Pinehurst Narrows
Theatre Bridge
Truck Stop
RV Park
Fork
Smelterville Flats - N of I-90
Coeur
Jackass Creek
I-90
West Page Swamp
Smelterville Flats - S of I-90
Union Pacific RR
Bunker
Creek
Central Impoundment Area (CIA)
CTP Sludge Lagoon
Lined Pond
Central Treatment Plant (CTP)
Mine Operations Area (MOA)
Pine Creek
Page WWTP
East Page Swamp
Smelterville
Smelter Closure Area
Borrow Area Landfill
A-4 Gypsum Pond
Magnet Gulch
Italian Gulch
Kellogg
McKinley Avenue
ILFS
Railroad Gulch
Portal Gulch
River
Pinehurst
Humboldt Creek
Grouse Gulch
Government Gulch
Zinc Plant Area
Deadwood Gulch
Milo Creek
Wardner
HILLSIDES
Guy Cave
Reed Landing

Legend

Union Pacific RR (now Trail of the Coeur d'Alenes)

Water Features

N

0 2,500 5,000 Feet

FIGURE 4-1

OU2 SITE MAP
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-1.mxd

Remedial Actions in OU2 completed since 1992 ROD

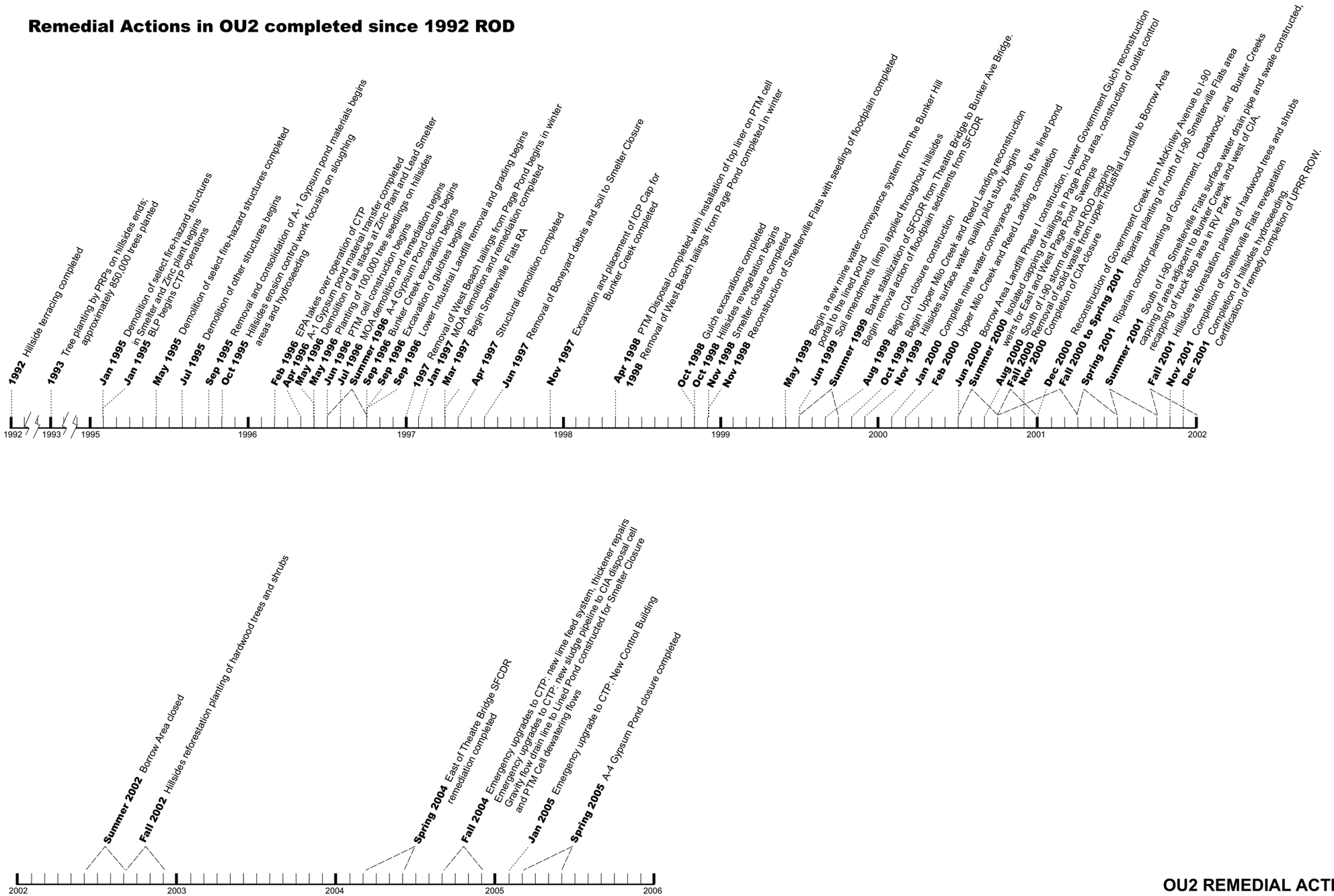


FIGURE 4-2

OU2 REMEDIAL ACTION TIMELINE
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

Legend

- Mist Net Sites
- Old Mist Net Sites
- Bird Survey Points
- Grid Trap Sites
- Transect Trap Sites
- Fish Population Surveys
- Waterfowl Survey Areas
- Bird Survey Route
- Water Features

N

0 2,500 5,000 Feet

FIGURE 4-14

USFWS BIOLOGICAL MONITORING SITES (2001-2004) BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-14.mxd

