King County
Department of Natural Resources and Parks
Parks and Recreation Division
King Street Center
201 South Jackson Street, Suite 700
Seattle, WA 98104
http://www.kingcounty.gov/parks

State Environmental Policy Act Determination of Non-Significance

Date of Issue: April 9, 2018

Name of Proposal: Maury Island Open Space Cleanup Action (Facility Sitc ID #2901216)

Location of Proposal:
The contaminated site is the Maury Island Open Space Cleanup Unit (Facility Site ID #2901216), also often referred to as the Maury Island Natural Area. It is located at approximately 7911 SW 260th St on Maury Island in King County. It is located in Sections 28 and 29, Township 22 North, Range 3 East. The majority of the site is located to the south of SW 260th St. A portion of the site, referred to as Decision Unit 5, is located north of SW 260th St.

Description of Proposal:
All of Maury Island lies within the plume fallout area of the former ASARCO Tacoma Smelter. Over the years, metals released from the Tacoma Smelter's smokestack, particularly arsenic and lead, were carried by wind, settling over a 1,000-square-mile area. As a result of this, surface soils within much of the Tacoma Smelter Plume (TSP) fallout area contain arsenic and lead concentrations that are many times greater than natural background concentrations. The Maury Island Open Space property lies in an area most greatly impacted by the TSP on Maury Island.

King County Parks entered into Agreed Order No. 8439 with the Washington State Department of Ecology (Ecology) for the Maury Island Open Space in 2013. Under this Agreed Under, five remedial cleanup action alternatives were evaluated as defined in WAC 173-340-360. A Remedial Investigation (RI) and Net Environmental Benefit Analysis was completed in 2014 to determinate contamination levels. Development of a Feasibility Study (FS) to evaluate cleanup alternatives began shortly thereafter. During development of the FS, King County Parks proposed an Interim Cleanup Action in 2016 and completed it in 2017. The Draft FS was completed in April 2017 followed by the Draft Cleanup Action Plan (DCAP) in September 2017. Concurrent with this SEPA notice King County and Ecology are seeking public comment on the RI and FS, and the DCAP, pursuant to the MTCA Cleanup Regulation's provision for public notice and participation per WAC 173-340-600.

The cleanup action for the Maury Island Open Space will be implemented under a formal agreement (an agreed order or consent decree) that will be developed with Ecology. The implementation schedule, plus long-term management of the site, post-cleanup action, will be defined in the agreement. The agreement will be subject to public notice and participation per WAC 173-340-600. The proposed project is Alternative 5 from the FS and DCAP. Cleanup activities associated with Alternative 5 include:

- Removal of contaminated invasive vegetation and some limited soil removal in 16 acres following by dense replanting of the area with native vegetation to limit public access. Three of the sixteen acres were completed in 2016 under the Interim Action.

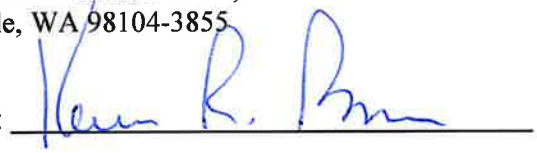
- Capping of contaminated trails and maintenance roads with compacted gravel and soil. Some limited trail decommissioning is proposed but has been kept to the minimum necessary.
- Capping of a contaminated area on the north of SW 260th St with gravel to create a parking lot. A short new capped trail would be constructed to connect the parking lot to the existing trail system.
- Institutional controls, such as fencing, would be installed in some areas to limit public access to contaminated areas. Signage would be installed to educate park users of risks.
- Hygiene stations (e.g., "Porta Potty" style hand washing stations, boot brushes) would be placed at all main trail heads and at the entrance to the parking lot. The station near the parking lot may also include a sanican and dog washing station.
- Limited remediation (e.g., likely removal of duff and select surface soils) will occur in a wetland with elevated lead levels. Wetland remediation would be the minimum required while still protecting valuable habitat.
- Removal of old chain link fencing (including in-ground footings) leftover from the gravel mining operation along the south side of SW 260th St.

All cleanup activities would follow an appropriate site specific health and safety plan developed specifically for the project. Future proposed improvements in contaminated areas (e.g., adding benches or picnic tables) would be done atop the same sort of compacted gravel cap applied in to the trails and/or parking lot.

Proponent/Lead Agency: King County Department of Natural Resources and Parks
Parks and Recreation Division

Responsible Official: Kevin Brown
Division Director, Parks and Recreation Division

Address: 201 South Jackson Street, Suite 700
Seattle, WA 98104-3855

DATE: 3/6/18 **SIGNATURE:** 

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment, and an Environmental Impact Statement (EIS) is not required. This determination was made after review of a completed environmental checklist and other information on file with the lead agency as set forth in Washington Administrative Code (WAC) 197-11-330 and Revised Code of Washington (RCW) 43.21C.030. This information is available to the public on request (for a nominal photocopying fee). It is also available on the King County website at:
http://www.kingcounty.gov/parks/publicnotices

This Determination of Non-Significance (DNS) is issued under WAC 197-11-340(2). The lead agency will not act on this proposal until after **May 24, 2018**. Comments must be submitted or postmarked by **4:30 PM on May 24, 2018**. To provide comments or request additional information please contact:

Lindsey Miller, Capital Project Manager
King County Parks and Recreation Division
201 South Jackson Street, Room 700
Seattle, WA 98104
206-477-7372 (SEPA)
KCParks.SEPA@kingcounty.gov

For email comments, use the email address above and put "Maury Island Cleanup" in the Subject line.

