *Summary - Mine Waste: DOJ Sues Companies for Coeur d'Alene Pollution*

Location: AEM

Category: Site Update

Prepared by/Author: Greenwire

**Preparer/Author
Address:**

Prepared For: Internet

Date Published: March 25, 1996

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: B
Title: *Memo re: ROD for Coeur d'Alene Basin (e-mail)*
Location: AEM
Category: Site Update
Prepared by/Author: Marianne Deppman
Preparer/Author Address: US EPA Region X
Prepared For: AEM, Inc.
Date Published: August 5, 2002
Key Words and Phrases:

ReferenceID: 956

Reference Type: B
Title: *House Rpt. 107-740 - Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Bill, 2003*
Location: AEM
Category: Legal
Prepared by/Author: U.S. Congress
Preparer/Author Address:
Prepared For: General Public
Date Published: 2003
Key Words and Phrases:

ReferenceID: 1033

Reference Type: C
Title: *Bill Proposes \$250 Million to Help Clean Mining Wastes at Coeur d'Alene Basin*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address:
Prepared For: Hazardous Waste/Superfund Week
Date Published: April 9, 2001
Key Words and Phrases:

ReferenceID: 182

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 461

Title: *Indians, Idaho and EPA sign cleanup pact*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: November 20, 1992

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 462

Title: *Coeur d'Alene plan offered*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: November 5, 1993

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 463

Title: *\$40 million Bunker Hill pact near*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: February 4, 1994

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C
Title: *Bunker Hill tailings removal begins*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address:
Prepared For: Superfund Week
Date Published: July 11, 1997
Key Words and Phrases:

ReferenceID: 464

Reference Type: C
Title: *In Idaho, EPA demands paperwork*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address:
Prepared For: Superfund Week
Date Published: August 1, 1997
Key Words and Phrases:

ReferenceID: 465

Reference Type: C
Title: *Feds expand Coeur d'Alene lawsuit*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address:
Prepared For: Superfund Week
Date Published: August 22, 1997
Key Words and Phrases:

ReferenceID: 466

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 467

Title: *Contractor bids \$11M project at Bunker Hill*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: February 13, 1998

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 468

Title: *EPA surveys Coeur d'Alene Basin*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: May 15, 1998

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 469

Title: *EPA revs up for Coeur d'Alene RI/FS*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: June 5, 1998

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 647

Title: *Mining Companies, Tribes to Fight Over Idaho Basin Cleanup, Costs*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: February 5, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 732

Title: *State, Federal Agencies Considering Cleanup Options for Idaho River Basin*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: July 23, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 743

Title: *Troubled Mining Company Agrees to Pay What It Can for Cleanup*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Brownsfields.com

Date Published: September 6, 2001

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 744

Title: *Hecla Settles Dispute Over Bunker Hill Site*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: September 3, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 762

Title: *Tribe Urges Lake Management Plan to be Part of Coeur d'Alene
Cleanup*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: October 29, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 773

Title: *Idaho: Extra Time for Comment Granted*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: December 10, 2001

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 842

Title: *State Senate Bill to Give Idaho More Say over Coeur d'Alene Site*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: March 18, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 847

Title: *Idaho City Councils to Stop Coeur d'Alene Basin Plan*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 1, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 861

Title: *Army Corps of Engineers to Cap Portion of Coeur d'Alene Basin*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 8, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 862

Title: *Idaho Fight Coming*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 8, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 894

Title: *Coeur d'Alene Update*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: June 10, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 927

Title: *CIA Contract at Bunker Hill is Reissued, Expanded to \$20M-\$30M; Due June 15*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: June 4, 1999

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 928

Title: *Three Companies Could Pay \$250M To Clean Idaho Mining Contamination*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author Address:

Prepared For: Superfund Week

Date Published: July 21, 2000

Key Words and Phrases:

Reference Type: C

ReferenceID: 929

Title: *Controversy As Well As Contamination Spreading at Idaho's Coeur d'Alene*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author Address:

Prepared For: Superfund Week

Date Published: August 18, 2000

Key Words and Phrases:

Reference Type: C

ReferenceID: 931

Title: *ROD Coming to Drain Mining Waste From Bunker Hill Superfund Site*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: March 5, 2001

Key Words and Phrases:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 933

Title: *Tribes, Companies Take Digs At Coeur D'Alene Cleanup Plan*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: November 19, 2001

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 934

Title: *Remediation to Proceed in Alabama, Idaho Despite Resident
Legal Disputes*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: January 14, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 935

Title: *Coeur d'Alene ROD to Come On Schedule Despite Protests*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 15, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 936

Title: *Biosolids, Industrial Byproducts Benefit Vegetation at Mining Sites*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: August 5, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 954

Title: *Waiting Game Continues For Coeur d'Alene ROD*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: August 26, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1005

Title: *State, Tribe Recommend Annual List of Projects to Improve lake
Quality*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: January 13, 2003

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 1086

Title: *Areas Have Been Identified for Cleanup By Coeur d'Alene Basin Commission*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: February 24, 2003

