APPENDIX K

CONSTRUCTION PHOTOS

FISH DIVERSION NET SETUP

Installing fish diversion net

Newly installed fish diversion net

Installed fish diversion net, looking upstream

Installed fish diversion net, looking downstream

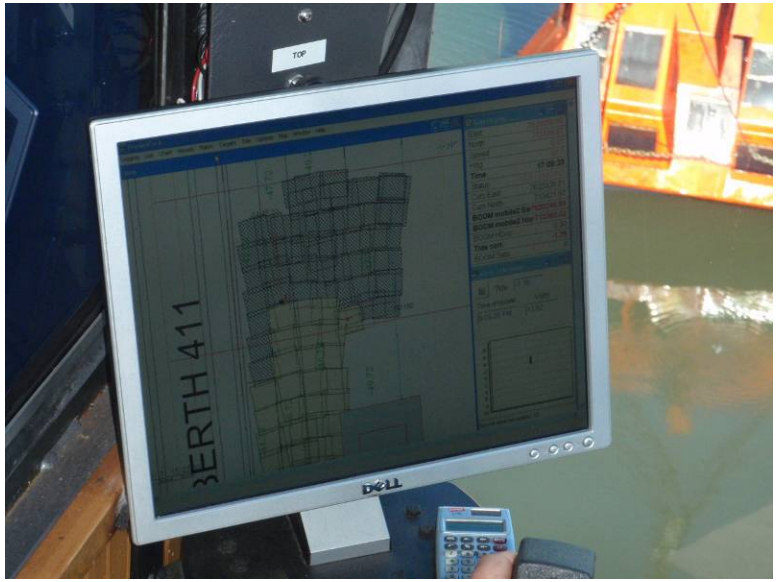
DREDGING AT TERMINAL 4

Dredging at Berth 414 with 20-CY bucket

20-CY bucket descending at Berth 411

20-CY bucket at the surface with a full bucket

20-CY bucket unloading on a barge



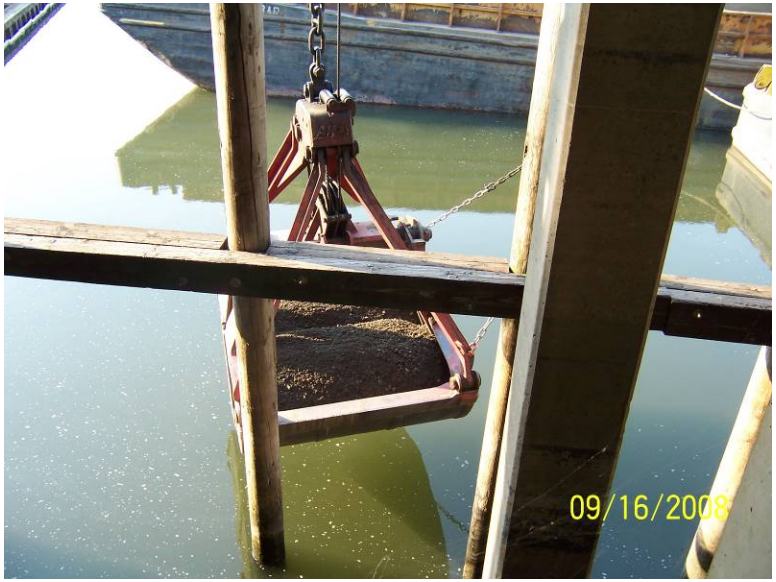
Real-time dredging map in the crane cockpit