Legend

- Surface Water Monitoring Sites
- Water Features

N

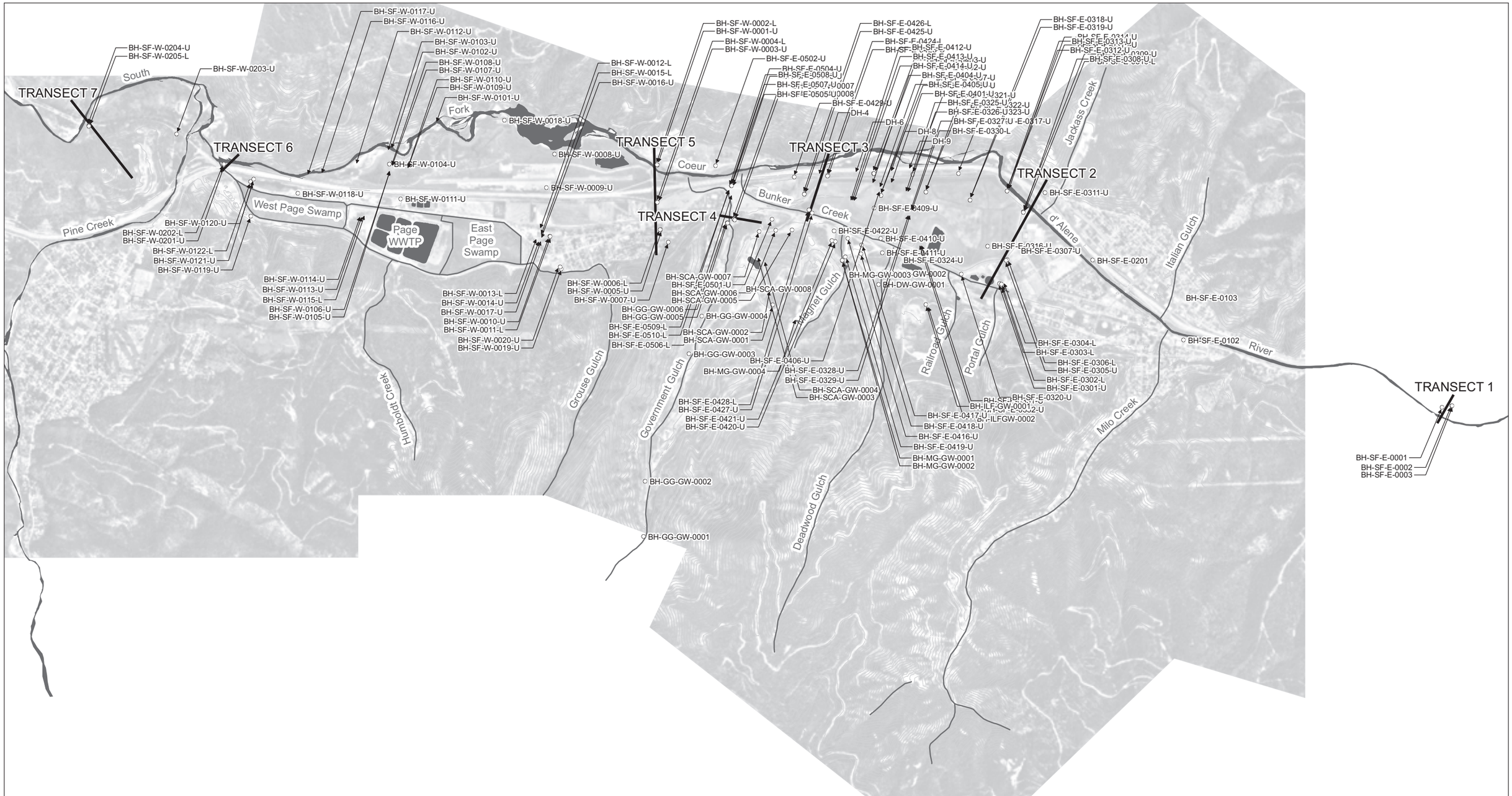
0 2,500 5,000 Feet

FIGURE 4-13

OU2 SURFACE WATER MONITORING NETWORK BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-13.mxd



