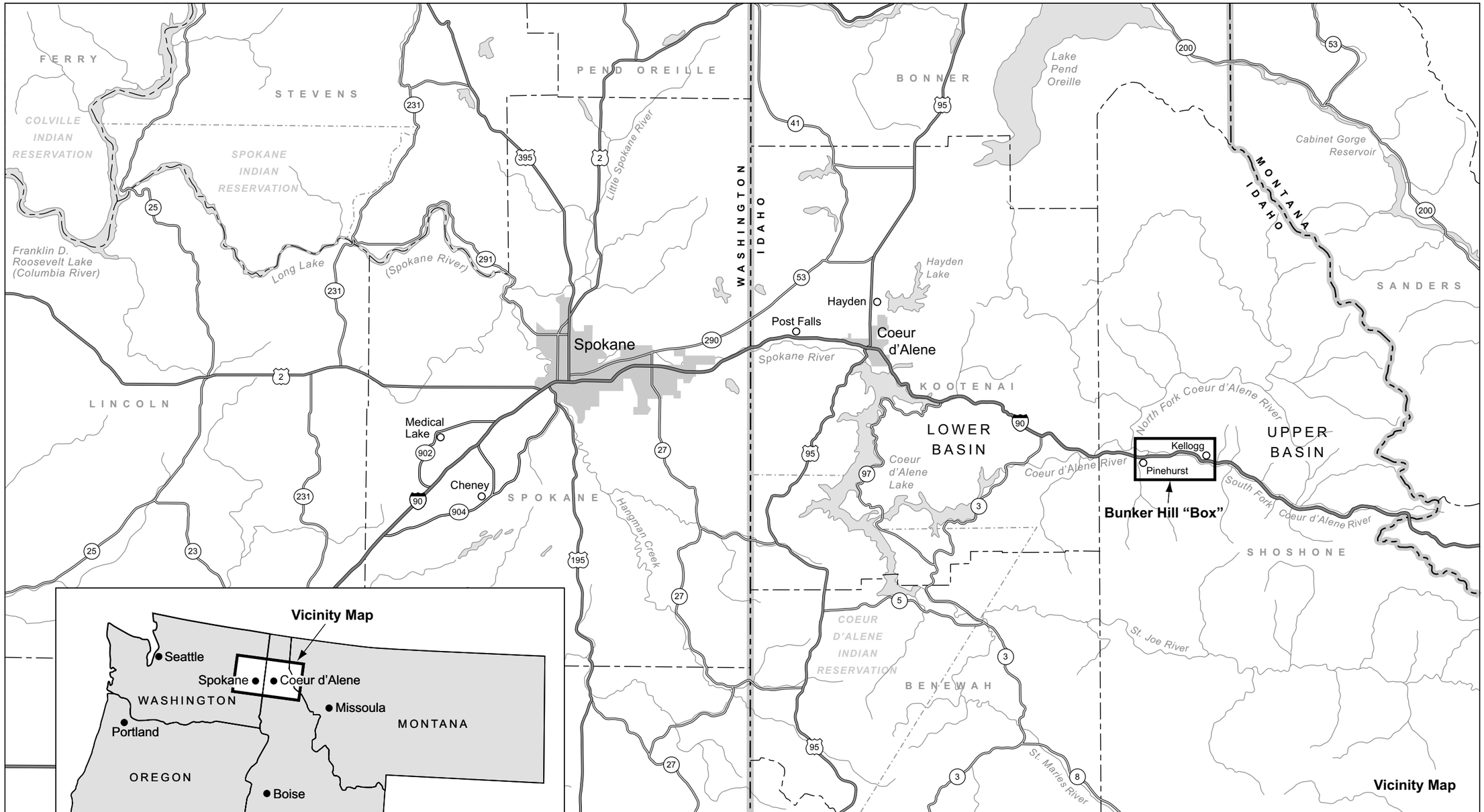


NOTE: OU3 consists of mining-contaminated areas in the Coeur d'Alene River corridor outside of OU1 and OU2, primarily adjacent floodplains, downstream water bodies, tributaries (including Coeur d'Alene Lake and the Spokane River), and fill areas.

Legend

- State Boundary
- County Boundary
- Indian Reservation Boundary
- Interstate Highway
- U.S. Highway
- State Highway

