

Commencement Bay Nearshore/Tideflats

November 20, 2002 Public Meeting



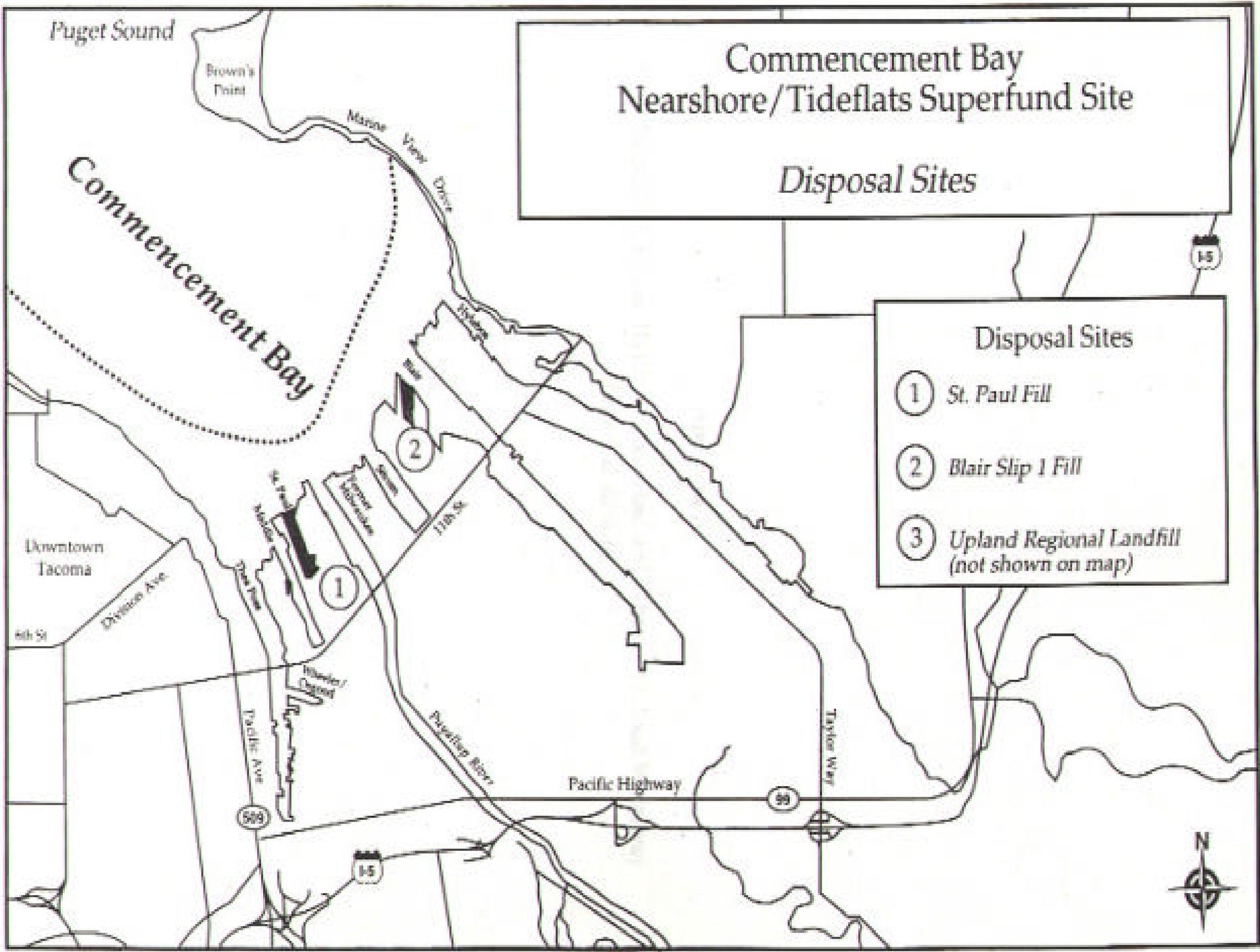
EPA Region 10 Seattle

EPA Contacts

- Peter Contreras, Hylebos Waterway
 - (206) 553-6708 or contreras.peter@epa.gov
- Jonathan Williams, Occidental Removals
 - (206) 553-1369 or williams.jonathan@epa.gov
- Nancy Harney, Middle Waterway
 - (206) 553-6635 or harney.nancy@epa.gov
- Piper Peterson Lee, Thea Foss & Wheeler-Osgood
 - (206) 553-4951 or peterson-lee.piper@epa.gov

Who's Doing the Work in Hylebos?

