

# Maury Island Open Space Cleanup Site



*2017 photo looking southeast*

## CONTACT & INFORMATION

Comments accepted:  
April 9 – May 23, 2018

Submit comments online at:  
[bit.ly/Ecology-MauryIsland-Comments](http://bit.ly/Ecology-MauryIsland-Comments)

### Or by mail to:

Cris Matthews, Site Manager  
WA Department of Ecology  
913 Squalicum Way, Unit 101  
Bellingham, WA 98225  
Phone: 360-255-4379  
Email: [Cris.Matthews@ecy.wa.gov](mailto:Cris.Matthews@ecy.wa.gov)

### Document review locations:

Vashon Public Library  
17210 Vashon Highway SW  
Vashon, WA 98070  
Phone: 206-463-2069

Ecology-Bellevue Office  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008-5452  
By appointment, call 360-649-7190

Website: [bit.ly/Ecology-MauryIsland](http://bit.ly/Ecology-MauryIsland)

Facility Site ID: 2901216

Site Cleanup ID: 1532

## Cleanup plan ready for review

The Department of Ecology (Ecology) invites you to review a draft cleanup plan and associated documents for the Maury Island Open Space Cleanup Site (Site). The plan specifies environmental standards, cleanup methods, and scheduling as part of an existing agreement between Ecology and King County. A future legal agreement will implement the cleanup work described in the plan.

The following documents will be available from April 9 through May 23 for review:

- **Remedial Investigation:** details an investigation of the nature and extent of contamination at the Site.
- **Feasibility Study:** identifies 5 alternatives, and a preferred alternative, for addressing contamination at the Site.
- **Draft Cleanup Action Plan:** describes how the preferred alternative will be implemented at the Site.
- **State Environmental Policy Act-Determination of Non-Significance:** a determination that the cleanup work is not likely to harm the environment.

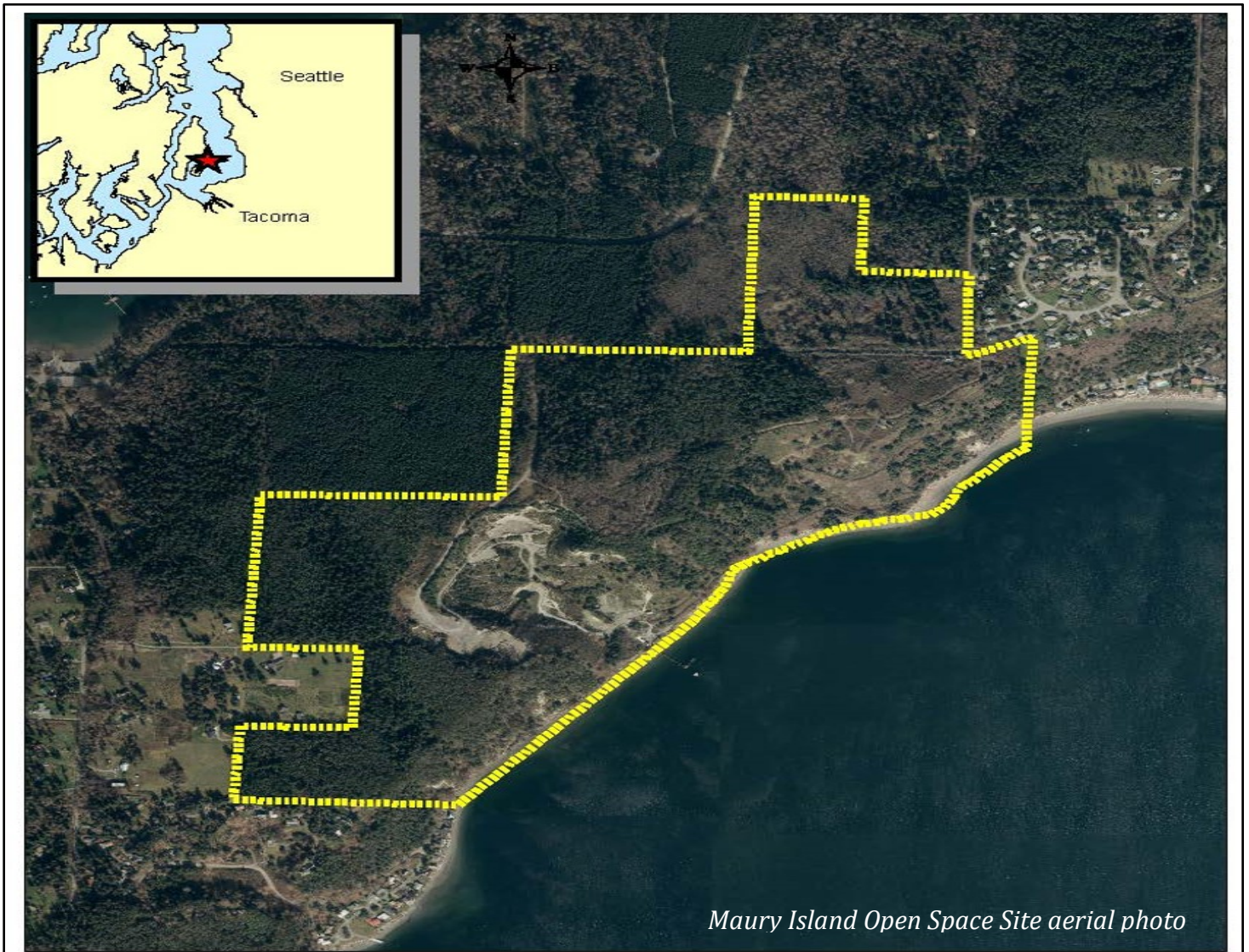
## Ecology will host a public meeting to provide information & take comments