N

0 5 10 15 Miles

FIGURE 5-1

OU3 SITE MAP

FIVE-YEAR REVIEW

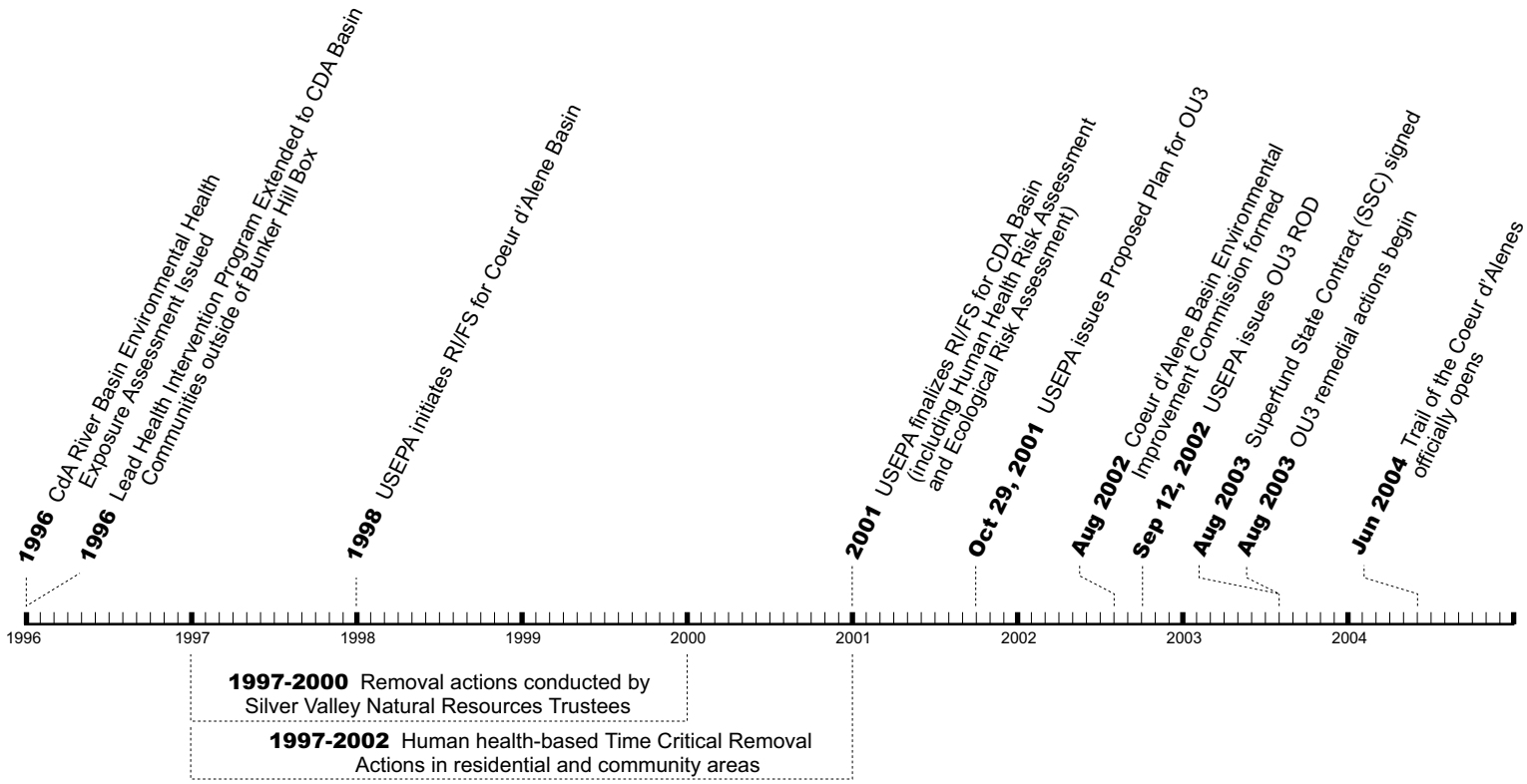


FIGURE 5-2

OU3 TIMELINE
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

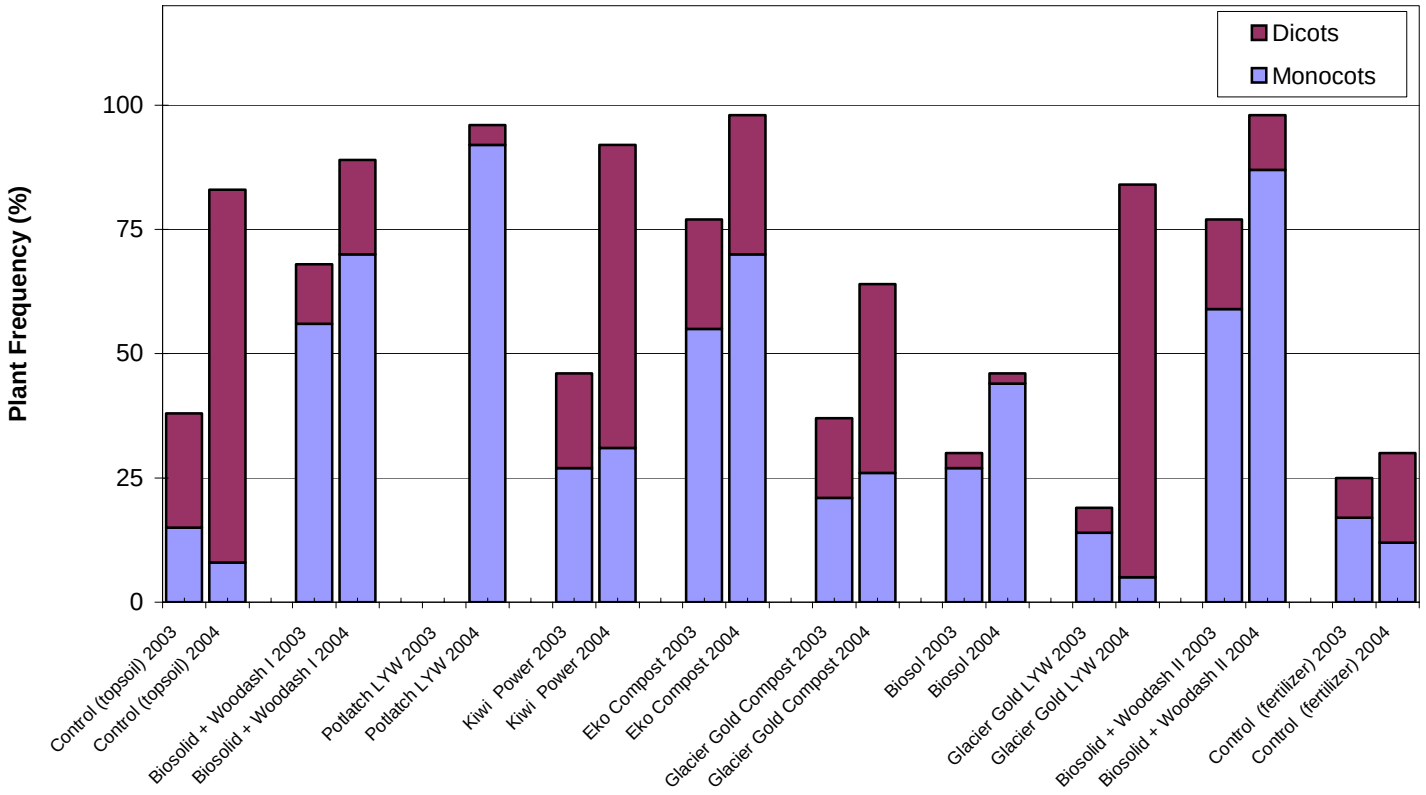


Figure 5-10. Comparison of Plant Frequencies across All Plots