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SEPA Environmental Checklist

A. BACKGROUND

1. Name of proposed project, if applicable:

Maury Island Open Space Cleanup Action (Facility Site ID #2901216)

2. Name of applicant:

King County Department of Natural Resources and Parks

3. Address and phone number of applicant and contact person:

Lindsey Miller, Capital Project Manager
King County Parks and Recreation Division
201 South Jackson Street, Room 700
Seattle, WA 98104
206-477-7372 (SEPA)
KCParks.SEPA@kingcounty.gov

4. Date checklist prepared:

February 23, 2018

5. Agency requesting checklist:

King County Department of Natural Resources and Parks and
Washington State Department of Ecology.

6. Proposed timing or schedule (including phasing, if applicable):

The contaminated site is the Maury Island Open Space Cleanup Unit (Facility Site ID #2901216), also often referred to as the Maury Island Natural Area. The proposed cleanup action would occur in phases. The majority of the cleanup action would begin in 2019 and would likely extend into 2020.

The thirteen acres of still remaining revegetation would be done in three to four acre pieces, every two to three years, until complete (i.e., three acres in 2020, three acres in 2023, etc.). An Interim Cleanup Action occurred in 2016 to address soil contamination and revegetate one portion of the Cleanup Unit consisting of approximately three acres, and was analyzed under a separate SEPA determination.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

The cleanup action for the Maury Island Open Space Cleanup Unit will be implemented under a formal agreement (an agreed order or consent decree) that will be developed with the Washington Department of Ecology. The implementation schedule, plus long-term management of the site, post-cleanup action, will be defined in the order or decree. The order or decree will then be subject to public notice and comment under the state's Model Toxics Control Act Cleanup Regulation, WAC 173-340-600.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

CDM. 2010b. Phase I Environmental Site Assessment, Maury Island Glacier Pit, Maury Island, Washington. Prepared for King County. December 23.

CDM. 2011. Phase 2 Environmental Site Assessment, Former Skeet Range, Proposed King County Park Property, Maury Island, Washington. June 27.

Ecology. 2013. Agreed Order No. 8439 for Remedial Investigation/Feasibility Study and Draft Cleanup Action Plan, Maury Island Open Space Site, Maury Island, King County, WA. January 2013.

King County. 2013. Maury Island Site Wetland Delineation Study. Prepared by Tina Miller August 2, 2013.

CDM Smith. 2014a. Final, Remedial Investigation, Maury Island Open Space Property, Maury Island, Washington. Project No. 19897-99064. June 2.

King County. 2016. 2015 Maury Island Open Space Area 5 Wetland Soil Sampling and Sediment Bioassay Results. *King County Department of Natural Resources and Parks, Parks and Recreation Division, Seattle, Washington.* February.

Parametrix. 2016. Interim Action Work Plan (Agreed Order 8439) Technical Memorandum. Prepared by Parametrix April 19, 2016, Job No. 233-1521-175.

King County. 2016. SEPA Environmental Checklist and Determination of Non-Significance for Maury Island Open Space Agreed Order #8439 Interim Cleanup Action. King County Parks and Recreation Division. July 2016.

Ecology. 2016. Public Comment Notice for proposed interim cleanup plans for Maury Island Site. Washington Department of Ecology. Publication # 16-09-330. July 2016.

Parametrix. 2017. Draft Final Feasibility Study, Maury Island Open Space Property, Maury Island, Washington. Project No. 233-1521-175. April 2017.

Cultural Resources Consultants. 2017. Cultural Resources Assessment for the Maury Island Open Space Contaminated Soils Cleanup, King County, Washington. September 22, 2017.

Ecology. 2017. Public Review Draft Cleanup Action Plan, Maury Island Open Space Property. Prepared by Washington State Department of Ecology. Publication No. 18-09-200. September 2017.

These documents, except for the Environmental Site Assessments (ESA) reports from 2010 and 2011 and the Cultural Resources Assessment, are available for review on King County's website. Documents not the website are available by request.

http://www.kingcounty.gov/parks/mauryislandnaturalarea

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No other applications are pending at this time.

10. List any government approvals or permits that will be needed for your proposal, if known.

The cleanup will be implemented under a formal agreement (an agreed order or consent decree) with the Washington Department of Ecology. Persons conducting a remedial action at a cleanup site under an order or decree are exempt from needing to obtain most state and all local permits. .

A Construction Stormwater General permit will be required from the Washington Department of Ecology because the project site is larger than one acre.

The Department of Ecology will otherwise ensure compliance with the substantive requirements of other state and local laws, as applicable, pursuant to RCW 70.105D.090. .

