STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Region Office
PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

STATE ENVIRONMENTAL POLICY ACT
DETERMINATION OF NONSIGNIFICANCE

Date of Issuance: June 20, 2023

Lead Agency: Department of Ecology, Toxics Cleanup Program, Northwest Region

Agency Contact: Lucy McInerney, 425-410-1400, lucy.mcinerney@ecy.wa.gov

Description of proposal:
A Model Toxics Control Act cleanup action will be conducted at the Gas Works Park site in accordance with a Consent Decree (which includes a draft Cleanup Action Plan) between the Washington Department of Ecology, Puget Sound Energy and the City of Seattle. The cleanup action includes construction activities in an Upland Cleanup Unit and in a Sediment Cleanup Unit. Activities in the Upland Cleanup Unit will include excavation of shoreline contaminated soil (and backfilling with clean material) and in-situ shoreline groundwater treatment. Activities in the Sediment Cleanup Unit will include removal of shoreline contaminated sediment and placement of different types of caps over contaminated sediment.

Location of proposal: 2101 N Northlake Way, Seattle, Washington

Applicant/Proponent:
Sara Leverette
Puget Sound Energy
Environmental Program Services
P.O. Box 97034, PSE-11
Bellevue, WA 98009-9734
(425) 248-9954
sara.leverette@pse.com

Determination: Ecology has determined that this proposal will not have a probable significant adverse impact on the environment. An environmental impact statement is not required under RCW 43.21C.030(2)(c). We have reviewed the attached Environmental Checklist and the draft Cleanup Action Plan (available at: http://www.bit.ly/Ecology-GasWorks).

This determination is based on the following findings and conclusions: The purpose of the cleanup action is to protect human health and the environment by addressing contamination in soil, groundwater, and sediment. As such it is intended to significantly improve, rather than adversely impact, environmental conditions. Potential adverse impacts to the environment are associated with construction. These impacts include equipment noise and lights, construction traffic, inadvertent petroleum leaks and spills, diesel equipment emissions, etc. Standard methods will be used to reduce/mitigate these impacts.

The project will adhere to applicable local, state, and federal permit requirements, including City of Seattle shoreline regulations, Washington State fish and wildlife protection regulations and Corps of Engineers authorization for in-water construction work. The Corps will consult with tribes, natural resource agencies and cultural resource protection agencies.

Comment: The public comment period for this Determination of Nonsignificance (DNS) corresponds with the public comment period on the Consent Decree and draft Cleanup Action Plan for the Gas Works Park site, which ends July 20, 2023.

To submit comments on this DNS or the Consent Decree and draft Cleanup Action Plan for the Gas Works Park site go to: http://www.bit.ly/Ecology-GasWorks-Comments2023

Responsible Official:
Robert Warren
Northwest Region Manager
Department of Ecology
Toxics Cleanup Program
PO Box 330316
Shoreline WA 98133-9716
(206) 594-0093

Signature  Date May 23, 2023

This SEPA decision may be appealed in accordance with WAC 197-11-680.

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [HELP]

1. Name of proposed project, if applicable:
Gas Works Park Site (GWPS) Cleanup Action. See Figure 1 (Vicinity Map), Figure 2 (Property Ownership and Shoreline/In-Water Structures), and Figure 3 (Proposed Cleanup Action).

2. Name of applicant:

Puget Sound Energy (PSE)

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

Sara Leverette; PSE; Environmental Program Services; P.O. Box 97034, PSE-11; Bellevue, WA 98009-9734. (425) 248-9954

4. Date checklist prepared:

May 16, 2023

5. Agency requesting checklist:

Washington State Department of Ecology (Ecology)

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

Project timing is dependent on completion of engineering design and related permitting. Design and permitting will begin in 2023 and is projected to last approximately 4 years. The construction schedule will be determined following completion of design and will require phasing of the upland and in-water activities (see Figure 3) due to seasonal in-water work windows for ESA-listed species within the Lake Washington Ship Canal. The duration of construction is expected to be approximately 2 to 3 years. In-water work will be limited to permit-specified work windows.

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

Other than post-construction monitoring, there are no plans for future additions, expansion, or further activity related to or connected with this project. Post-construction monitoring will be performed for a duration and frequency identified in the long-term monitoring plan to be developed for the proposed project.