Legend

- Active Groundwater Wells
- Transects
- Water Features

N

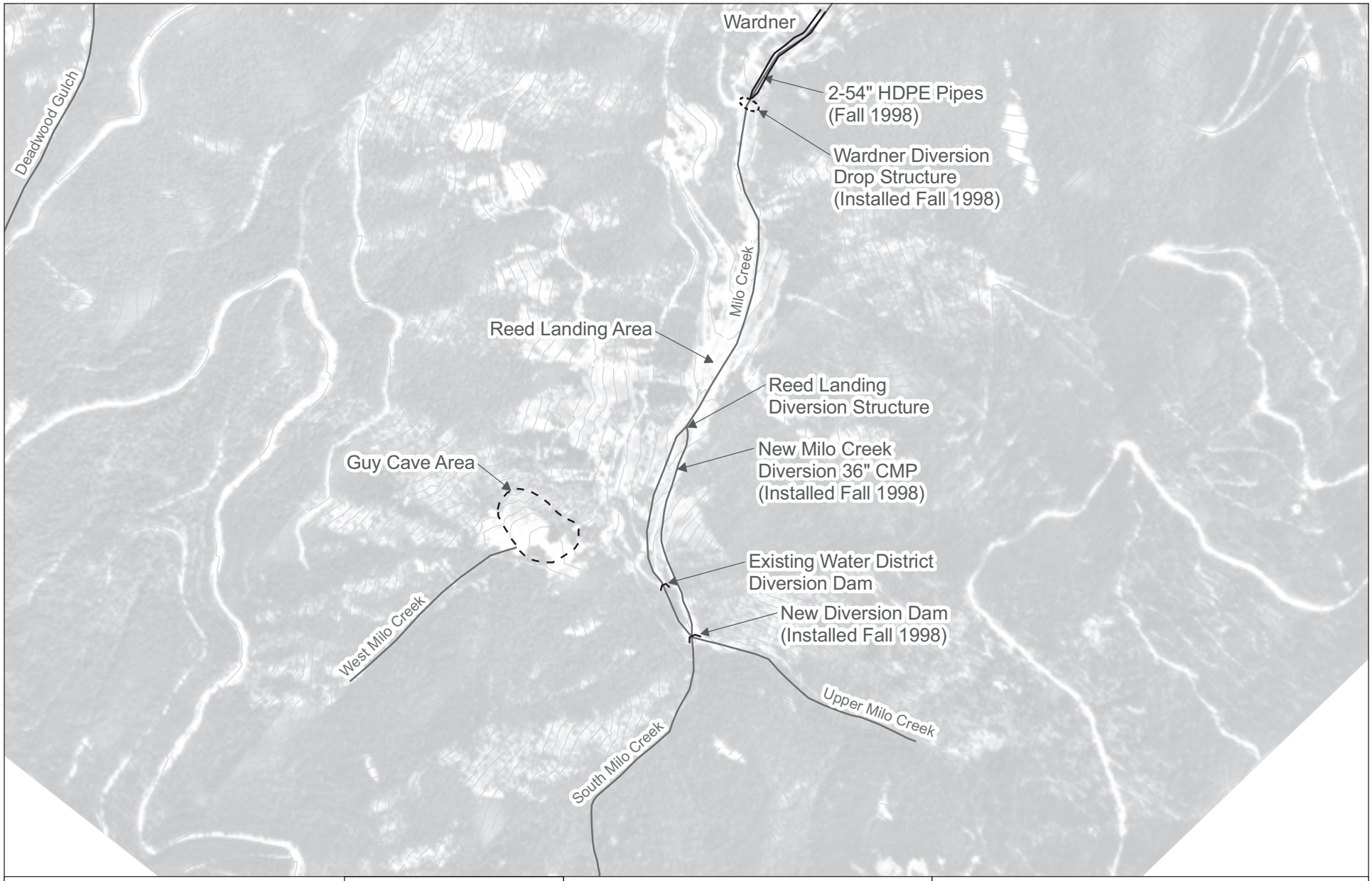
0 2,500 5,000 Feet

FIGURE 4-12

OU2 GROUNDWATER MONITORING NETWORK BUNKER HILL SUPERFUND SITE

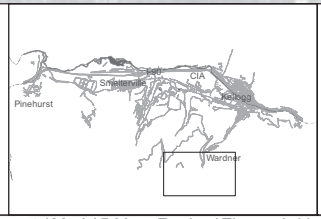
FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-12.mxd