The substantive requirements applicable to this project will be defined in greater detail in the order or decree that will govern implementation of this cleanup action. The order or decree will be subject to public notice and comment under the state's Model Toxics Control Act Cleanup Regulation, WAC 173-340-600.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

All of Maury Island lies within the plume fallout area of the former ASARCO Tacoma Smelter. Over the years of operation, metals released from the Tacoma Smelter's smokestack, particularly arsenic and lead, were carried by wind, ultimately settling over a 1,000-square-mile area. As a result of this, surface soils within much of the Tacoma Smelter Plume (TSP) fallout area contain arsenic and lead concentrations that are many times greater than natural background concentrations. The

soils on Maury Island are among those most significantly impacted from the TSP, and the Maury Island Open Space property lies within an area most greatly impacted by the TSP on Maury Island.

King County Parks entered into Agreed Order No. 8439 with the Washington State Department of Ecology for the Maury Island Open Space (referred to as the Cleanup Unit through this document) in 2013. Under this Agreed Under, five remedial cleanup action alternatives were evaluated for the Cleanup Unit according to the process described in WAC 173-340-360. A Remedial Investigation and Net Environmental Benefit Analysis was completed in 2014 to investigate and determinate contamination levels. Development of a Feasibility Study to evaluate cleanup alternatives began shortly thereafter. During development of the Feasibility Study, King County Parks proposed an Interim Cleanup Action in 2016 and completed it in 2017. The Draft Feasibility Study was completed in April 2017 followed by the Draft Cleanup Action Plan in September 2017. Concurrent with this SEPA notice, King County and the Washington State Department of Ecology are seeking public comment on the Remedial Investigation and Feasibility Study, and the Draft Cleanup Action Plan, pursuant to the MTCA Cleanup Regulation's provision for public notice and participation per WAC 173-340-600.

The Cleanup Unit is divided into five Decision Units, which were further divided into sub units. All of the Decision Units, except for Decision Unit 5, are located on the south side of SW 260th St.

The proposed project is Alternative 5 from the Feasibility Study and Draft Cleanup Action Plan. Cleanup activities associated with Alternative 5 include:

- Removal of contaminated invasive vegetation and some limited soil removal in 16 acres (Decision Units 3c and 3e), following by dense replanting of the area with native vegetation to limit public access. Three of the sixteen acres were completed in Decision Unit 3c in 2016 under the Interim Action.

- Capping of contaminated trails and maintenance roads throughout the entire Cleanup Unit with compacted gravel and soil. Some limited trail decommissioning is proposed (described in more detail later in Section 12), but decommissioning has been kept to the minimum necessary to keep the capping costs and ongoing operation within the project budget.

- Capping of a contaminated area on the north side of SW 260th St (Decision Unit 5) with compacted gravel to create a parking lot. A short new trail, also capped with compacted gravel and soil, would be constructed to connect the new parking lot to the existing trail system.

- Institutional controls such as fencing would be installed in some areas (e.g., around the new parking lot) to limit public access to contaminated areas. Signage would also be installed to educate park users of risks and discourage use of contaminated areas.

- Hygiene stations would be placed at all main trail heads and at the entrance to the parking lot. Each station will contain a boot brush with metal walk off grate, a rental "Porta Potty" style hand washing station, and waste receptacle. The station near the parking lot may also include a sanican and dog washing station.

- Limited remediation (e.g., likely removal of duff and surface soil in selected locations) will occur in a wetland with elevated lead levels in Decision Unit 5. Wetland remediation would be the minimum necessary to meet cleanup requirements while protecting the existing habitat.

- Removal of old chain link fencing (including in-ground footings) leftover from the gravel mining operation along the south side of SW 260th St/

All cleanup activities would follow an appropriate site specific health and safety plan developed specifically for the project. Future proposed improvements in contaminated areas (e.g., adding benches or picnic tables, kiosk installation) would be done atop the same sort of compacted gravel cap applied in to the trails and/or parking lot.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The site (i.e., Cleanup Unit) is the Maury Island open space property, also referred to as the Maury Island Natural Area, located at approximately 7911 SW 260th St on Maury Island in King County. It is located in Sections 28 and 29, Township 22 North, Range 3 East.

The majority of the site is located to the south of SW 260th St. A portion of the site, referred to as Decision Unit 5, is located north of SW 260th St.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

The site is generally hilly with the western half or upland portion of the site having slopes ranging from 0-10% and the eastern half of the site with mostly steep slopes ranging from 45-70%.

b. What is the steepest slope on the site (approximate percent slope)?