- Port & Occidental
 - Mouth (Segments 3, 4, & 5)
- General Metals & Atofina
 - Head (Segments 1 & 2)
- Cash out settlement at DOJ



Hylebos -- 2002 Actions

- Pier demolition
- Slip 5 habitat -- “Phase I”
- Blair Slip 1 containment berm
- Also pilot projects for upland disposal
 - December 2000 and 2001



Dredged Material in Container on Railcar



Hylebos -- 2003 Work

- Mouth of Hylebos Segment 5
- Head of Hylebos Segments 1 & 2
 - Including dredging under Ace Tank dock
 - Hylebos Marina
- * See CB/NT Map: General Depiction of Construction Sequencing

Construction “Windows”

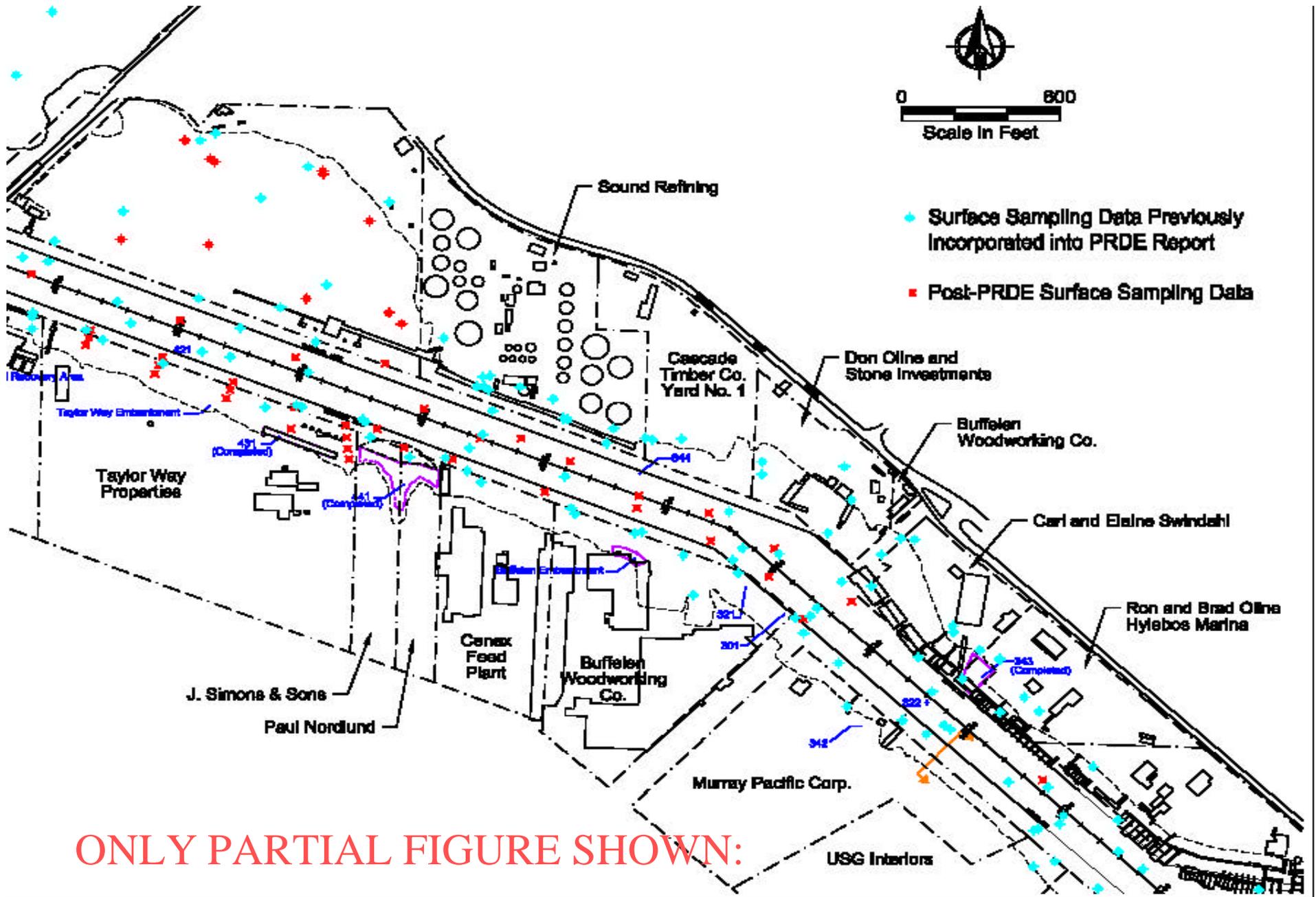
- Time available for in-water cleanup limited
 - Protects migrating Chinook salmon & bull trout
- Work may occur early fall to mid-winter
 - No work permitted in summer (extending into portions of fall/winter)