Legend

Water Features



N

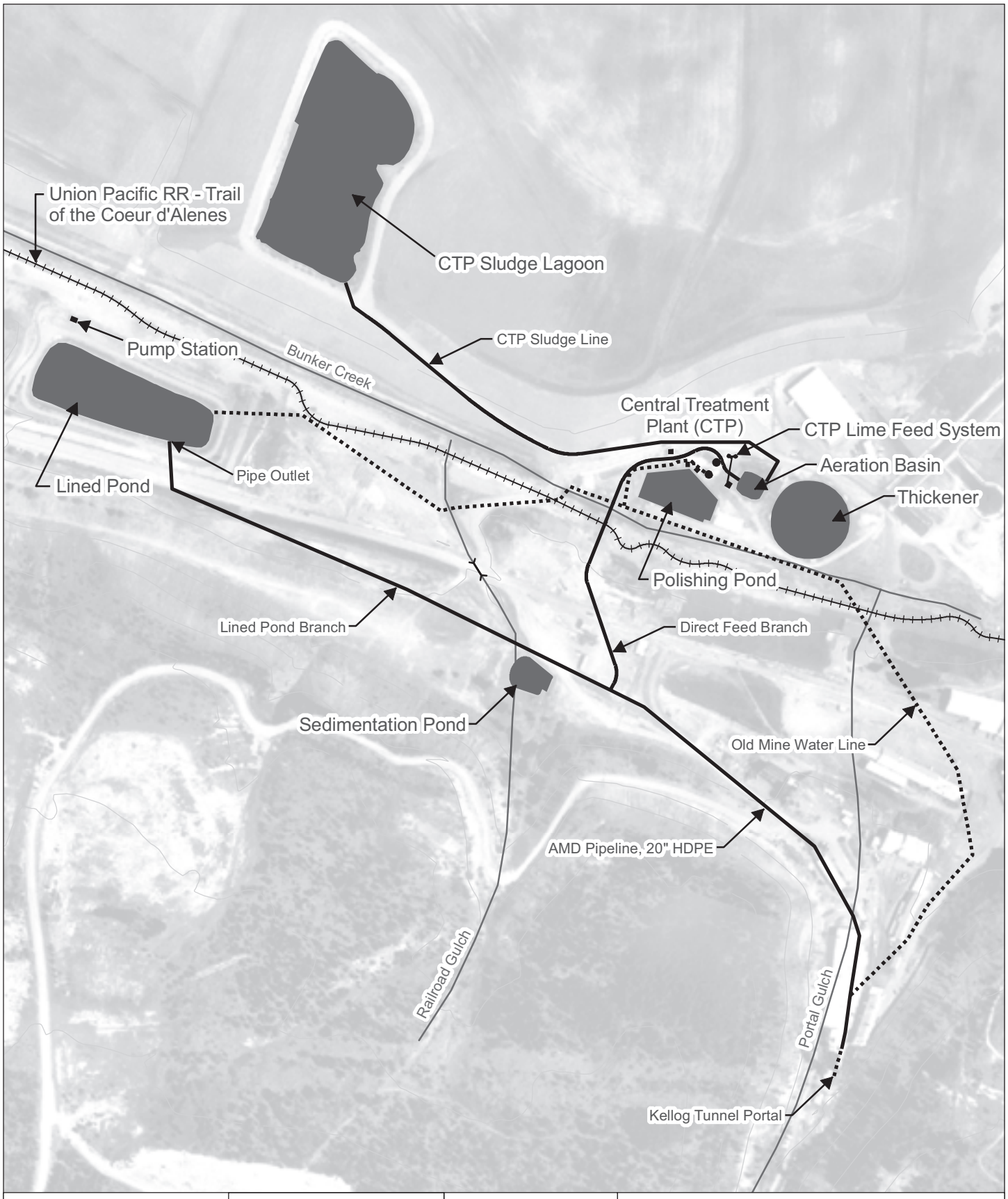
0 500 1,000 Feet

FIGURE 4-11

OU2 MILO GULCH AND REED LANDING BUNKER HILL SUPERFUND SITE

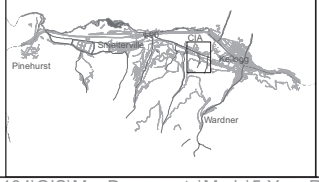
FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-11.mxd



Legend

- Culverts
- Union Pacific RR (now Trail of the Coeur d'Alenes)



N

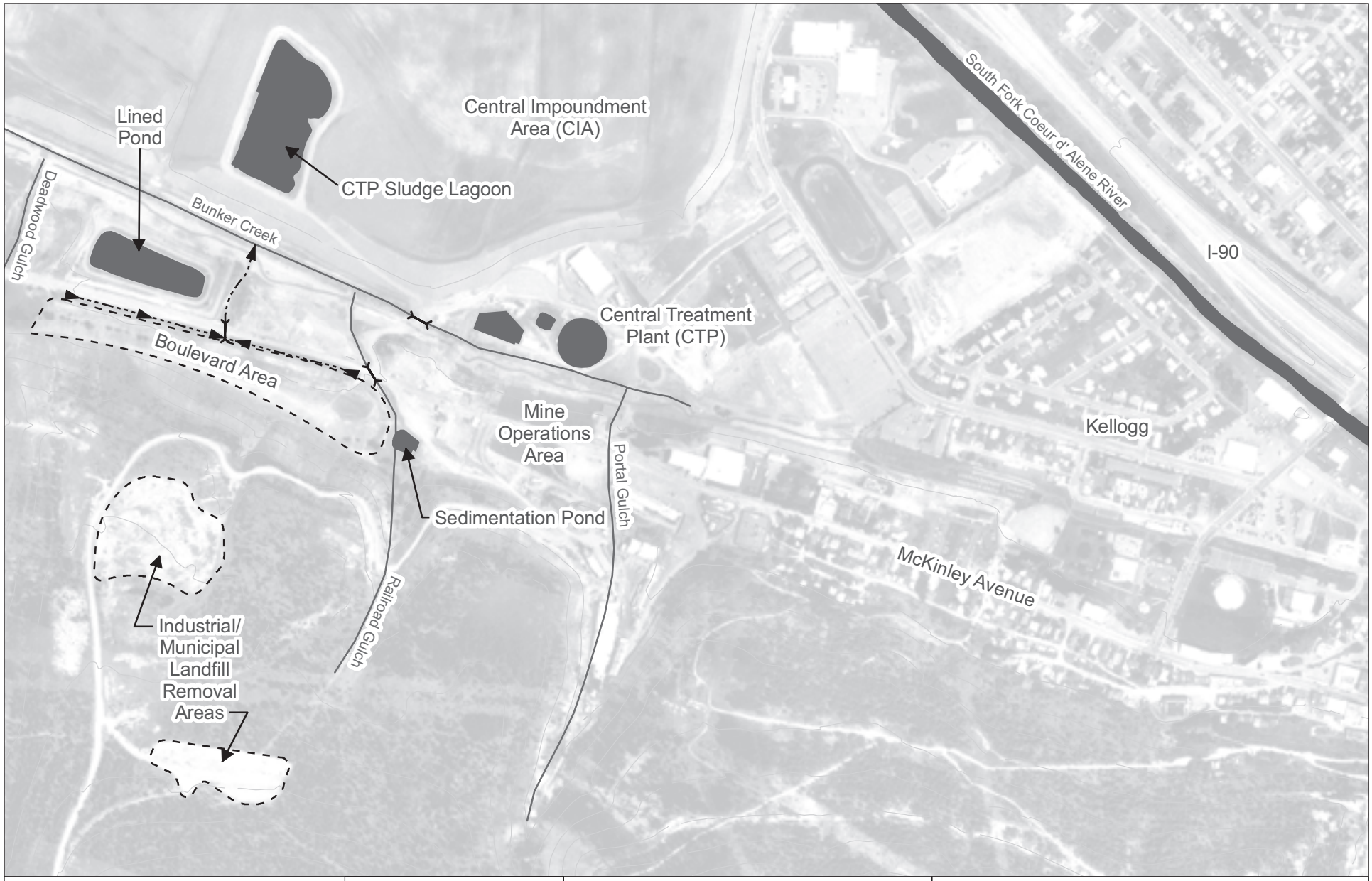
0 100 200 Feet

FIGURE 4-10

OU2 CENTRAL TREATMENT PLANT (CTP) SITE MAP
BUNKER HILL SUPERFUND SITE

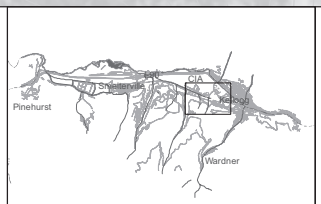
FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-10.mxd