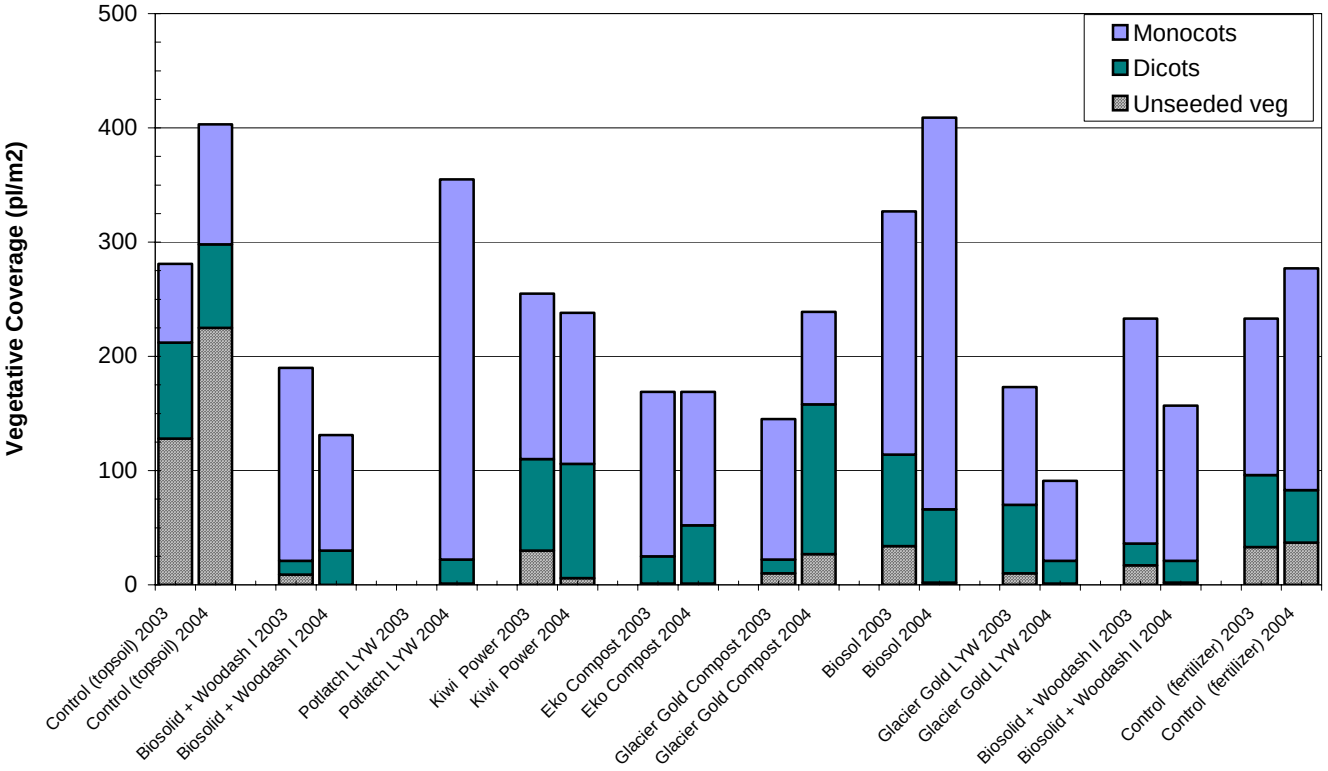


Figure 5-11. Comparison of Plant Densities across All Plots

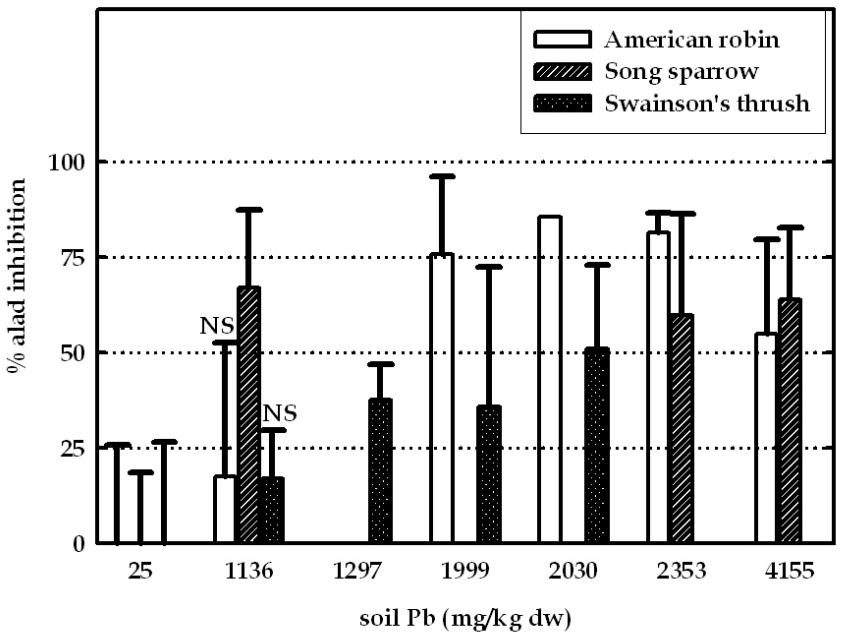


Figure 5-8. Plot of mean (+ 1 standard deviation) of blood ALAD (delta-aminolevulinate dehydratase) activity inhibition for