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1087

Title: *Idaho's Plan for Lake Coeur d'Alene Not Enough, Washington Says*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: March 31, 2003

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1088

Title: *Idaho: Bunker Hill Still Needs Work*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 21, 2003

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 1089

Title: *Idaho: Bunker Hill Work Begins at Box*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: July 21, 2003

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1090

Title: *Federal Judge Rules Asarco, Hecla Liable for Cleanup,
Resources Repair*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: September 22, 2003

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1091

Title: *Local Commission Should Not Manage Idaho Cleanup,
Environmentalists Say*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: October 7, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 1092

Title: *House Charges NAS with Assessing Effectiveness of Coeur d'Alene Remedy*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: October 21, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1093

Title: *Homeowners Sue Real Estate Agents Over Lead Found near Coeur d'Alene*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: October 21, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1094

Title: *Mining Companies Agree to Cleanup At Portion of Site near Bunker Hill*

Location: AEM

Category: Site Update

Prepared by/Author:

**Preparer/Author
Address:**

Prepared For: Hazardous Waste/Superfund Week

Date Published: August 19, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: C

ReferenceID: 1095

Title: *Coeur d'Alene ROD Focuses Cleanup on Creeks, Basins*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: September 23, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1096

Title: *Bikes Hit the Trail at Coeur d'Alene, Idaho*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Brownfields Spotlight

Date Published: November 12, 2003

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1098

Title: *No Consensus on Scope of Problem or Answers for Coeur d'Alene
Basin*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: January 26, 2004

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: D
Title: *In Twist, Idahoans Fight Toxic Cleanup*
Location: AEM
Category: Site Update
Prepared by/Author: Sam Howe Verhovek
Preparer/Author Address:
Prepared For: The New York (NY) Times
Date Published: March 21, 2002
Key Words and Phrases:

ReferenceID: 375

Reference Type: D
Title: *E.P.A. Plan Is Debated In Idaho*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address:
Prepared For: The New York (NY) Times
Date Published: October 23, 2001
Key Words and Phrases:

ReferenceID: 407

Reference Type: D
Title: *Defense will try to discredit EPA study; Hecla, Asarco remain*
Location: AEM
Category: Site Update
Prepared by/Author: David Goins
Preparer/Author Address:
Prepared For: The Coeur d'Alene (ID) Press
Date Published: March 2001
Key Words and Phrases:

ReferenceID: 433

REFERENCES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Reference Type: D

ReferenceID: 434

Title: ***E.P.A. Plan Is Debated In Idaho***

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: The New York (NY) Times

Date Published: October 23, 2001

**Key Words and
Phrases:**

Reference Type: D

ReferenceID: 504

Title: ***Whitman Commits EPA to Partnership for Historic Clean-up
Agreement***

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region X

Preparer/Author

Address:

Prepared For: News Release

Date Published: August 13, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: J

ReferenceID: 32

Title: *Map entitled: Road Map of field trip-route along Interstate 90 from Coeur d'Alene to Mullan, Idaho, including the Coeur d'Alene Mining District (from: A Field Guide to the Coeur d'Alene Mining District)*

Location: AEM

Category: Site Update

Prepared by/Author: Earl H. Bennett

Preparer/Author Address: Idaho Geological Survey
University of Idaho
Moscow, ID

Prepared For: Coeur d'Alene Chamber of Commerce

Date Published: September 23, 1994

Key Words and Phrases:

Reference Type: J

ReferenceID: 33

Title: *Idaho: Deal reached in mine waste cleanup Coeur d'Alene River Basin*

Location: AEM

Category: Site Update

Prepared by/Author: Betsy Z. Russell

Preparer/Author Address:

Prepared For: Native News Web Page

Date Published: March 20, 2001

Key Words and Phrases:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: J

ReferenceID: 34

Title: *Lawsuit filed against mining companies in Idaho; seeks medical monitoring*

Location: AEM

Category: Site Update

Prepared by/Author: Nicholas K. Geranios

Preparer/Author Address: The Associated Press

Prepared For: Environmental News Network (ENN)

Date Published: January 10, 2002

Key Words and Phrases:

Reference Type: M

ReferenceID: 410

Title: *Costs of Remediation at Mine Sites*

Location: AEM

Category: Miscellaneous

Prepared by/Author: US EPA

Preparer/Author Address: Office of Solid Waste
401 M Street, SW
Washington, DC 20460

Prepared For: General Public

Date Published: January 1997

Key Words and Phrases:

REFERENCES

Project Name COEUR d'ALENE RIVER BASIN

ProjectID: 10-12

Reference Type: S

ReferenceID: 19

Title: *Senate Concurrent Resolution No. 132: A Concurrent Resolution Stating Findings of the Legislature Regarding the State of Idaho's Interests in the Cleanup Plan for the Coeur d'Alene Basin and Supporting Efforts of the Executive Branch to Secure and Implement a Final Plan that Builds the Local Economy and Protects Human Health and the Environment*