Legend

- Culverts
- Surface Water Drainage Channels
- Water Features



N

0 500 1,000 Feet

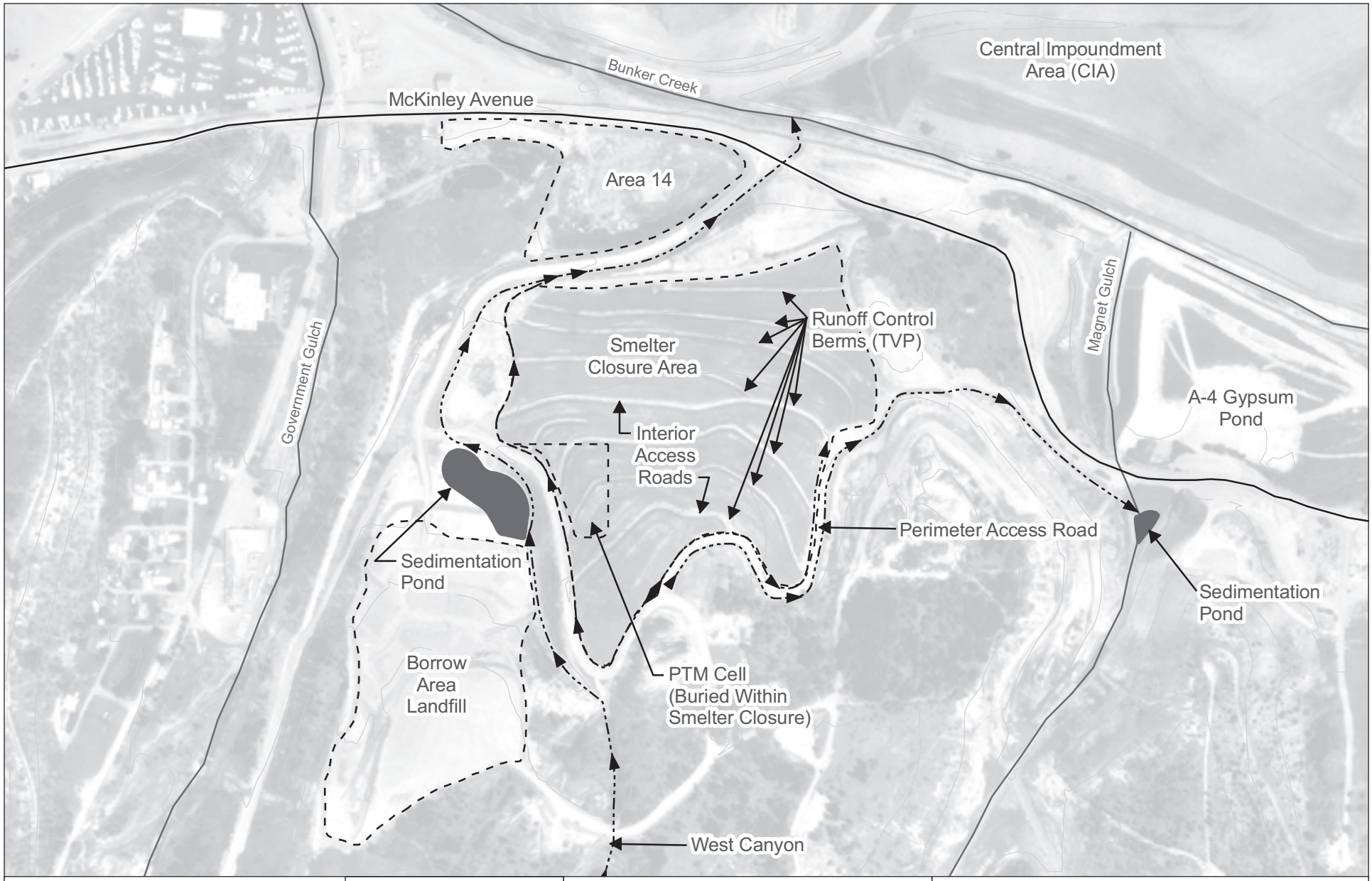
FIGURE 4-9

OU2 MINE OPERATIONS AREA SITE MAP

BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

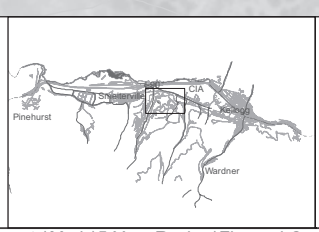
File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-9.mxd