Wednesday, April 11, 2018  
7-9pm

Vashon High School Theater  
9600 SW 240<sup>th</sup> Street  
Vashon, WA 98070

## History of the Site and ASARCO Tacoma Smelter Smokestack

The Site is approximately 266-acres and is located on the southeast side of Maury Island above Puget Sound. A portion of the Site was formally operated as a sand and gravel mine by CalPortland (previously known as Glacier NW) and the 1-mile shoreline is the longest undeveloped stretch of Puget Sound shoreline in King County. The County acquired the Site in 2010 and it is currently open to the public for non-motorized recreation, including walking, hiking, mountain biking, and equestrian use. Environmental investigations have shown that contaminants exist throughout the Site as a result of fallout from the former ASARCO Tacoma Smelter smokestack, and from former shooting sports activities in the area. These include arsenic, lead, and polycyclic aromatic hydrocarbons (PAHs) in the soil that exceed levels allowed under the state's cleanup law, the Model Toxics Control Act (MTCA).



## Contamination at the Site

In 2014, King County investigated contamination and the environmental conditions at the Site, under Ecology oversight. The investigation looked at soil, groundwater, wetland soil, and nearby beaches. Results from the investigation showed that levels of lead, arsenic, and PAHs exceeded allowed state cleanup levels in parts of the Site.

Specifically the investigation found:

- Arsenic contamination exceeds cleanup levels throughout the Site;
- Lead and PAHs contamination exceeds cleanup levels in and around the former skeet shooting range;
- Arsenic and lead contamination exceeds cleanup levels in wetland soils around the former skeet shooting range;
- Overall, metal concentrations decline with depth;
- Beach sands are not contaminated;
- Groundwater and spring water are not contaminated, and groundwater is not a potential exposure pathway.



*Invasive species removal*



*View looking southwest*

## Cleanup alternatives proposed

To address the contamination, a number of appropriate technologies were combined into five different cleanup options for Site. These five alternatives were then evaluated to determine if they met the minimum requirements for cleanup actions, according to MTCA. All five met the requirements.

The alternatives then went through a cost/benefit analysis based on five criteria:

- Protectiveness;
- Permanence;
- Long-term effectiveness;
- Management of short-term risks;
- Implementability;
- Consideration of public concerns; and
- Cost.

After evaluating the options, a preferred alternative was identified.



*Typical existing trail*

### A preferred cleanup alternative emerges

The analysis identified a preferred alternative that consists of:

- Revegetation of several areas within the Site.
- Capping maintenance roads and majority of trails with a minimum of 3 to 4 inches of compacted gravel and a 3-inch-thick layer of mineral soil (or equivalent).
- Decommissioning of some trails and redundant trail spurs.
- Placement of hygiene stations at all main trail heads.
- Clearing and grubbing in some areas large enough to construct a 20 to 25-stall gravel parking lot.

This preferred alternative was taken forward into a draft cleanup action plan, which is now available for public comment.

### A plan to address contamination

The legal agreement between Ecology and King County requires them to design the cleanup work described in the plan, which includes all the elements from the preferred alternative. Based on that, King County will:

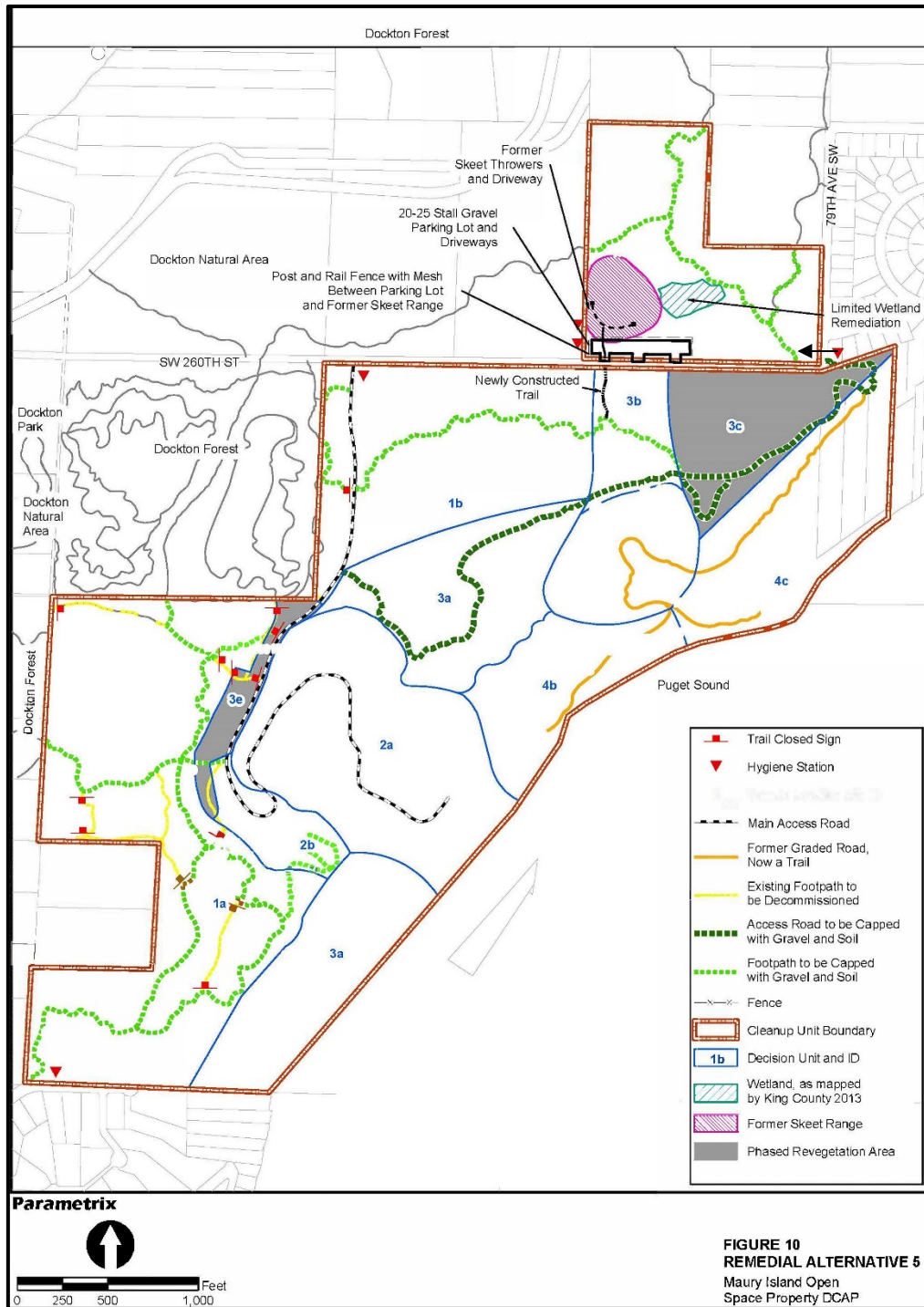
- Develop an engineering design report that incorporates information from the sampling and the results of engineering evaluations;
- Prepare construction plans and specifications;
- Begin the permitting process for construction.

Design of the cleanup work is expected to be done in 2018, and construction beginning in 2019. The cost, including operation and maintenance, is estimated to be about \$5.5 million.



*View looking northeast*

## Maury Island Open Space Site Selected Alternative



### En Español

El Departamento de Ecología le invita a comentar acerca de un reporte ambiental para el sitio de limpieza *Maury Island Open Space* en Vashon, WA. Para preguntas o traducciones de este documento en español favor de llamar a Gretchen Newman al 360-407-6097 o envíe un correo electrónico a [preguntas@ecy.wa.gov](mailto:preguntas@ecy.wa.gov). Favor de referirse al sitio de limpieza *Maury Island Open Space*.



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

Toxics Cleanup Program  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008-5452

## Maury Island Open Space Site plan ready for review



*View looking northeast*

### Public Comment Period

April 9 – May 23, 2018

[Bit.ly/Ecology-MauryIsland](https://bit.ly/Ecology-MauryIsland)

### Public meeting to comment

April 11, 2018

7 - 9pm

Vashon High School Theater

9600 SW 240<sup>th</sup> Street

Vashon, WA 98070

### Special accommodations

To request ADA accommodation for disabilities, contact Hanna Waterstrat at [hwat461@ecy.wa.gov](mailto:hwat461@ecy.wa.gov) or 360-407-7668, or visit <https://ecology.wa.gov/accessibility>. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.