each species at each sampled location. "NS" indicates data that were not significant from the reference location.

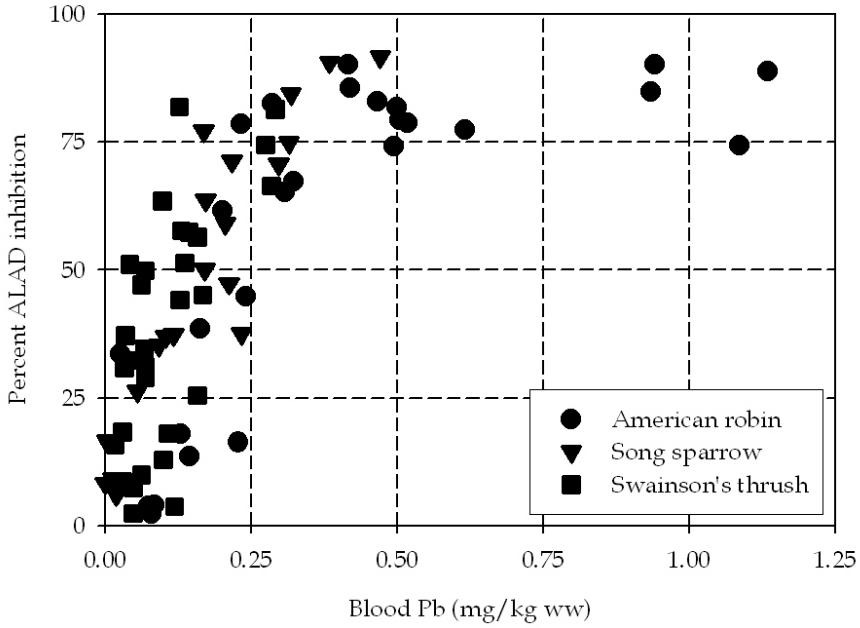


Figure 5-9. Plot of percent ALAD inhibition as a function of blood Pb (mg/kg ww). Points are individual bird measurements.