Legend

Surface Water Drainage Ditch

Water Features



N

0 500 1,000 Feet

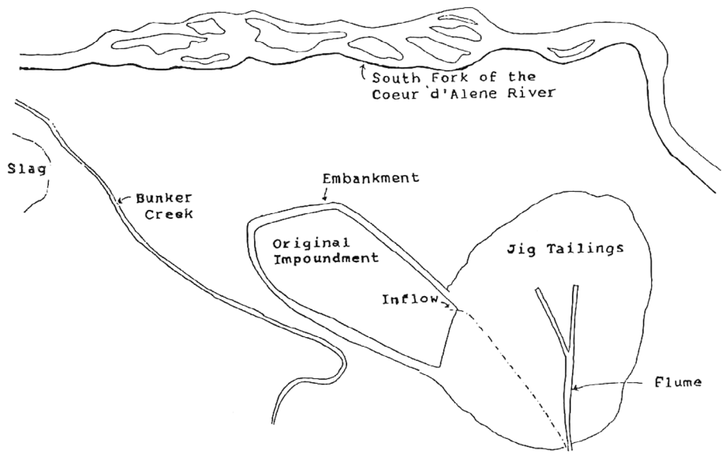
FIGURE 4-8

OU2 SMELTER CLOSURE AREA SITE MAP

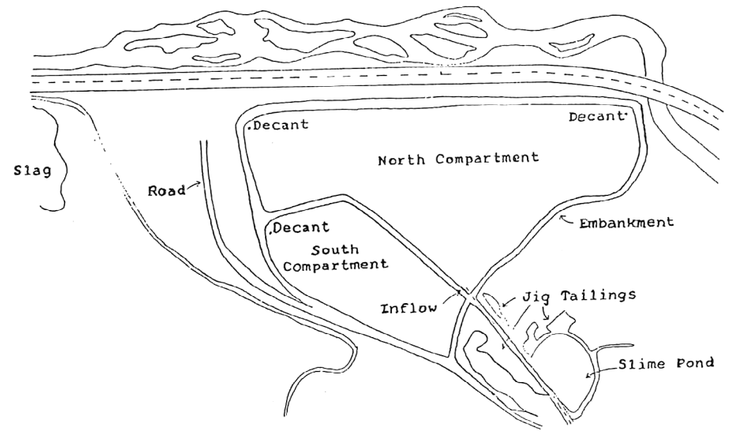
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

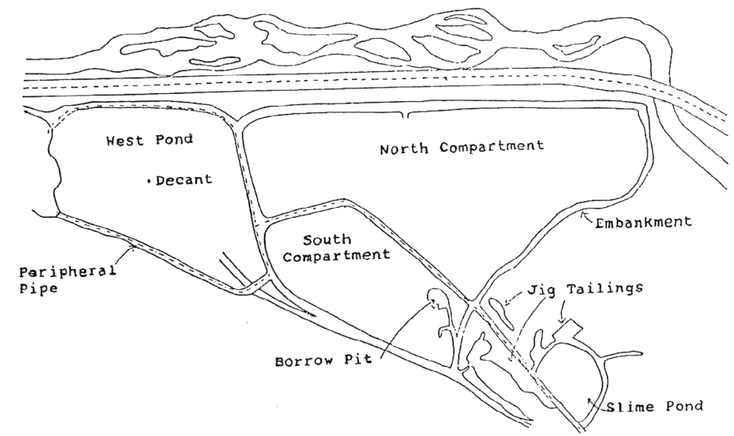
File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-8.mxd



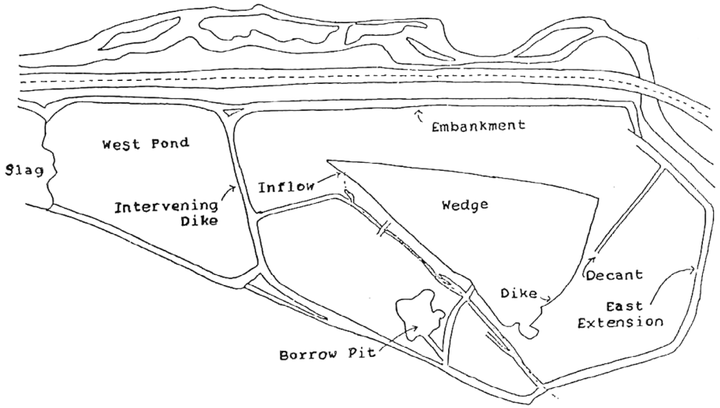
1928



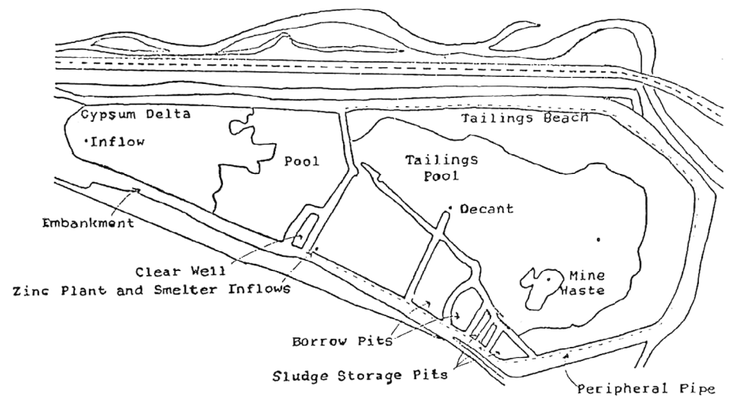
1956



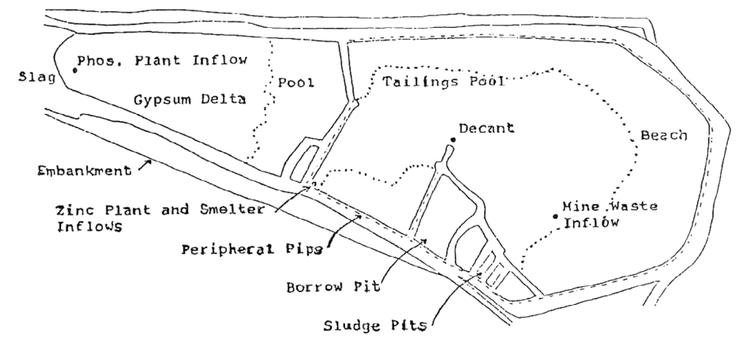
1957



1968



1975



1977

FIGURE 4-7

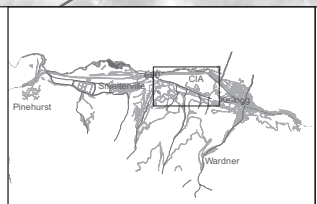
EVOLUTION OF THE CIA
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