The steepest slope is approximately 70%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The two primary soil types on the site are Everett-Alderwood gravelly sandy loams and Everett very gravelly sandy loam. The steeper slopes may encounter Alderwood and Kitsap soils.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Historically, this site was a former gravel pit and barge loading dock. The steep slopes on the eastern portion of the site have been mapped as having erosion hazards.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

A combination of gravels, soil, and compost will be imported. Approximately 8,000 tons of gravel in varying sizes will be imported. Approximately 1,200 tons of soil will be imported. Approximately 10,400 cubic yards of compost will be imported. Materials will be imported from a King County approved site.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Construction activities will generally occur above the steep slopes on the site. Best management practices, such as installation of straw wattles or covering exposed soils, will be used to mitigate the risk of erosion during construction activities.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Gravel is considered an impervious surface in the King County Surface Water Design Manual, and a gravel cap will be added to approximately 1.7 acres of existing dirt trails and access roads. The gravel for the parking lot cap will cover approximately 1 acre. The Cleanup Unit is 266 acres, so after project construction gravel will cover approximately 1% of the site.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Erosion will be reduced through the use best management practices such as of straw wattles, revegetation, compost, and other methods as needed.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Emissions generated during construction would be primarily exhaust from construction equipment and dust. The Road Construction Emission Model 8.1.0 was used to approximate the amount of greenhouse gases that would be generated during construction. This model was used because road construction is the most similar to this type of project; however, using the default values, the calculator estimated that approximately 220 MTC02e would be generated over a 6 month construction period for this size of a project. Given that the calculator's default values assume a level of clearing, grading, and excavation consistent with a road project, which is well beyond the

scope of this proposal, it is reasonable to cut that value in half, to 110 MTC02e. This amount is equivalent to approximately 24 passenger vehicles operated for one year.

Emissions generated during operation would be negative, because the project is planting approximately 8,800 trees as part of the 13 acres of revegetation. Currently these 13 acres are covered in invasive shrubs. This number of trees would sequester an average of 20 MTCO2e per year for the first ten years, which would cancel out the emissions generated during construction after five years. Trees continue to sequester more and more greenhouse gases as they mature, so any additional emissions emitted during operation and maintenance of the trails and parking lot is more than offset by the trees.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

There are no off-site sources of emissions or odor that affect this project.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Dust generated during construction will be mitigated by watering as needed. Approximately 8,800 trees will be planted, which would sequester, on average, approximately 20 MTCO2e per year for the first ten years. Sequestration would continue to increase as the trees mature.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The Puget Sound is located on the Eastern boundary of the Cleanup Unit. A wetland complex is located on the north side of SW 260th St, in Decision Unit 5, near the location of the former skeet range.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

The work would be located more than 200 feet away from Puget Sound. Some duff and surface soil would be removed from the wetland in Decision Unit 5 as remediation for elevated lead levels. No other in-water work is proposed.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

No fill will be placed in surface water or wetlands. Some duff and surface soil would be removed from the wetland in Decision Unit 5 as remediation for elevated lead levels. The exact quantities to

be removed would be determined by doing additional soil testing in the wetland. Only the minimum amount of material needed to meet cleanup requirements will be removed.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No. Groundwater will not be withdrawn and water will not be discharged to groundwater.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

The project will not discharge waste material into the ground.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Rainfall is the primary source of runoff in the Cleanup Unit. Temporary erosion and sediment control construction best management practices (e.g., straw wattles or silt fences) would be used on the downhill boundary of the work areas to slow runoff. During and after construction, runoff would infiltrate into the mature forest surrounding the project area. During a major storm event, any runoff that is unable to infiltrate, would eventually flow into Puget Sound.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Waste materials would not enter ground or surface waters as part of the project.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The project does not impact drainage patterns in the vicinity of the site. Runoff would continue to infiltrate in the same areas as under current conditions.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The project does not impact drainage patterns so there are no proposed measures to reduce or control impacts.

4. Plants

a. Check the types of vegetation found on the site:

X deciduous tree: alder, maple, aspen
X evergreen tree: fir, cedar, pine
X shrubs
X grass
____ pasture
____ crop or grain
____ Orchards, vineyards or other permanent crops.
X wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
____ water plants: water lily, eelgrass, milfoil, other
____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

The cleanup action includes clearing and grubbing of approximately sixteen acres of invasive vegetation with offsite disposal. Native vegetation would be planted in its place. Approximately three of the sixteen acres was already completed as part of the Interim Action.

Integrated Pest Management (IPM) would be used to maintain the planting sites long-term. Herbicide treatment will be avoided by using temporary weed suppression fabrics, or other cover methods, until native plants are established.

An additional one acre of invasive vegetation would be removed with offsite disposal and a gravel parking lot constructed in its place. The gravel would cap a contaminated area providing a safe and contained location for users to park.

c. List threatened and endangered species known to be on or near the site.

The Washington Department of Natural Resources (WADNR) list of Natural Heritage Features by Section Township and Range (current as of February 6, 2017) indicates the presence of a feature in T22N R03E S28 which includes a portion of the project area. WADNR was contacted on January

19, 2018 and, based on the location and nature of the project work, WADNR indicated they had no concern regarding the project's proximity to the feature. No other threatened or endangered plant species are known to be on or near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Approximately sixteen acres of native vegetation would be planted as part of this project. In addition, impacts to the existing mature forest throughout the site are being avoided by using the gravel cap to limit exposure to contamination, and by educating users on best practices for using the site (i.e., stay on capped trails, wash hands upon leaving the site, etc.) rather than excavating and removing all the contaminated soil.

e. List all noxious weeds and invasive species known to be on or near the site.