Location: AEM

Category: Legal

Prepared by/Author: Legislature of the State of Idaho

Preparer/Author

Address:

Prepared For: General Public

Date Published: 2002

**Key Words and
Phrases:**

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1286

Extent: Central Lake

Pollutant: lead

Species: bullhead

Population: NCSP

Population Definition: No Consumption-Subpopulation(s): Advises against consumption for populations that are potentially at greater risk, e.g., pregnant or nursing women, and small children.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1275

Extent: Northern Lake

Pollutant: lead

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1285

Extent: Central Lake

Pollutant: lead

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake ***AdvisoryID:*** 1272
Extent: Northern Lake
Pollutant: lead
Species: bullhead
Population: RSP
Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.
Advisory Type: Lake ***Advisory Number:*** 300181
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Sarah Weppner ***Contact Number:*** 208-334-0606

Advisory: Coeur d'Alene Lake ***AdvisoryID:*** 1281
Extent: Central Lake
Pollutant: lead
Species: bullhead
Population: RSP
Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.
Advisory Type: Lake ***Advisory Number:*** 300182
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Sarah Weppner ***Contact Number:*** 208-334-0606

Advisory: Coeur d'Alene Lake ***AdvisoryID:*** 1273
Extent: Northern Lake
Pollutant: mercury
Species: bass
Population: RGP
Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.
Advisory Type: Lake ***Advisory Number:*** 300181
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Sarah Weppner ***Contact Number:*** 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1284

Extent: Central Lake

Pollutant: mercury

Species: bass

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1270

Extent: Northern Lake

Pollutant: mercury

Species: bass

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1280

Extent: Central Lake

Pollutant: mercury

Species: bass

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1282

Extent: Central Lake

Pollutant: mercury

Species: bullhead

Population: NCSP

Population Definition: No Consumption-Subpopulation(s): Advises against consumption for populations that are potentially at greater risk, e.g., pregnant or nursing women, and small children.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1269

Extent: Northern Lake

Pollutant: mercury

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1283

Extent: Central Lake

Pollutant: mercury

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1268

Extent: Northern Lake

Pollutant: mercury

Species: bullhead

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1279

Extent: Central Lake

Pollutant: mercury

Species: bullhead

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1274

Extent: Northern Lake

Pollutant: mercury

Species: salmon-kokanee

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1278

Extent: Central Lake

Pollutant: mercury

Species: salmon-kokanee

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1271

Extent: Northern Lake

Pollutant: mercury

Species: salmon-kokanee

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300181

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1277

Extent: Central Lake

Pollutant: mercury

Species: salmon-kokanee

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300182

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN*****ProjectID:*** 10-12***Advisory:*** Coeur d'Alene Lake***AdvisoryID:*** 1287***Extent:*** Southern Lake***Pollutant:*** mercury***Species:*** salmon-kokanee***Population:*** RSP***Population Definition:*** Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.***Advisory Type:*** Lake***Advisory Number:*** 300183***Status (Active or Rescinded):*** Active***Date Rescinded:******Contact Name:*** Sarah Weppner***Contact Number:*** 208-334-0606

Advisory: Coeur d'Alene Lake***AdvisoryID:*** 1288***Extent:*** Southern Lake***Pollutant:*** mercury***Species:*** bullhead***Population:*** RSP***Population Definition:*** Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.***Advisory Type:*** Lake***Advisory Number:*** 300183***Status (Active or Rescinded):*** Active***Date Rescinded:******Contact Name:*** Sarah Weppner***Contact Number:*** 208-334-0606

Advisory: Coeur d'Alene Lake***AdvisoryID:*** 1289***Extent:*** Southern Lake***Pollutant:*** mercury***Species:*** bass***Population:*** RSP***Population Definition:*** Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.***Advisory Type:*** Lake***Advisory Number:*** 300183***Status (Active or Rescinded):*** Active***Date Rescinded:******Contact Name:*** Sarah Weppner***Contact Number:*** 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1290

Extent: Southern Lake

Pollutant: lead

Species: bulhead

Population: RSP

Population Definition: Restricted Consumption-Subpopulation(s): Advises subpopulations potentially at greater risk, e.g., pregnant or nursing women, and/or small children, to restrict the size of the organism and/or frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300183

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1291

Extent: Southern Lake

Pollutant: mercury

Species: bass

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300183

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1292

Extent: Southern Lake

Pollutant: mercury

Species: salmon-kokanee

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300183

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

FISH ADVISORIES

Project Name **COEUR d'ALENE RIVER BASIN**

ProjectID: 10-12

Advisory: Coeur d'Alene Lake

AdvisoryID: 1293

Extent: Southern Lake

Pollutant: mercury

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300183

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606

Advisory: Coeur d'Alene Lake

AdvisoryID: 1294

Extent: Southern Lake

Pollutant: lead

Species: bullhead

Population: RGP

Population Definition: Restricted Consumption-General Population: Advises the general population to restrict the size of the organisms and/or the frequency of meals consumed.

Advisory Type: Lake

Advisory Number: 300183

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Sarah Weppner

Contact Number: 208-334-0606