Hylebos -- 2004 Work

- Segments 3 & 4 dredging in channel
- Intertidal actions throughout Hylebos:
 - Port/Occidental
 - Taylor Way
 - Sound Refining
 - Buffelen
 - Puyallup Tribe
 - Port Parcel 4
 - Port Industrial Yard/Pier 25
 - General Metals/Atofina
 - Way-Conn (formerly J&G Investments)
 - Weyerhaeuser
 - Atofina dock

Issues/Highlights

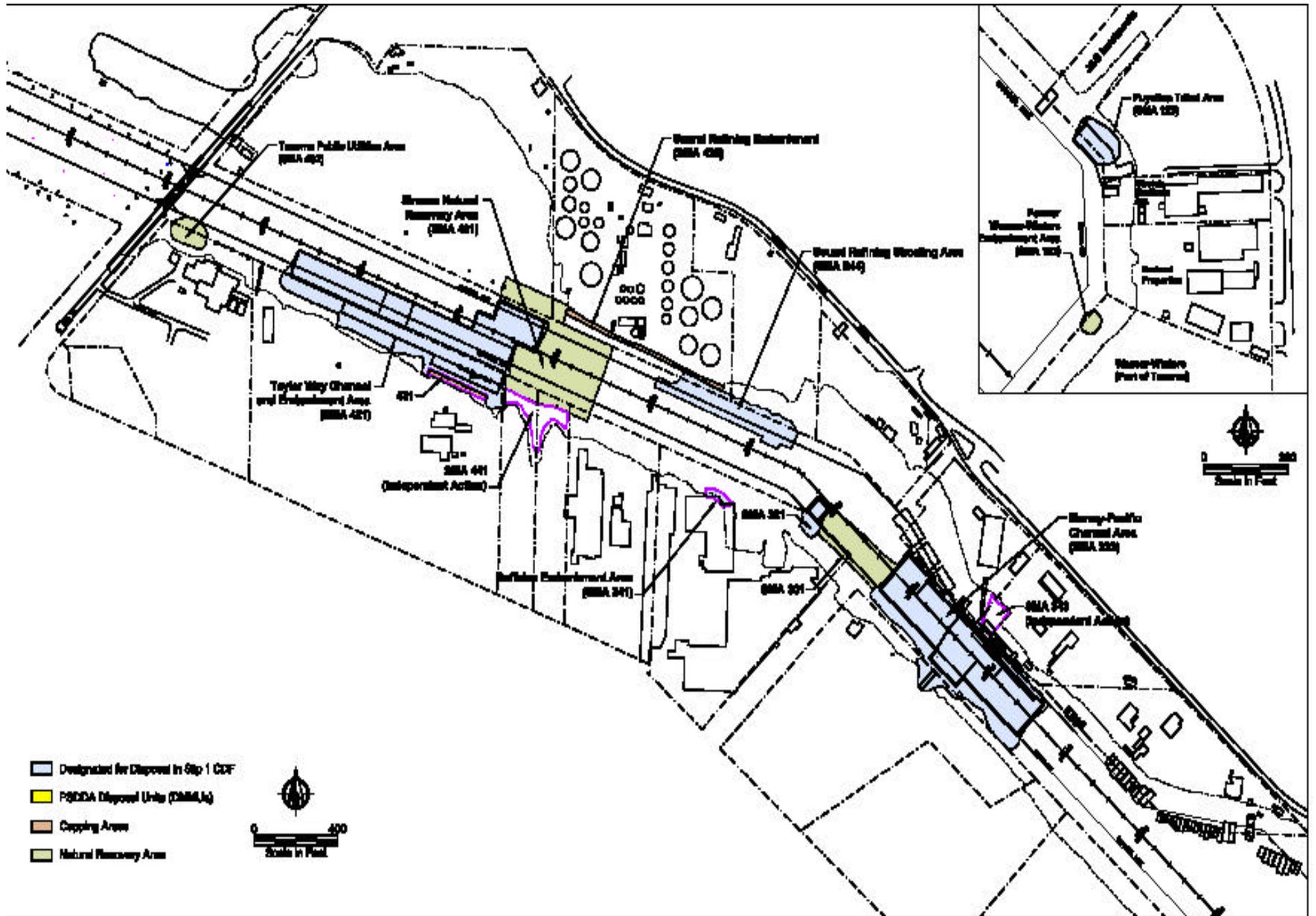
- Additional data characterization
 - Segments 3 & 4
 - Some Segment 5 material sent to PSSDA site, in 2003 & 2004
- Temporary relocation of Hylebos Marina within turning basin