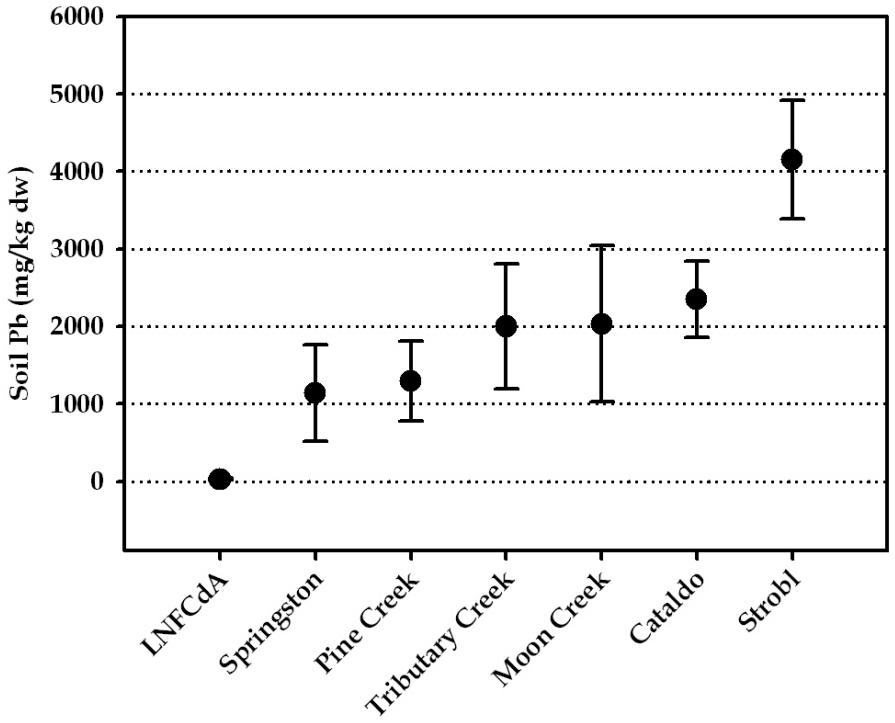


Figure 5-6. Plot of mean (±1 standard deviation) soil Pb concentration (mg/kg dw) at each of the locations sampled

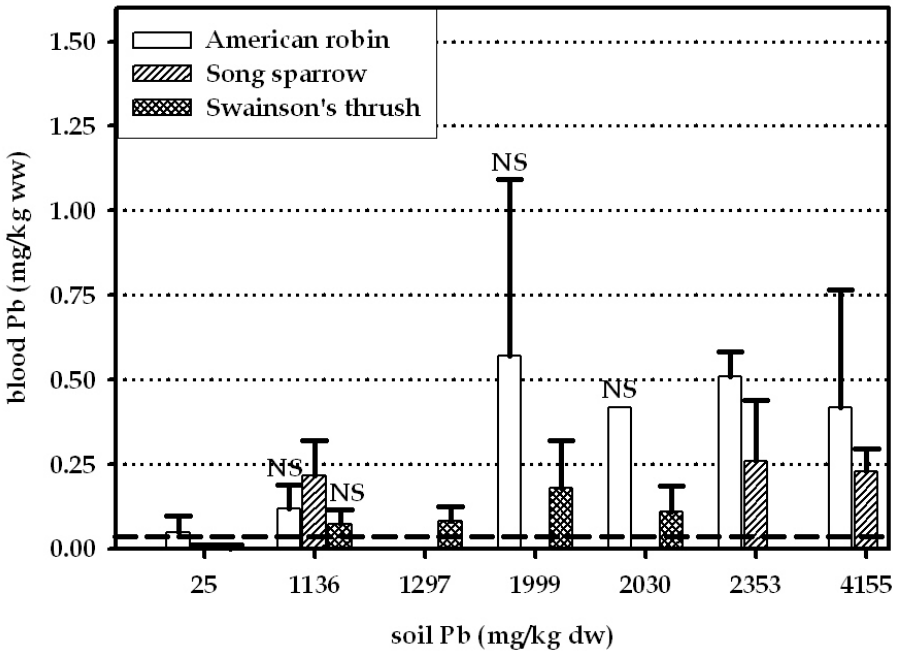


Figure 5-7. Plot of mean (+ 1 standard deviation) of blood Pb concentrations (mg/kg wet wt.) for each species captured at each location. "NS" indicates data that were not significant from the reference location. The dashed horizontal line indicates the mean detection limit for blood Pb.