Large areas of dense of Himalayan blackberry and Scotch broom are present. Sixteen acres of this vegetation will be removed and the areas replanted with native vegetation.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

birds: hawk, **heron**, eagle, songbirds, other
mammals: **deer**, bear, elk, beaver, other
fish: bass, **salmon, trout, herring, shellfish**, other

b. List any threatened and endangered species known to be on or near the site.

According to the Washington Department of Fish and Wildlife (WDFW) Priority Habitats and Species data (checked on January 19, 2018), threatened or endangered species known to be within the vicinity of the Cleanup Unit include: geoduck, great blue heron, hardshell clam, Pacific herring, Pacific sand lance, purple martin, surf smelt. The purple martin colony is located approximately 0.25 miles from the project area on the opposite shore of the island. The great blue heron colony is located over a mile north of the site.

Additionally, according to the 2006 Maury Island Gravel Dock Annual Eelgrass Survey Report, the following state candidate fish species, as defined by WDFW, were observed near the site: China Rockfish, Quillback Rockfish, Copper Rockfish, Black Rockfish, and Canary Rockfish.

This project is not expected to affect these species or their habitat.

c. Is the site part of a migration route? If so, explain.

The Cleanup Unit is located within the Pacific Flyway, which is a major north-south route of travel for migratory birds in America, extending from Alaska to Patagonia. Migrating and nesting birds within the project area will be protected under the Migratory Bird Treaty Act. No other migration routes have been identified.

d. Proposed measures to preserve or enhance wildlife, if any:

Invasive vegetation is being removed throughout the Cleanup Unit and is being replaced with native vegetation that will enhance habitat complexity and quality.

e. List any invasive animal species known to be on or near the site.

There are no known invasive animal species known to be on or near the Cleanup Unit.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The completed project will not have any energy needs.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Not applicable.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Exposure to soil contamination could occur through inhalation, ingestion, or direct contact. The purpose of this project is to minimize public exposure to lead and arsenic in the soil during park use. No other environmental health hazards are associated with this project.

1) Describe any known or possible contamination at the site from present or past uses.

The Cleanup Unit lies within the former Tacoma Smelter plume and hazardous levels of lead and arsenic contamination have been found in surface soil across the site.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

High levels of arsenic and lead are present in surface soils throughout the Cleanup Unit. The

project is being designed to limit exposure to these contaminants during park use.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

No toxic or hazardous chemicals are expected to be stored, used, or produced during project construction.

4) Describe special emergency services that might be required.

No special emergency services are expected be required for this project.

5) Proposed measures to reduce or control environmental health hazards, if any:

During construction, all workers in the Cleanup Unit will be required to have appropriate health and safety training, including Hazardous Waste Operations (HAZWOPER) training, monitoring, and personnel protective equipment as required by state and federal regulations. Excavated contaminated materials will be disposed of in a permitted solid waste landfill.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

There are no noise sources within the area that will affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

In the short-term, noise will be generated by construction equipment. These noises will be temporary.

In the long-term, park use may increase after the project is complete because the potential exposure to contaminated soil will be minimized throughout the Cleanup Unit. This may attract new users resulting in more noise. Noise may be generated by users of the parking lot; however, the parking lot is located in an area where users already frequently park along the road shoulder. Therefore, noise levels are not expected to increase noticeably.

3) Proposed measures to reduce or control noise impacts, if any:

To control noise impacts to adjacent home owners/residents, the construction crew would work during hours approved by King County Parks. The hours are typically 7:00 a.m. to 5:00 p.m.; however, the hours are determined on a project-by-project basis.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

Current use of the Cleanup Unit is a County Park. Adjacent properties are rural residential. The proposal will not affect adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No working farmlands or forests lands will be converted to other uses as a result of this proposal. A portion of the Cleanup Unit was used for some fruit and/or dairy farming in the early 1900s but this activity ceased in the 1920s. Dockton Forest, immediately adjacent to the Cleanup Unit, is managed by King County as a working forest, but will not be affected by this project.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

There are existing structures on site that were previously used in gravel mining operations including some old pilings, concrete footings, and towers.

There are some old concrete foundations from the structures used in the 1920s.

d. Will any structures be demolished? If so, what?

No structures will be demolished as part of the project.

e. What is the current zoning classification of the site?

The Cleanup Unit parcel is currently zoned as M-SO and RA-10-SO or mining and rural residential with a potential zoning of RA-2.5-SO.

f. What is the current comprehensive plan designation of the site?

Per the current King County Comprehensive Plan, the Cleanup Unit is zoned as mining and rural.

g. If applicable, what is the current shoreline master program designation of the site?

Per King County's Shoreline Management Program, the portion of the Cleanup Unit within 200 feet of the ordinary high water mark is designated as "Natural Shoreline".

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

Per the King County iMap Sensitive Areas maps, the steep slopes outside of the construction area on the eastern portion of the Cleanup Unit have been designated as having erosion hazards. The shoreline has been labeled as Wetland.

i. Approximately how many people would reside or work in the completed project?

No one will reside within the completed project area. King County Parks' staff already maintains the property and will continue to do so after the project is completed. The number of staff members assigned to the site vary seasonally and by day of the week and varies from one to five or more.

j. Approximately how many people would the completed project displace?

