Tribal Consultation

Portland Harbor Superfund Site

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1921 | Guilds Lake Fill & Swan Island Before Airport

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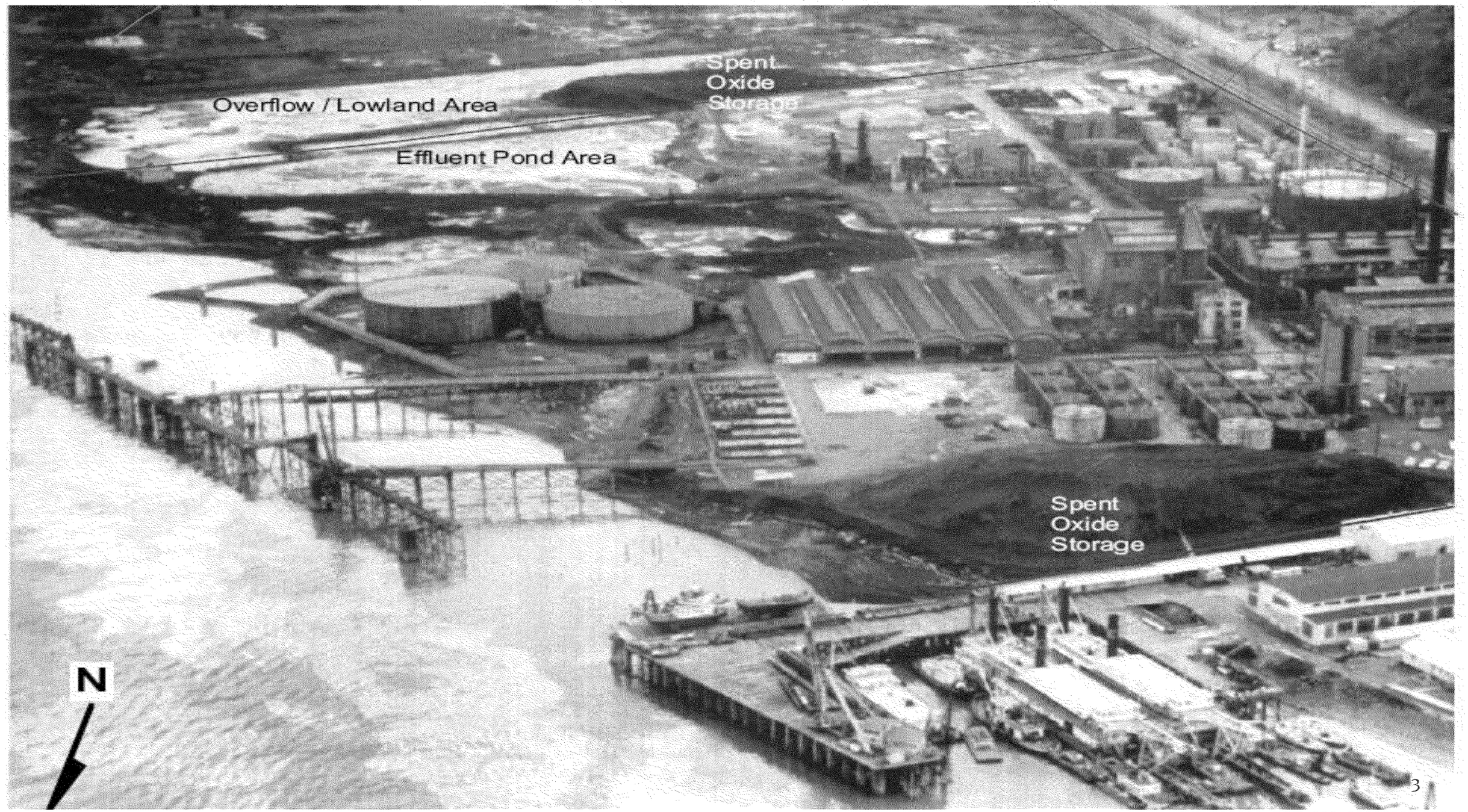
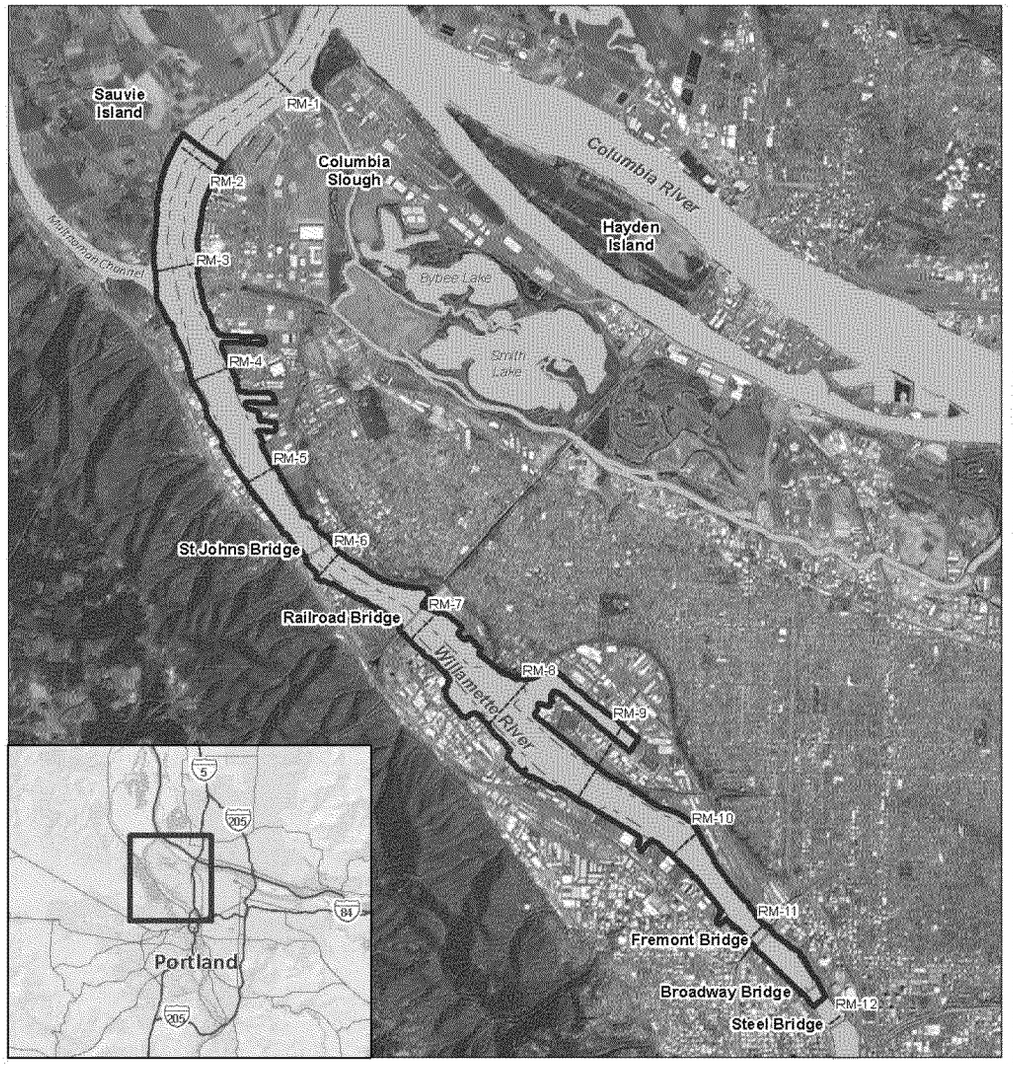
Gasco MGP Site, mid 1950's