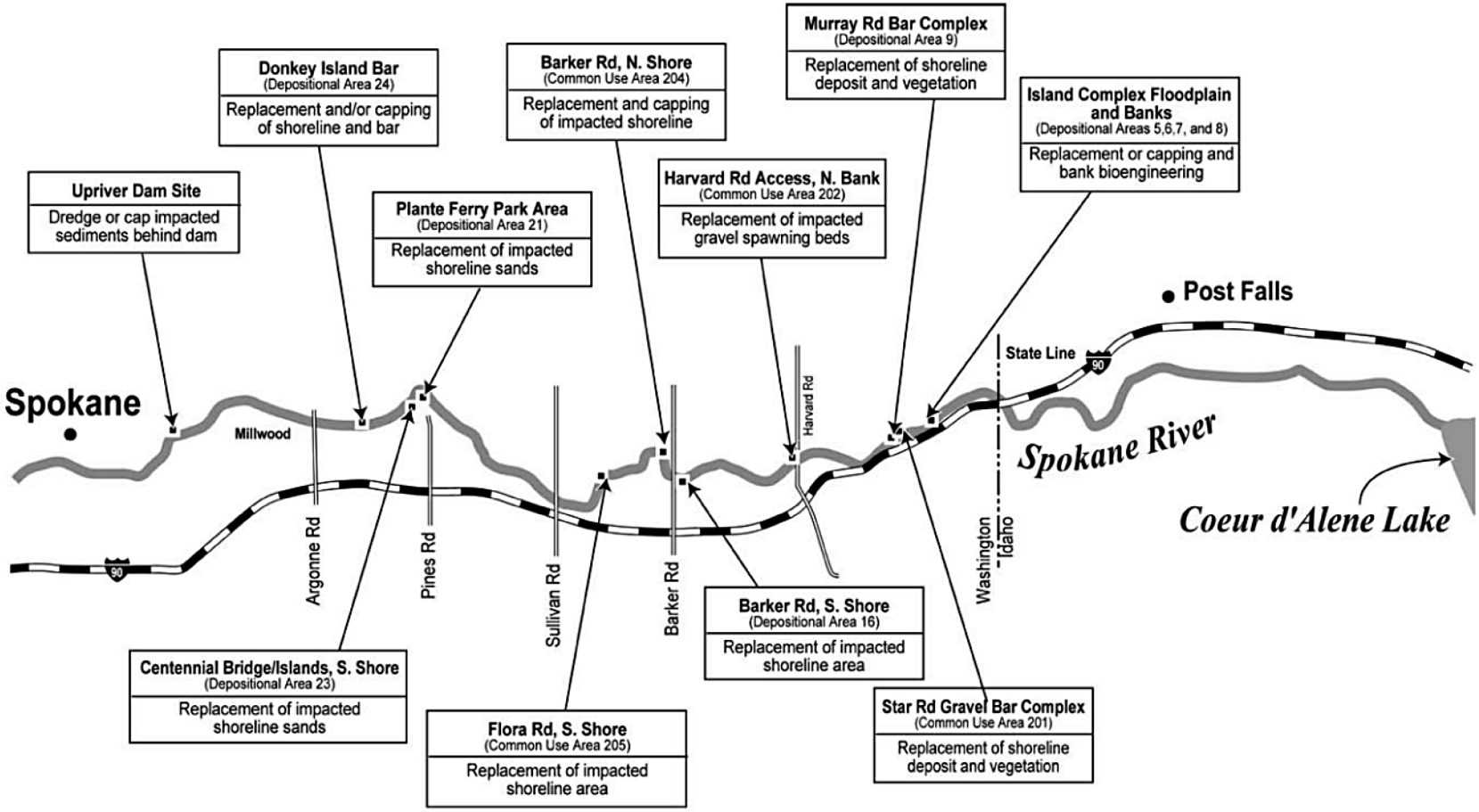
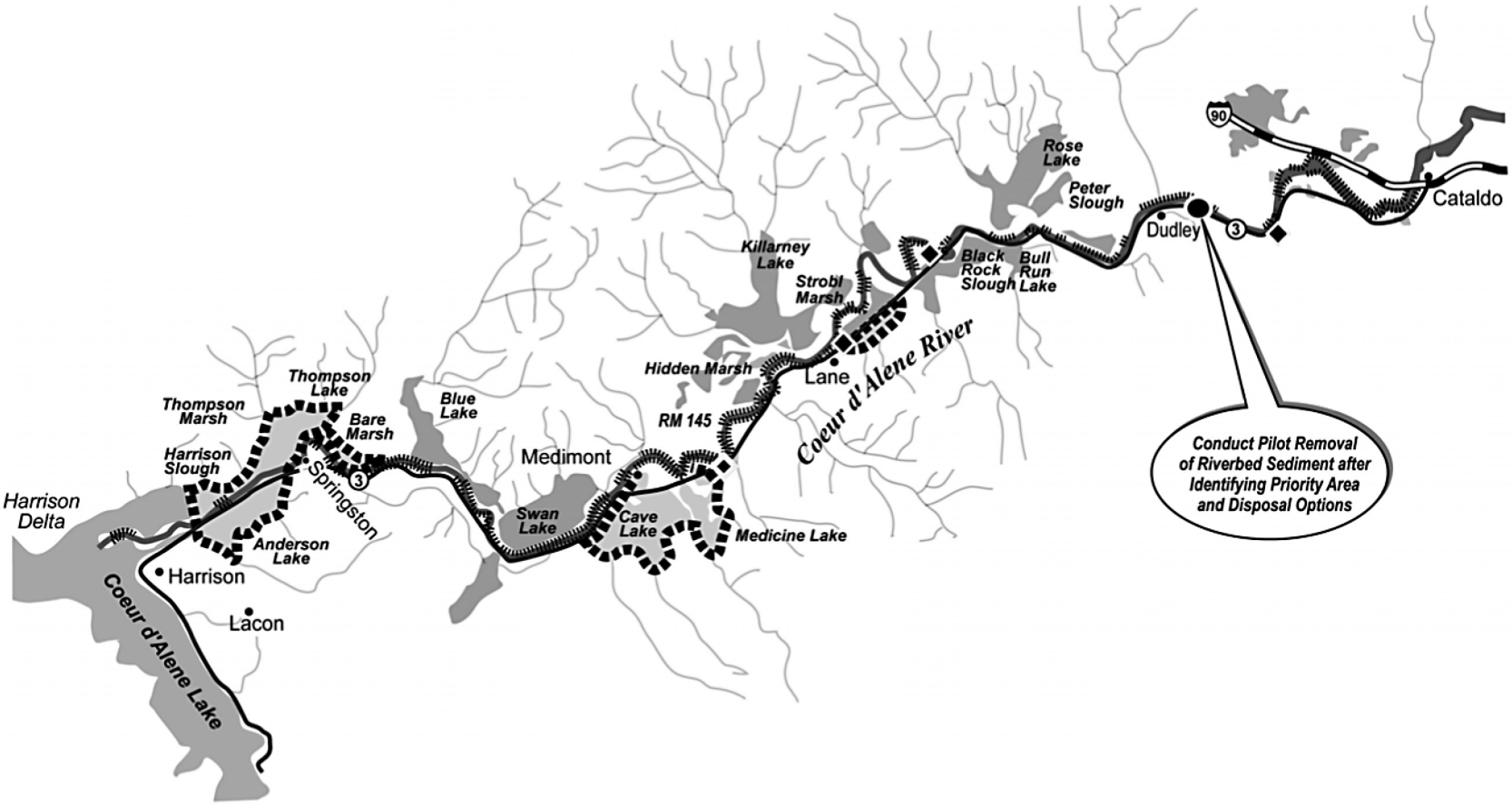