The completed project will not displace anyone.

k. Proposed measures to avoid or reduce displacement impacts, if any:

The project does not have any displacement impacts.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Per the 2013 Maury Island Natural Area Draft Site Management Plan, acquisition funding sources and Park rules (codified in King County Code Title 7, Parks and Recreation), only passive recreational use will be allowed on the site for natural resource conservation purposes. This project is compatible with that use.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

There are no nearby agricultural or private forest lands of commercial significance. Dockton Forest, immediately west of the project site, is managed by King County Parks as a working forest. This project is compatible with that use.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

There are no housing units provided by the project.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

There are no housing units eliminated by the project.

c. Proposed measures to reduce or control housing impacts, if any:

Not applicable.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

There are no structures proposed as part of this project.

b. What views in the immediate vicinity would be altered or obstructed?

Views in the Cleanup Unit would be altered due to the removal of invasive shrubs and replanting of native shrubs and trees. As the trees mature they may obstruct some existing views of the surrounding landscape.

c. Proposed measures to reduce or control aesthetic impacts, if any:

Lower growing native shrubs may be planted in some areas, instead of trees, to maintain existing landscape views. During the Interim Action, at the request of the public, trees were replaced with shrubs in a portion of the planting area, to ensure that the view of the Olympic Mountains to the west would not be lost after the trees mature.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

There will not be any sources of light or glare created by the project.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

There are no off-site sources of light or glare that will affect the project.

d. Proposed measures to reduce or control light and glare impacts, if any:

Not applicable.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

The project site is a natural area park and open space and is currently open to the public for passive-recreation, which may include walking, jogging, hiking, mountain biking, and equestrian use. Motorized use is prohibited.

b. Would the proposed project displace any existing recreational uses? If so, describe.

During construction, for public safety, trail and maintenance road segments may be temporarily closed so that equipment can safely access the area and spread the gravel and dirt.

After construction, instead of capping all existing foot trails, some trails would be decommissioned by the cessation of trail maintenance. Institutional controls in the form of signage would be placed at the entrance to each decommissioned trail section to indicate the trail is closed, discourage use due to risk of exposure to contaminants, and encourage use of the capped main trails. Over time, native vegetation would fill in the decommissioned foot trails, further limiting access.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Temporary closures will be kept to the minimum necessary to safely construct the project.

The trails chosen for permanent decommissioning are ones that are redundant to other trails in the vicinity or that do not connect directly to other trails on adjacent King County property. The number of proposed decommissioned trails has been kept to the absolute minimum necessary to keep trail capping costs and ongoing operations costs within the project budget.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

Two sites over 45-years old are located in the Cleanup Unit. One site consists of historic farm building foundations constructed prior to 1936. The other site contains an old conveyor belt structure used during operation of the site as a gravel mine. A Cultural Resources Assessment, including field investigations, was completed for the Cleanup Unit in September 2017. The two sites were documented using the State of Washington Department of Archaeology and Historic Preservation's (DAHP) Historic Property Inventory Form. Neither site is recommended as eligible for listing in historic register sites.

No other previously recorded sites are present in in the Cleanup Unit.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No evidence of Indian use or occupation was documented in the Cleanup Unit as part of the Cultural Resources Assessment. The only evidence of historic use is described in the question above.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

King County Historic Resources Program (HRP) staff screened the entire Cleanup Unit in March 2017 using the King County Cultural Resource Protection Program (CRPP) GIS database, the Washington Department of Archaeology and Historic Preservation (DAHP) WISAARD online database system, and existing information available about the property (e.g., photos, environmental reports). Prior to that, in 2014, 2016, and 2016, HRP reviewed several projects in or adjacent to the current project area.

Upon recommendation from the King County HRP, Cultural Resource Consultants completed a Cultural Resources Assessment to document the farm building foundations and conveyer belt in September 2017. This assessment included review of available project information and correspondence provided by King County Parks, local environmental and cultural information, and historical maps, as well as field investigations including shovel probes at one of the farm building foundations. The other two foundations were not accessible due to dense invasive vegetation. A State of Washington Archaeological Site Inventory Form was completed for the farm building foundations. A Historic Property Report form was completed for the conveyer belt structure.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

No historic or cultural resources are expected to be impacted by this project. It is recommend that proposed ground disturbing activities for the Cleanup Unit proceed as planned since the sites identified do not meet eligibility criteria for historic registers. No further work is recommended regarding the conveyor structure. Additional work at the farm building foundations could include having an archaeologist present during vegetation removal around the other two foundations in order to provide a more complete documentation of the foundations. However, this work would not be expected to result in new information that would support a recommendation for historic register eligibility.

In the event that any ground disturbing or other construction activities result in the inadvertent discovery of archaeological resources, a protocol for inadvertent discoveries would be in place. Work would be halted in the immediate area until further investigation and appropriate

consultation is made with county officials, the technical staff at DAHP, and tribal representatives.