South Fork Coeur d' Alene River
CIA Seeps
I-90
West Drainage Outlet
West Drainage Channels
Central Impoundment Area (CIA)
East Drainage Outlet
East Drainage Channels
South Drainage Channels
Bunker Creek
Union Pacific RR - Trail of the Coeur d'Alenes
South Drainage Outlet
CTP Sludge Lagoon
Central Treatment Plant (CTP)
Lined Pond
Magnet Gulch
Deadwood Gulch
Railroad Gulch
Portal Gulch

Legend

- Culverts
- Surface Water Drainage Channels
- Union Pacific RR (now Trail of the Coeur d'Alenes)



N

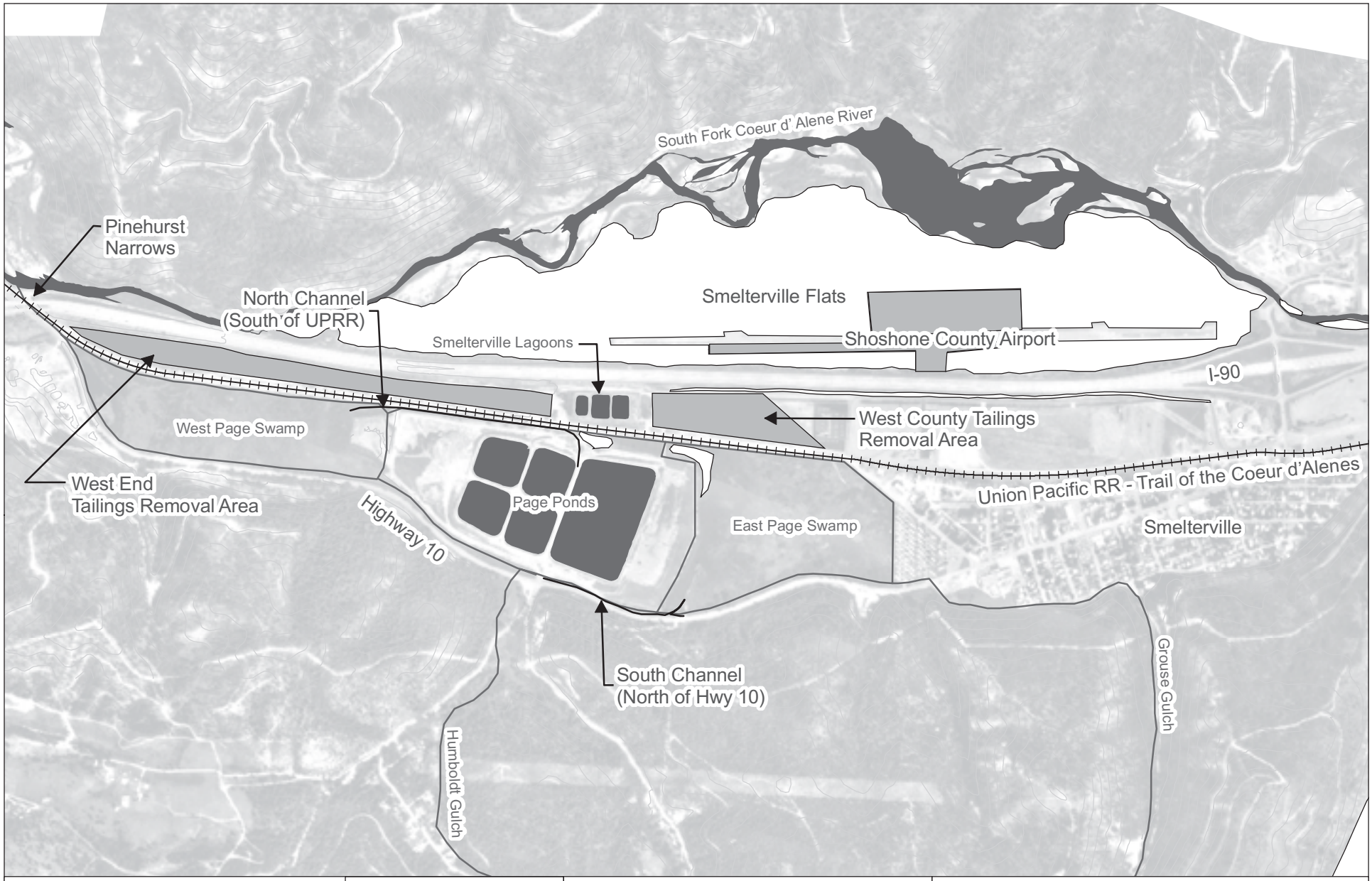
0 500 1,000 Feet

FIGURE 4-6

OU2 CIA SITE MAP
BUNKER HILL SUPERFUND SITE

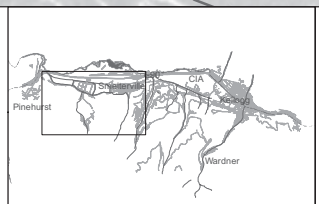
FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-6.mxd



Legend

- Removal and Regrading (topsoil addition in some areas)
- Soil Capping Only
- Union Pacific RR (now Trail of the Coeur d'Alenes)
- Water Features