FIGURE 5-5

SPOKANE RIVER CLEANUP ACTIONS
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

E112004005SEA . 321104.FR.01 . 5-5 Spokane River Cleanup Actions . 25mar05 . gr



Legend

- Riverbank stabilization
- Splay area sediment trap
- Lake or wetland identified for cleanup

N

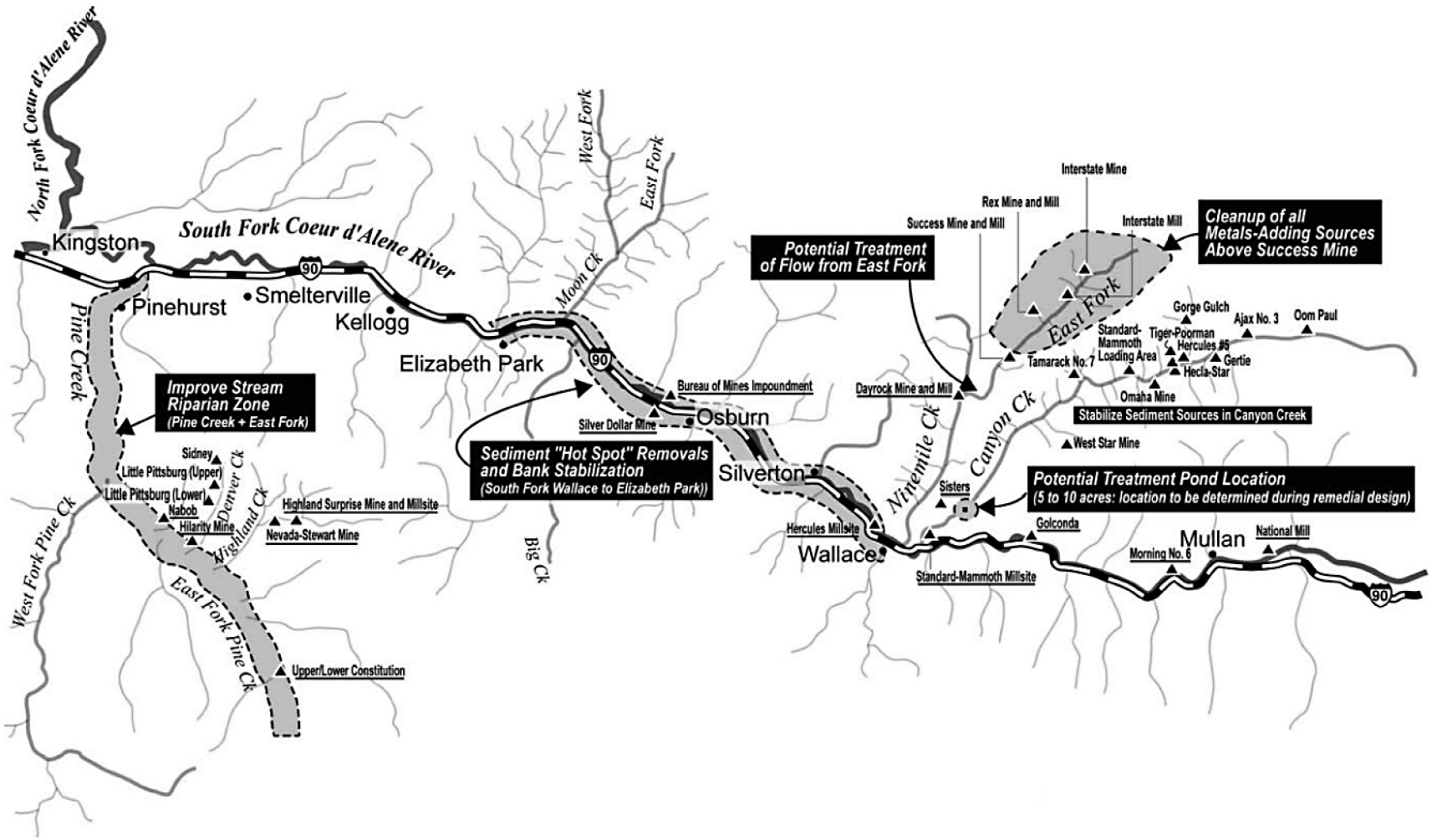
0 1 2 3 4 5 Miles

FIGURE 5-4

LOWER COEUR D'ALENE BASIN CLEANUP ACTIONS BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

E112004005SEA . 321104.FR.01 . 5-4 Lower Basin Cleanup Actions . 25mar05 . gr



Legend

Cleanup actions at dispersed streambank locations

Golconda ▲ Mining-related site identified for cleanup. Underline denotes site has potential for human health exposures