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

- GeoEngineers 2022. Play Area Interim Action Construction Completion Report, Gas Works Park Site, Seattle, Washington. January 13, 2022.
- GeoEngineers 2023. “Remedial Investigation and Feasibility Report, Gas Works Park Site, Seattle, Washington”. Prepared for Puget Sound Energy, Seattle Parks and Recreation, and Seattle Public Utilities. January 2023.
- Ecology 2022. Fourth Amendment to Agreed Order No. DE 2008 between the Washington State Department of Ecology, Puget Sound Energy and the City of Seattle requiring development of a preliminary draft Cleanup Action Plan for the GWPS. December 14, 2022.
- Ecology 2023. Public Review Draft Consent Decree between the Washington State Department of Ecology, Puget Sound Energy, and the City of Seattle requiring design and construction of the GWPS cleanup action. A draft Cleanup Action Plan describing the GWPS cleanup action is an exhibit to the Consent Decree.

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. We are not aware of any pending applications for government approvals of other proposals directly affecting the project.

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

The project is required by Ecology under a Model Toxics Control Act (MTCA) Consent Decree between Ecology, PSE, and the City of Seattle (City). Under MTCA, the project is exempt from certain procedural requirements of specific state and local environmental permits but must comply with the substantive requirements of each state and local permit. Federal permits and approvals are required.

Federal Approvals/Permits:

- U.S. Army Corps of Engineers approval under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. It is anticipated that the proposed action will qualify for a Nationwide Permit No. 38 for Cleanup of Hazardous and Toxic Waste (to be obtained as part of the Joint Aquatic Resource Permit Application (JARPA) process).

State Approvals/Permits:

- Ecology National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit (CSWGP)
- Washington State Department of Natural Resources (WDNR) Aquatic Land Use Authorization
- Washington Department of Fish and Wildlife Hydraulic Project Approval (HPA) (exempt from procedural requirements, must comply with substantive requirements)
- An individual Ecology CWA Section 401 Water Quality Certificate will be required if the project does not qualify for a Nationwide Permit No. 38 (to be obtained as part of JARPA process associated with USACE Section 404 and Section 10 review)
- Puget Sound Clean Air Agency Air Operating Permit (exempt from procedural requirements, must comply with substantive requirements)

City of Seattle Approvals/Permits (exempt from procedural requirements, must comply with substantive requirements):

- Grading Permit (Seattle Municipal Code [SMC] Title 22.170) and related construction planning and design documents
- Seattle Department of Parks and Recreation Revocable Use Permit (SMC Title 18.30)
- Department of Transportation Street Use Permit (SMC Title 15)
- Shoreline Substantial Development Permit Exemption (SMC 23.60A)

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. (Lead agencies may modify this form to include additional specific information on project description.)

The project addresses shoreline contaminated soil and groundwater, and contaminated sediment in an approximately 56-acre area. The contamination is from a former manufactured gas plant (MGP) and tar refinery, and other historical industrial activities. The primary site-related contaminants of concern are polycyclic aromatic hydrocarbons and arsenic.

The project includes shallow soil excavation, grading and capping, and performing groundwater treatment in shoreline areas, and nearshore dredging, capping, and natural recovery of sediment. See Figure 3.

Current uses will not be changed by the project.

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 project is generally located at 2101 N Northlake Way, Seattle, Washington on the shore of Lake Union within an Area of Investigation. Refer to Figure 1.

The following parcels are located within the project. The remaining portion of the cleanup action project area is owned by the State of Washington and is managed by WDNR. Refer to Figure 2.

Metro Lake Union [South Yard] (only the in-water portion of the parcel shown on Figure 2 is included in project area)

Owner: King County Metro

Street Address: 1475 N Northlake Way, Seattle, Washington, 98103

Parcel: 4088804670

Section, Township, Range: Sections 19, Township 25N, Range 4E

Legal Description: LAKE UNION SHORE LANDS ADD SELY 1/2 OF 10 & ALL 11 THRU 17.

