LOCKHEED WEST SEATTLE REMEDIATION SITE <u>Superfund Site Season 1 Timeline - Major Milestones</u>

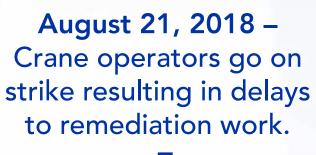


August 14, 2018 -Removal of the pilings and debris in the former shipway and along the shoreline begins.



August 18, 2018 -**Lockheed Martin** participates in the 12th annual Lower Duwamish River Festival to inform the community about the work underway.





August 23, 2018 -Remediation preparation work at the Lockheed Martin West Seattle Superfund site begins with the mobilization of dredge platforms, barges, and water quality monitoring boats on site.





September 10, 2018 -Remediation work resumes.



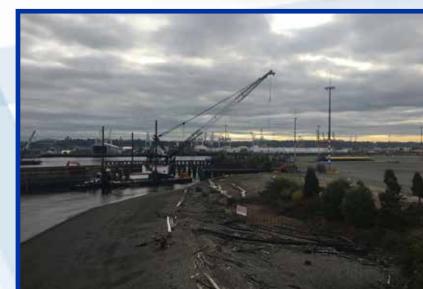


March 28, 2019 -Mid-October 2018 – Final day of fieldwork for An issue with a corroded sheet pile wall in the Season 1.



September -Work resumes





Dredging in shipway viewed from Jack Block Park



Dredge and fill platforms



Debris and piling removal



Lower tier bulkhead post removal



Sediment core sample



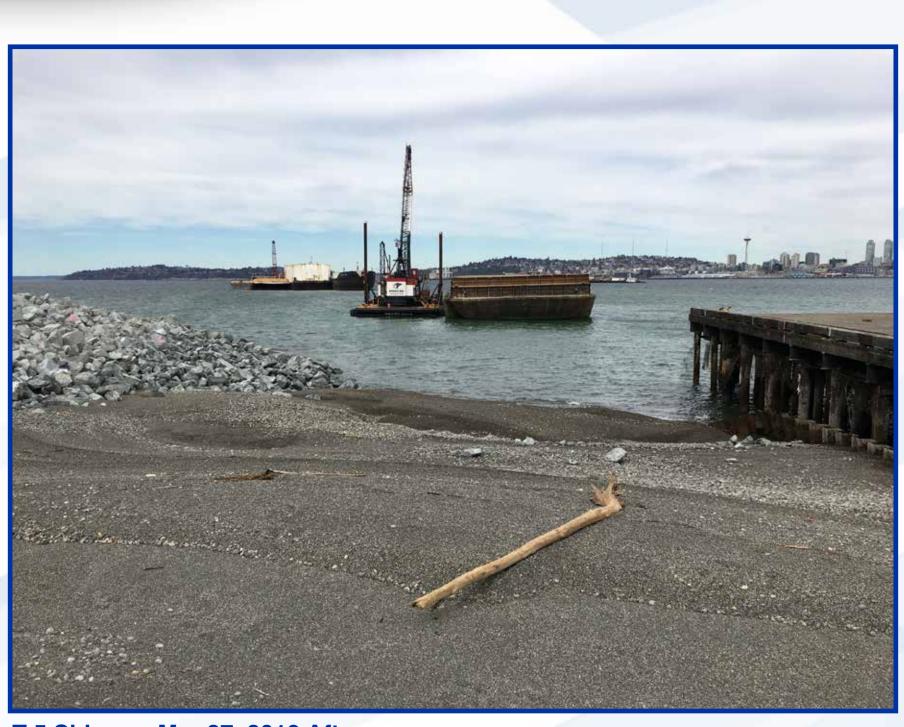
Water quality sampling



Recreation in harbor West Seattle



T 5 Shipway 2015 Before



T 5 Shipway Mar 27, 2019 After

First Season By The Numbers

Sediment sampling after dredging

The numbers below reflect the work conducted during Season 1. Work for season ended March 31, 2019.

- 750 PILES Removed.
- 1237 TONS DEBRIS Removed.
- 114,000 TONS CONTAMINATED SEDIMENTS Removed.
- 39,000 TONS OF SAND Placed for enhanced natural recovery (ENR) and for a residuals management layer (RML) across the site. These are protective cover materials and represent approximately 64% of the design ENR and about 12% of the design RML.
- 124 POST-CONFIRMATION **SEDIMENT CORES** – Collected and processed.
- 18,000 PLUS TONS PROTECTIVE RIP RAP AND FILTER **ROCK** – Placed in the dry dock slopes and former shipway areas.
- 12,500 PLUS TONS SAND, FISH MIX, AND GRAVEL **BEACH MIX** – Placed in the intertidal and subtidal areas.
- **0 COMPLAINTS** Coordination at the work site with Native American fishers was excellent with no damaged fishing nets and no complaints from the Tribes or the community.
- The waste is disposed of at the licensed Waste Management Columbia Ridge Landfill in Oregon.

Interesting Environmental Factoids

- 126,000 GALLONS Fuel saved by using rail to transport dredge spoils instead of trucking!
- 1400 TONS Amount of carbon dioxide (CO₂) emissions reduced!
- 500 POUNDS PLUS Amount of aluminum, paper, and plastic from the site recycled!

COMMUNITY OUTREACH - CONTACT INFORMATION

Lockheed Martin has communicated regularly with the community as part of a government agency and industry team that includes the corporation, USEPA, and numerous state and federal agencies.

The Muckleshoot and Suquamish Indian Tribes, which have usual and accustomed fishing area rights, have been consulted at key points during the cleanup.

Project updates and additional information can be found on Lockheed Martin's website.

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