ONLY PARTIAL FIGURE SHOWN:

SEGMENTS 3 & 4 ONLY

Figure 2-1
Pre- and Post-PRDE Surface Sediment Samples
Hylebos Waterway



Environment - Safety All Rights Reserved



Figure 1-1
 Segments 3 and 4 Cleanup Areas
 Specified in the ESD

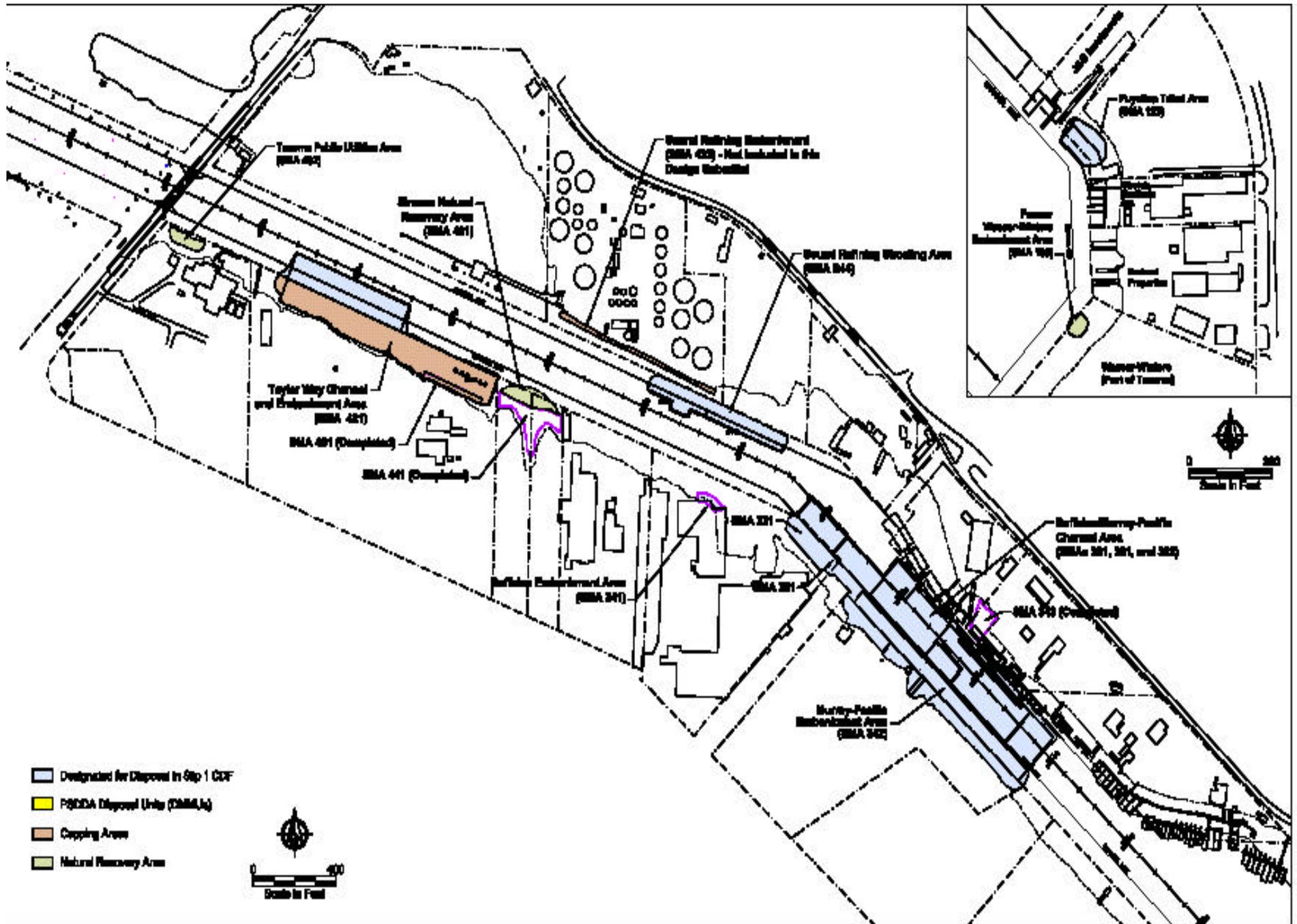


Figure 1-2
Updated Segments 3 and 4 Cleanup Areas

Hylebos Issues/Highlights

- Precision dredging in Segments 1 & 2
 - Proposed visual confirmation sampling
- Some natural recovery areas in channel dredged
- Ecology final Wood Debris Group cleanup fall 2003