Harbor Patrol (only in-water portion of the parcel shown on Figure 2 is included in project area)

Owner: City of Seattle

Street Address: 1717 N Northlake Way, Seattle, Washington, 98103

Parcel: 4088801930

Section, Township, Range: Sections 19, Township 25N, Range 4E

Legal Description: LAKE UNION SHORE LANDS ADD TGW LOTS 1 THRU 7 BLK 8 BURKES 1ST ADD TGW VAC ST ADJ & TGW POR VAC N NORTHLAKE PL ADJ AS VAC BY SEATTLE ORD NO 112955

Gas Works Park (only in-water portion of the parcel shown on Figure 2 and shoreline portion of the parcel shown on Figure 3 are included in project area)

Owner: City of Seattle

Street Address: 2101 N Northlake Way, Seattle, Washington, 98103

Parcel: 1249700005

Section, Township, Range: Section 19, Township 25N, Range 4E

Legal Description: BURKES 1ST ADD ALL BLKS 1 & 2 4 THRU 6 & 9 THRU 11 ALSO BLKS 42 THRU 44 LAKE UNION SHORELANDS ALSO BLK 3 LLEWELLYN'S SUPL BLK 3 BURKES 1ST ALSO BLK 43A LAKE UNION SD LDS 2ND SUPL TGW POR VAC STS ADJ LESS ST & TGW POR VAC N NORTHLAKE PL ADJ AS VAC BY SEATTLE ORD NO 112955

Gasworks Park Marina (only the southwestern portion of the parcel shown on Figure 2 is included in project area)

Owner: Multiple Owners

Street Address: 2143 N Northlake Way, Seattle, Washington, 98103

Parcel: 2708700000

Section, Township, Range: Sections 17, Township 25N, Range 4E

Legal Description: not available on King County Parcel Viewer

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, (other) see 1b below_____

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

The shoreline bank slope within the project area ranges from moderately flat in areas like the southeastern shoreline to vertical at the bulkheaded areas on the southern shoreline. The project will occur primarily in Lake Union. The steepest lake bottom slope is along the shoreline at approximately 30 to 35 percent, falling between bottom elevations of approximately 5 feet and -20 feet USACE.

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 project location consists of glacial till overlaid by varying thickness of glacial outwash, lake deposits and fill material. The lake deposits are generally composed of fine-grained mineral sediment in the lower portion and a high proportion of fine organic matter in the upper portion. Average thickness of fill in the upland is approximately 10 feet and consists of loose to medium dense poorly graded sand and gravel with silt and debris. Agricultural lands of long-term commercial significance are not present, and removal of agricultural soils is not proposed.

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

No, there are no visual indications or history of unstable soils in the immediate vicinity of the project.

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.

To address contaminated soil along the shoreline, approximately 0.75 acres will be capped by a 2-foot thick cap consisting of imported granular fill and topsoil. Prior to placement of the cap, approximately 5,000 cubic yards (cy) of soil will be excavated within the capping footprint. In addition, the tar mound in the northeast corner of the park will be excavated, with the area excavated to be backfilled to match surrounding topography. The total volume of material imported for the shoreline capping element is approximately 3,000 cy. The existing topography is not expected to change significantly after the cap construction.

To address contaminated sediment, nearshore dredging, capping and enhanced natural recovery methods will be implemented. Approximately 16,000 cy of sediment is proposed to be dredged from nearshore areas. Approximately 120,000 cy of clean sand or amended clean sand is proposed for placement over approximately 33 acres. High energy areas will require the cap material to be armored with layers of larger, stable rock mixtures. Approximately 22,000 cy of rock material will be placed on top of the sand cap material. The sources of material are anticipated to be from local quarry sources. The imported material will meet project requirements for material type, size, density, and adherence to cleanup standards. Import material requirements will be identified in the construction plans and specifications.

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

During construction, potential minor short-term erosion events are possible and will be addressed using stormwater best management practices (BMPs) and other pollution control measures to be described in the project Stormwater Pollution Prevention Plan (SWPPP), Temporary Erosion and Sediment Control (TESC) and related engineering plans.

Part of the purpose of the project is to stabilize the shoreline and prevent erosion to sediment. As noted in Response 1.e. supra, approximately 22,000 cy of rock material will be placed on top of the sand cap to keep the cap material and underlying contamination in place.