Dredging with 10-CY digging bucket next to pier

Loading dredged material onto barge with 10-CY digging bucket

Retrieving sand for placement at Berth 411 Sand Layer area

Sand placement at Berth 411 Sand Layer area



Bucket being positioned at Berth 411 Sand Layer area

Water quality monitoring at T4

Water quality monitoring at T4

Water quality monitoring at T4

Water quality monitoring at T4

Haul barge dewatering at T4

Haul barge dewatering at T4

Haul barge dewatering at T4

Haul barge dewatering at T4

TRANSLOADING FACILITY

Transloading site at The Dalles

Transloading of dredged material at The Dalles from barge to trucks

Offloading dredged material from the barge at The Dalles

Loading dredged material into truck at The Dalles

Water quality monitoring at The Dalles

Water quality monitoring downstream of the barge at The Dalles

Haul barge dewatering at The Dalles

Haul barge dewatering at The Dalles

WATER BATCH DISCHARGE AND DECONTAMINATION

Dewatering of the holding barge

Water pumped to the storm sewer

Decontamination of holding barge at the end of the project

Completed holding barge decontamination

Removal of boom at end of project

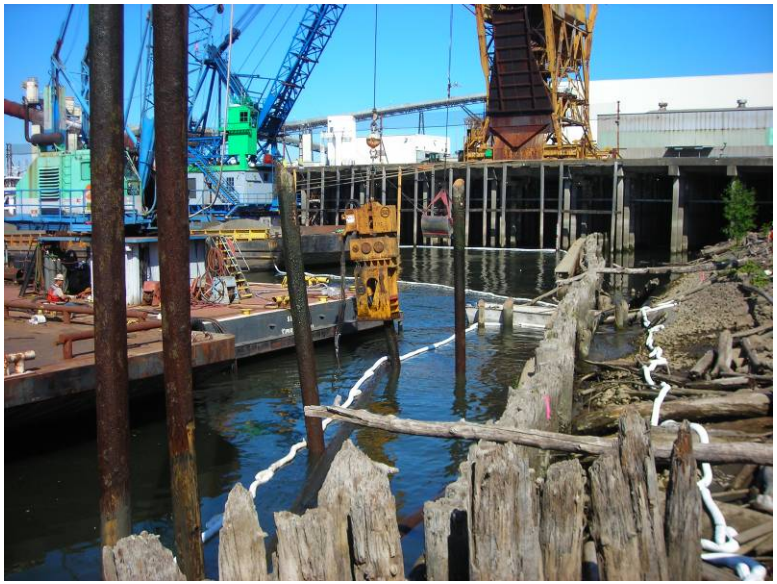
Initial barge decontamination using a sweeper

Decontamination of barges at the end of the project

Completed barge decontamination

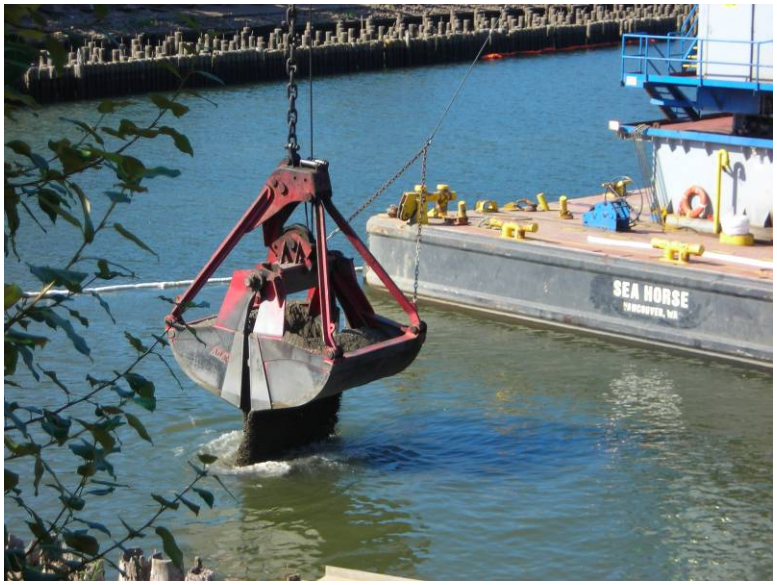
HEAD OF SLIP 3 CAPPING

Pile removal at the head of Slip 3



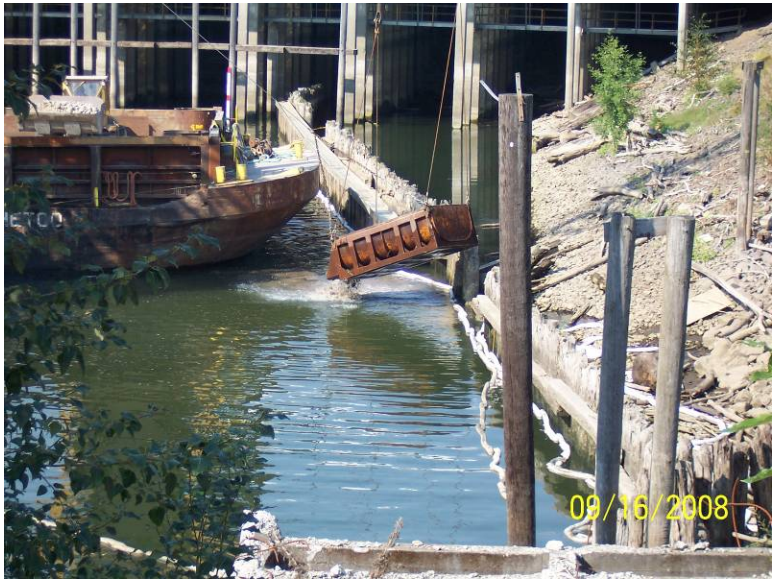
Pile removal at the head of Slip 3

Type 3 Base Cap material on barge



Type 3 Base Cap material placement

Loading Type 3 armor into skiff on barge



Placing Type 3 armor at head of Slip 3

Placing Type 3 armor material

Water quality monitoring during Type 3 armor material placement

Upland excavation at the head of Slip 3 with spider hoe

Head of Slip 3 excavation

Grading underway at the head of Slip 3

Head of Slip 3 prior to capping

Placing Type 3 Base Cap material at the head of Slip 3

Replacing large riprap at the head of Slip 3

Large riprap in place at the head of Slip 3

Completed head of Slip 3 cap with finished Type 3 armor surface

WHEELER BAY SHORELINE STABILIZATION

Wheeler Bay shoreline cleared and grubbed, setting slope

Wheeler Bay shoreline armor placement

Wheeler Bay shoreline habitat cover placement andanchored large woody debris

Wheeler Bay shoreline top soil placement

Wheeler Bay shoreline with new plantings

Top of Wheeler Bay bank

Wheeler Bay, looking south

Completed Wheeler Bay project (looking north)