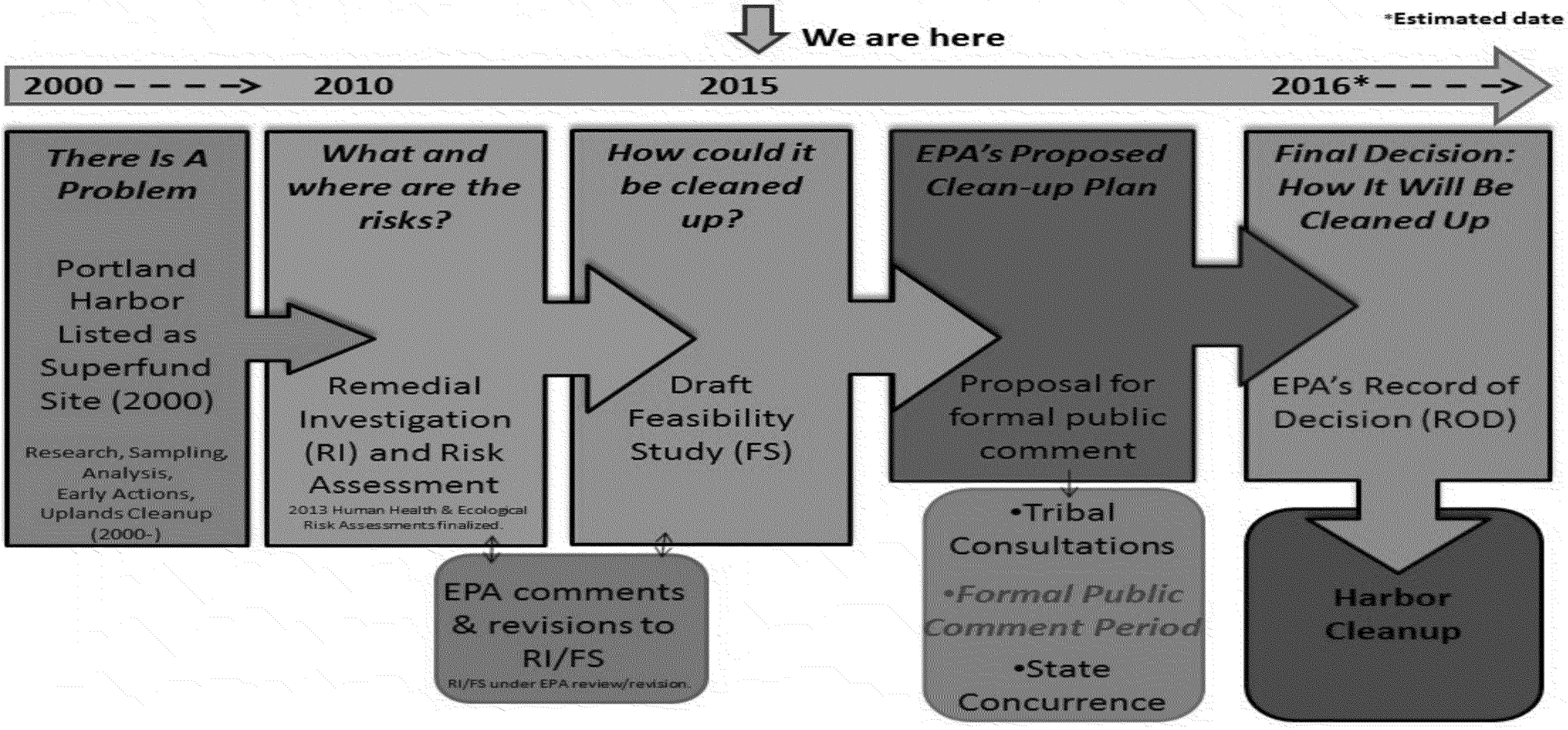
1985 | Dredge at T-1 Pumping Fill to Swan Island Lagoon