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

Following project construction there will be no additional impervious surfaces.

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

Erosion control measures will be addressed under Ecology's Construction Stormwater General Permit (CSWGP). A SWPPP will be prepared including BMPs and TESC measures consistent with CSWGP and City of Seattle drainage control requirements. Contractors will be required to implement erosion control practices as specified in Ecology and City of Seattle guidance during construction, including BMPs to prevent erosion and stormwater runoff. Typical BMPs may include, but are not limited to, stabilized access points, erosion control blankets, filter barriers (fiber rolls/logs, silt fence, straw bale barriers, etc.)

and sediment traps. The design of the upland and sediment caps and other work elements will include erosion-protection elements.

2. Air [help]

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.

Short-term emissions from vehicle and heavy equipment are anticipated to occur during construction activities, generally during work hours within the fall to spring work window. The current schedule assumes construction will be completed during two work windows. These emissions are typical for construction projects that use similar large diesel-powered heavy equipment such as excavators and haul trucks. During removal of soil, tar, or sediment, contaminated materials that are generated may exhibit an odor associated with GWPS contaminants, particularly lighter and more volatile organic contaminants.

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

No offsite sources of emissions or odor have been identified that would affect the project.

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

During construction, air monitoring will be conducted for air emissions and odors. BMPs to control emissions, odor and dust will be identified during design and construction planning. Common mitigation methods (including for example, covering stockpiles, expediting transport off-site, and monitoring air quality during construction) will be instituted if air quality becomes unsuitable. No long-term emissions are anticipated following construction. As more information about necessary equipment and duration of use becomes available, PSE and the City will evaluate the need for any permitting and/or BMPs to address applicable regulations.

3. Water [help]

a. Surface Water: [help]

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.

Yes, the project occurs in and adjacent to Lake Union, a freshwater lake (see Figure 3). The portion of Lake Union where the project will occur is part of the Lake Washington Ship Canal, which links Puget Sound with Lake Washington.

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.

Yes, the project occurs in and adjacent to Lake Union, see Figure 3.

Shoreline work will include excavation, placement of a permeable cap, and groundwater treatment.

In-water work will include nearshore dredging, removal of debris in areas to be capped and placement of imported sand material in intertidal and subtidal areas. Dredging and capping are anticipated to be

completed using land-based equipment and barge-mounted equipment. Dredging and capping methods will be further evaluated during the design phase.

All project elements will be designed and implemented in compliance with the substantive provisions of the Shoreline Management Act and the City's Shoreline Master Program.

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.

Approximately 16,000 cy of sediment is proposed to be dredged from nearshore areas. Approximately 120,000 cy of clean sand or amended clean sand is proposed for placement over approximately 30 acres. Approximately 22,000 cy of rock material will be placed on top of the sand cap material. Further details regarding material quantities for dredging and capping will be developed during the remedial design. Capping, dredging, and enhanced natural recovery areas are depicted on Figure 3. The sources of material are anticipated to be from local quarry sources. The imported material will meet project requirements for material type, size, density, and adherence to cleanup standards. Import material requirements will be identified in the construction plans and specifications.

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

Yes, the excavation of soil and nearshore sediment along the shoreline will be conducted behind a dewatered cofferdam to prevent mobilization of contamination to surface water during excavation. This process will involve placement of the cofferdam and initial pumping of surface water behind the cofferdam to outside the cofferdam, followed by continued pumping of groundwater and surface water entering the excavation to maintain a dewatered excavation area. Following initial removal of surface water, water generated to maintain a dewatered excavation area will be collected, treated, tested, and discharged to the sanitary sewer. Expected rates of discharge from construction and allowable rates of discharge to the sanitary sewer will be determined in coordination with King County during design. Following completion of excavation and capping behind the cofferdam, the area will be inundated, and the cofferdam will be removed.

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

No, the project does not lie within a 100-year floodplain.