Occidental Removal Actions

Area 5106 Removal Action at Occidental Chemical Site

- Removal of 32,000 cubic yards of sediment
 - October 2002 through January 2003
 - Suction dredge under rigorous monitoring
- Slurry separated and treated on-site
 - Air and water emission limits met
- 7415 cubic yards dredged as of 11/16/02
 - Thermally treated solids bound for Slip 1



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Occidental Chemical Site Embankment

- Bank composed of rip rap and “junk”
- Pilot cap installation scheduled for 2003
- Monitor bank seeps in 2003 followed by complete cap in 2004
- Upland ground water cleanup managed by Ecology’s RCRA program

Middle Waterway Update

Who Will Do the Cleanup in Middle Waterway?

- Middle Waterway Action Committee
 - Foss Maritime, Pioneer Industries, & Marine Industries Northwest
 - Areas A & B (mouth/middle of waterway)
- DNR and other PRPs
 - Area C (head of Waterway)

Developments Since February 2002 ESD

- SMU 5a - Overlapped with OVRA action
- SMU 5b - Excavate & backfill
- Area C - Additional cleanup beyond ESD
 - Efforts led by DNR for removal at SMU 51a

Middle Waterway -- 2002 Work

- Consent Decree negotiations
- 95% design complete for Areas A & B

Middle WW: 2003/2004 Actions

- Finalize design
- Complete dredging/capping in Areas A & B
- Disposal of dredged material in Blair Slip 1
- Additional removal in Area C

Thea Foss & Wheeler-Osgood
Waterway Update



Who's Doing Work in Thea Foss and Wheeler-Osgood Waterways?

- City of Tacoma – 2/3rd of waterways
- “Utilities” – Head of the Thea Foss
 - Installing sheetpile wall separating work
- Many parties will help fund the cleanup
 - Settlement under review at DOJ

Thea Foss & Wheeler-Osgood 2002 Actions

- EPA Issued a UAO on September 30, 2002, for six (6) actions:
 - Capping RA 1A and 1B at the Mouth of the Thea Foss
 - Capping Totem Marine Services shoreline
 - Installing a sheetpile bulkhead at Johnny's Seafood
 - Bank restoration in 20% of Wheeler-Osgood Waterway
 - Debris removal and capping under Martinac Pier
 - Pile removal on DNR land in Mouth of Middle/St.Paul Waterways

Thea Foss Source Control Status

- D Street Pipeline
 - Stormwater outfall by Johnny's being worked on by City
 - Ecology exploring options to address historic contamination

Thea Foss Source Control Status

(continued)

- Stormwater AOC
 - Completed 1st year monitoring
 - PAH, PCB and phthalate hot spots being addressed by City of Tacoma
 - Annual report due within the month
 - Phthalate study
 - Determining where loading to waterway is and which sources are most effective to control

Thea Foss Source Control Status

(continued)

- West Bank Seep
 - Ecology should be doing bank RA within next 2 weeks
 - Utilities also doing in-water RA cleanup

City of Tacoma -- 2003 Work

- Conditional approval of RD and RA contractor bidding
- Select disposal site
- Finalize Remedial Design
- Start Remedial Action -- Either CDF construction or construction of pier for upland disposal



Utilities -- 2003 Work

- Complete Remedial Design
- Start Remedial Action
 - Finish by February 2004 Fish Window

Issues/Highlights

- In-water cleanup beginning December 2002
- 2 potential disposal options
 - Confined Disposal Facility at Head of St. Paul Waterway
 - Upland Disposal
- January 2003– public notice for pier at Simpson necessary for upland disposal

Remedial Activities That May Impact People/Waterway Users

- Marinas moved to temporary location near glass museum
- Limited hours of cleanup operations to reduce impact on residents along the Thea Foss Waterway

General Q & A

- Hylebos
- Middle
- Thea Foss & Wheeler-Osgood

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