Local Setting



Source: LWG

Key Milestones



Tribal involvement at each of these steps

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Contaminants of Concern in Sediment

PCBs
Dioxins/Furans
Total cPAH
Total PAH
Total LPAH
Total HPAH
TPHs

Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Zinc
BEHP
Tributyltin

Aldrin
Dieldrin
Total DDE
Total DDx
Lindane
Total Chlordanes
Hexachlorobenzene
Pentachlorophenol
PBDE

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Tribal Considerations for Risk Assessment

- The Tribes provided fish consumption rates for EPA risk analysis
- Fish living within the site are most contaminated and will benefit most from site cleanup
- EPA evaluated impacts to salmon and lamprey
- EPA considered Tribal and ceremonial uses of the river

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Objectives of the Cleanup

Reduce the contaminants in river sediments, riverbanks, and fish tissue

Protect people and wildlife from eating contaminated fish

Protect people and wildlife from contaminated water and reduce contaminated groundwater migration

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Cleanup Approaches for Sediment Sites

- Removal/Dredging
- Capping
- Treatment
- Enhanced Monitored Natural Recovery
- Monitored Recovery

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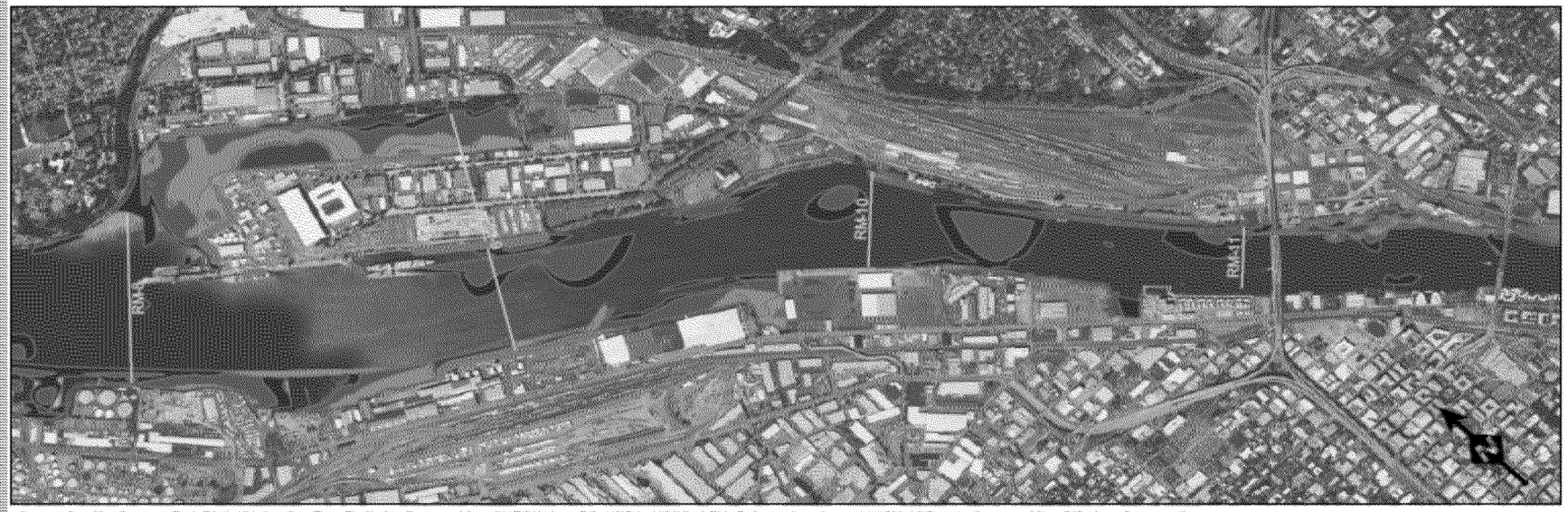
Cleanup Alternatives



Legend

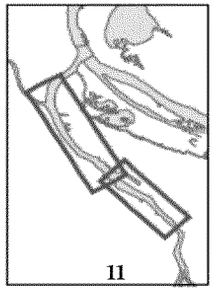
Site with Known Contaminated Riverbank

Alternative SMAs

- Alternative B
- Alternative C
- Alternative D
- Alternative E
- Alternative F
- Alternative G