In the unlikely event of the inadvertent discovery of human remains, work should be immediately halted in the area, the discovery covered and secured against further disturbance, and contact made with law enforcement personnel, consistent with the provisions set forth in RCW 27.44.055 and RCW 68.60.055.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

The site would be accessed via SW 260th Street. The access is currently existing, though a gravel parking lot will be added on the north side of SW 260th St, along with a short new trail connecting the parking lot to the existing trails.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The project site is currently served by King County Metro Route 119. The nearest stop is ½ mile away at SW 256th St and 75th Ave SW.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

Currently users park alongside SW 260th St to access the project area. The proposal would add a gravel parking lot on the north side of SW 260th St with approximately 20 to 30 standard vehicle stalls (including ADA stalls) and several equestrian stalls.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The proposal does not include improvements to existing public roads, streets, pedestrian, bicycle, or state transportation facilities. The proposal would cap existing maintenance roads and trails on King County Park property.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The project will not use water, rail, or air transportation.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

While the project does add a parking lot, the lot is not expected to noticeably increase vehicular trips in the area. The new lot is expected to primarily provide parking for existing users who currently park alongside nearby roadways to access the park.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

The project would use temporary traffic control measures, such as signage and/or flaggers, to avoid road closures during construction.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

The project would not create the need for increased public services.

b. Proposed measures to reduce or control direct impacts on public services, if any.

The project would not impact public services.

16. Utilities

a. Circle utilities currently available at the site:
Electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system.

No utilities are currently available at the site.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

The project does not propose the addition of any utilities.

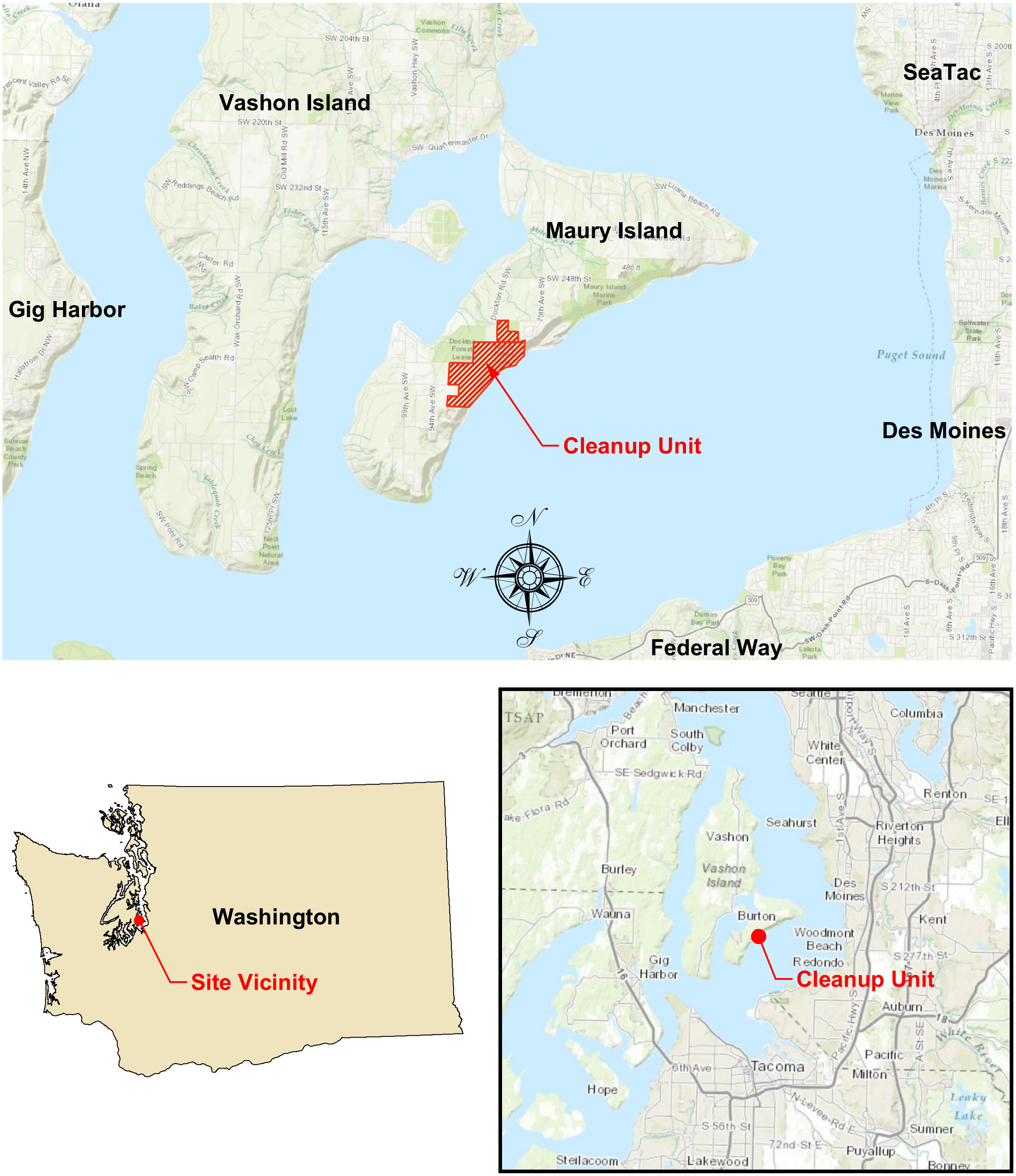
C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Lindsey Miller **Date:** 2/23/2018
Lindsey Miller, Capital Project Manager, King County Parks and Recreation Division