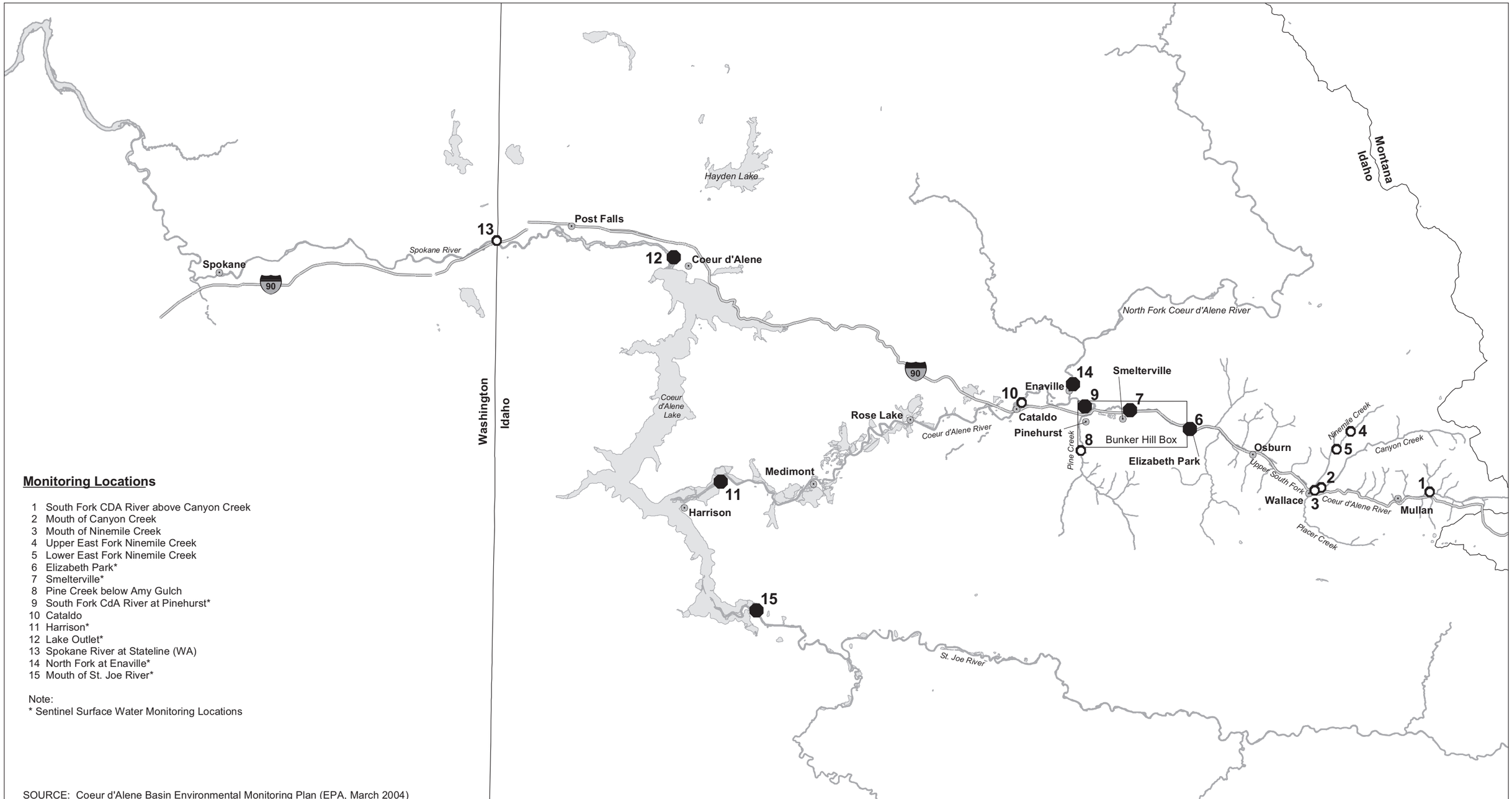
N

0 1 2 3 4 5 Miles

FIGURE 5-3

UPPER COEUR D'ALENE BASIN CLEANUP ACTIONS BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW



Monitoring Locations

1 South Fork CDA River above Canyon Creek
2 Mouth of Canyon Creek
3 Mouth of Ninemile Creek
4 Upper East Fork Ninemile Creek
5 Lower East Fork Ninemile Creek
6 Elizabeth Park*
7 Smelterville*
8 Pine Creek below Amy Gulch
9 South Fork CdA River at Pinehurst*
10 Cataldo
11 Harrison*
12 Lake Outlet*
13 Spokane River at Stateline (WA)
14 North Fork at Enaville*
15 Mouth of St. Joe River*

Note:
* Sentinel Surface Water Monitoring Locations

SOURCE: Coeur d'Alene Basin Environmental Monitoring Plan (EPA, March 2004)

Legend

- Benchmark Surface Water Monitoring Location (5-Year Intervals)
- Sentinel Surface Water Monitoring Location (Annual)
- Water Features
- Bunker Hill Box
- City
- I-90

N

0 6 12 Miles

FIGURE 5-12

BEMP MONITORING LOCATIONS
BUNKER HILL SUPERFUND SITE

FIVE-YEAR REVIEW

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