0 1,000 2,000 3,000 4,000

Feet



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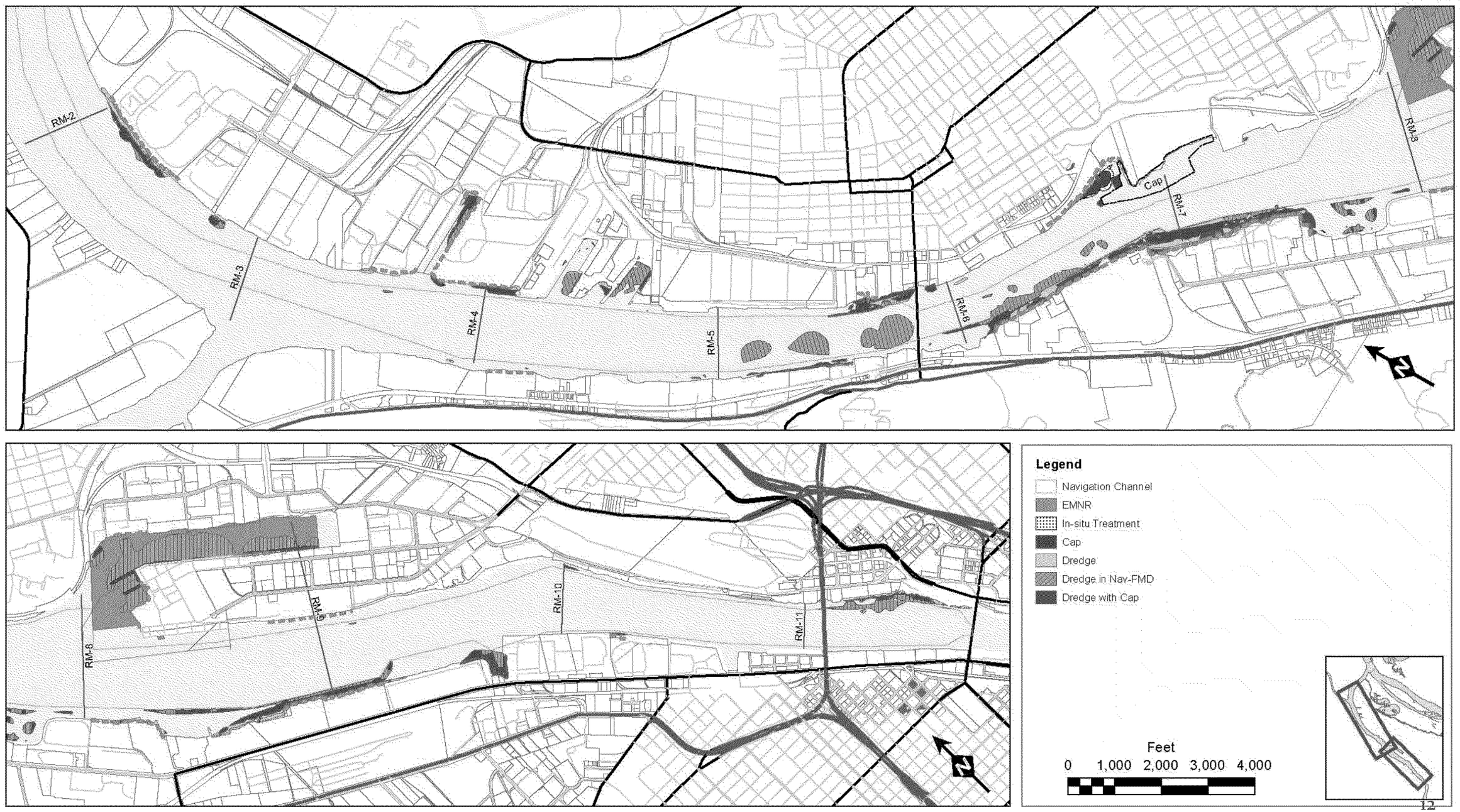

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Immediate Benefits of this Cleanup

Active Cleanup → Monitoring → Goals Achieved

End of Active Cleanup:

- Hot spots are removed or covered
- Wildlife is protected
- Use of caps is minimized
- People can safely contact river sediments

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After Cleanup Construction is Complete

* Monitoring of sediment, surface water and fish tissue to verify cleanup goals are achieved

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Projected Timeline

Gather input to prepare Proposed Plan	Jan/Feb 2016
Educate community	Jan/Feb/Mar 2016
Proposed Plan	Spring 2016
60 day public comment period	Apr/May 2016
Record of Decision	Dec 2016
Negotiate with PRPs	2017
Sampling, Design, Active Cleanup	2017 and beyond

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