Signature: C Matthews **Date:** 3/5/2018
Cris Matthews, Site Manager, Washington Department of Ecology

List of Attachments
Attachment A – Site Vicinity Map
Attachment B – Cleanup Site Plan (Figure 10 Remedial Alternative 5 from DCAP)



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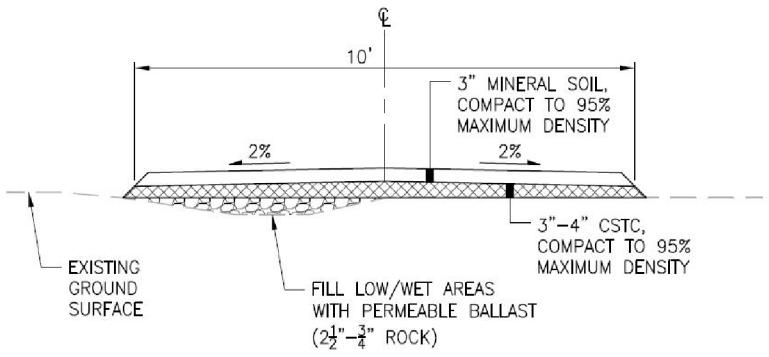
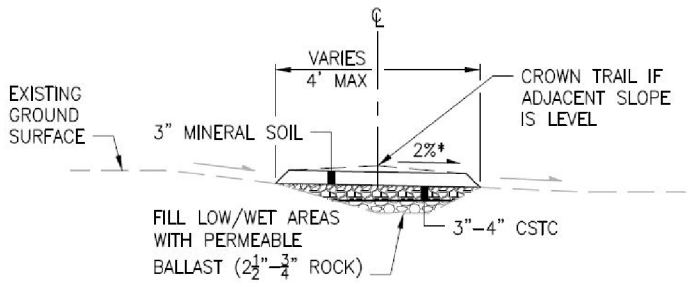
CDM Smith

Parametrix

FIGURE 1
VICINITY AND LOCATION MAP
Maury Island Open Space Property DCAP



ACCESS ROAD GRAVEL CAP DETAIL 1 TYP
NO SCALE



TRAIL GRAVEL CAP DETAIL 2 TYP
NO SCALE

NOTE:
COMPACT CAP MATERIALS BY WETTING AND WHEEL ROLLING WITH POWER EQUIPMENT

*SLOPE TRAIL IN DIRECTION OF ADJACENT SLOPE

Former Skeet Throwers and Driveway
20-25 Stall Gravel Parking Lot and Driveways
Dockton Natural Area
Post and Rail Fence with Mesh Between Parking Lot and Former Skeet Range
79TH AVE SW
Limited Wetland Remediation
SW 260TH ST
Newly Constructed Trail
Dockton Park
Dockton Forest
Dockton Natural Area
Dockton Forest
Puget Sound

#176 93 120
#175 180 190
#174 85 470
#177 170 470
#173 150 1600
#172 130 350
#171 120 96
#170 76 36
#163 120 210
#164 110 220
#162 210 470
#166 120 140
#167 170 180
#161 390 510
#168 36 200
#28 65 110
#25 16 19
#18 33 35
#32 6 11
#27 8.9 9.6
#19 6 7.7
#24 12 17
#33 8.9 5.8
#36 17 13
#34 8.9 11
#35 12 16
#20 10 12
#23 30 44
#37 8.9 11
#38 10 15
#40 14 15
#41 6 7.1
#39 6 3.4
#21 3.1 8.3
#22 67 130
#144 10 11
#143 29 17
#145 100 150
#43 8.9 13
#142 110 130
#140 140 330
#138 90 200
#139 36 130
#141 220 360
#149 43 49
#155 30 27
#156 300 530
#154 65 240
#150 220 180
#157 100 130
#152 110 72
#151 260 780

1a 1b 2a 2b 3a 3b 3c 3e 4b 4c 5

Sample Key:
#151 Sample ID
260 Arsenic concentration
780 Lead concentration

Soil Clean Up Levels:
Arsenic 20mg/kg
Lead 250 mg/kg

Notes:
1) Concentration in milligrams per kilogram adjusted for dry weight basis
2) Concentrations may differ slightly from the summary tables due to rounding.

- Trail Closed Sign
- Hygiene Station
- Sample Location with ID (#87)
- Main Access Road
- Former Graded Road, Now a Trail
- Existing Footpath to be Decommissioned
- Access Road to be Capped with Gravel and Soil
- Footpath to be Capped with Gravel and Soil
- Fence
- Cleanup Unit Boundary
- 1b Decision Unit and ID
- Wetland, as mapped by King County 2013
- Former Skeet Range
- Phased Revegetation Area

CDM Smith

Parametrix

0 250 500 1,000 Feet

Proposed Cleanup Action
(Alternative 5 from DCAP)
Maury Island Open Space Property DCAP