N

0 1,000 2,000 Feet

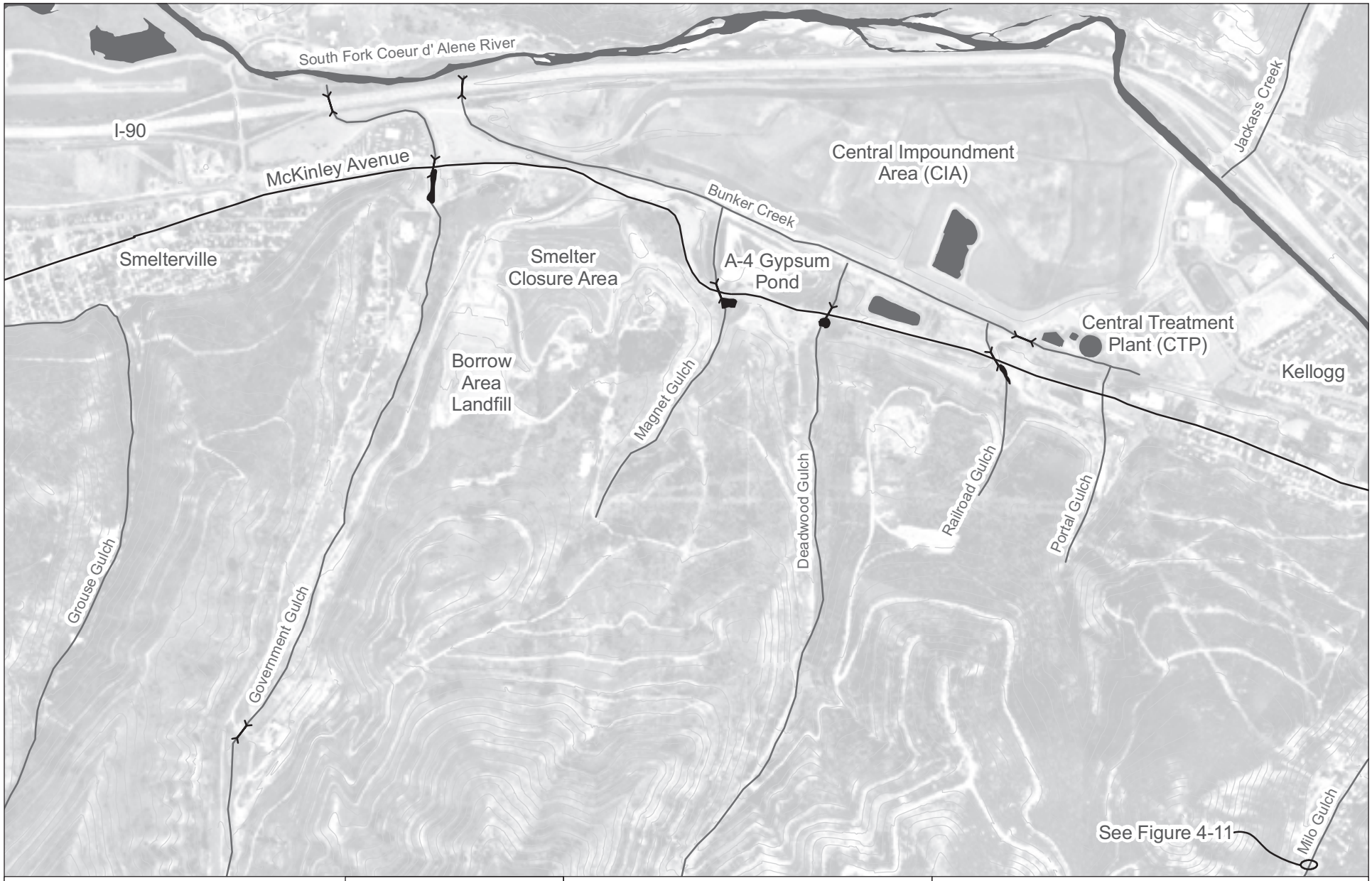
FIGURE 4-5

OU2 SMELTERVILLE FLATS SITE MAP

BUNKER HILL SUPERFUND SITE

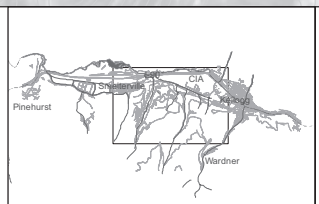
FIVE-YEAR REVIEW

File Path: \\boo\proj\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-5.mxd, Date: September 28, 2005 11:00:18 AM



Legend

- Culverts
- Sedimentation Basins
- Water Features



N

0 1,000 2,000 Feet

FIGURE 4-4

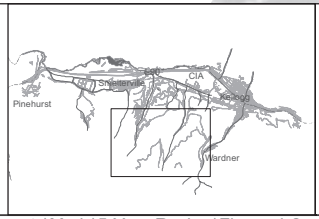
OU2 GULCHES SITE MAP
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-4.mxd

Legend

- Hillsides Revegetated Areas
- Industrial Landfill Removal Areas
- Water Features



N

0 1,000 2,000 Feet

FIGURE 4-3

OU2 HILLSIDES SITE MAP
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-3.mxd

SOURCE: USACE File: G:*proj*RE*WFOEPA*693051*bgbunker2.dgn (September 28, 2004)

Legend

- Parcels Conveyed to State of Idaho (2003, 2004)
- Remaining USEPA-Owned Parcels
- Water Features

N

0 2,500 5,000 Feet

FIGURE 4-15

OU2 PROPERTY PARCELS CONVEYED TO STATE OF IDAHO BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

File Path: Z:\USEnvironmentalProte\321104\GIS\MapDocuments\Mxds\5-Year Review\Figure 4-15.mxd