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, the project does not involve any discharges of waste materials to surface water. Construction will be conducted to minimize potential for releasing contaminated sediment, soil, and groundwater to the aquatic environment. Construction BMPs will be utilized during implementation of the cleanup action to prevent, control, and minimize discharges. Typical BMPs may include, but are not limited to, stabilized access points, erosion control blankets, filter barriers (fiber rolls/logs, silt fence, straw bale barriers etc.), sediment traps and containment barriers (oil booms, silt curtains and cofferdams).

b. Ground Water: [help]

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 from a well for drinking water.

Arsenic groundwater treatment will be completed in the eastern portion of the Play Area as part of the project. Treatment reagent, consisting of a dilute solution of ferrous sulfate, will be injected to the subsurface treatment zone through a network of vertical injection wells. Details of the groundwater treatment will be described in a future engineering design report, which will be reviewed and approved by Ecology. Reagent mixing and injection will be implemented by an experienced remediation contractor equipped and qualified to complete on-site mixing and injection of reagent solutions.

Existing groundwater monitoring wells used for environmental investigations are located along the shoreline and will be sampled during or after construction. It is anticipated that water from monitoring well sampling or construction dewatering, if any, will be discharged to the sanitary sewer if feasible, and/or at a permitted offsite disposal facility. The general approach for managing water will be described in the engineering design report, which will be reviewed and approved by Ecology. The detailed approach for managing water will be included in a contaminated materials management plan developed by the selected contractor.

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.

No waste materials will be discharged into the ground as part of the project.

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.

Stormwater from the project will be managed in accordance with CSWGP and City of Seattle requirements, as described in a construction SWPPP and TESC plan to be prepared. Following construction of the permeable soil shoreline cap, stormwater will infiltrate into the cap.

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

Waste materials are not expected to enter ground or surface waters.

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

No, the shoreline capping (vegetated cap) is not expected to alter or affect drainage patterns at the project location or in the vicinity.

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

Contaminated soil or sediment generated during excavation or dredging will be immediately contained to prevent waste materials from infiltrating or entering Lake Union. Temporary stockpiles will be lined and covered to prevent precipitation, stormwater and surface water from contacting materials contained within stockpiles and prevent waste materials from entering the ground and surface waters. Contaminated soil or sediment will be removed from the GWPS and disposed of at an approved facility.

The shoreline soil cap will be graded to prevent stormwater from ponding, to prevent stormwater from eroding soil surfaces, and to maintain current drainage patterns to the extent feasible.

4. Plants [help]

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

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

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

Himalayan blackberries, shrubs, and small trees are present along the shoreline of the park. Where necessary to complete excavation of shoreline soil and the tar mound, existing vegetation will be removed during construction. Following placement of the shoreline cap, surfaces will be re-vegetated in compliance with the substantive provisions of the City's SMP.

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

No listed threatened or endangered plant species are known to be on or near the project location.

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

A vegetated soil cap will be placed on the shoreline as part of the project . Additional details for revegetation will be prepared during the design phase.

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

Himalayan blackberries are present along the shoreline of the park.

5. Animals [help]

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 _____

Birds: hawk, heron, eagle, songbirds, and waterfowl
Mammals: beaver, racoon, opossum, and other urban wildlife
Fish: bass, salmon, trout, and shellfish

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

Chinook salmon (threatened - federal), coho salmon (candidate - federal), steelhead (threatened - federal) migrate through the Lake Washington Ship Canal. The western pond turtle (endangered – state) have been identified in Lake Union. Additional WDFW Priority Species in the vicinity of the project location include sockeye salmon, cutthroat trout, and bull trout.

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

Salmonids use Lake Union as an anadromous fish migratory route for the Sammamish River and other waterways. The Puget Sound area is part of the Pacific flyway. Birds that inhabit the area vary seasonally because of migration patterns.

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

The project will adhere to additional applicable regulatory requirements related to the preservation of animals. An Endangered Species Act (ESA) Biological Assessment (BA) or Biological Evaluation (BE) will be prepared as part of the project permitting to evaluate the potential for impacts to federally-listed species. BMPs and conservation measures will be included in the BE to minimize potential impacts to federally-listed species and will also provide protection for non-listed wildlife.

Effective use of BMPs in the upland (erosion and runon/runoff control, and contaminated material stockpile management) and sediment (to minimize suspension of contaminated sediments and mobilization to the water column) will protect species in at the proposed project area.

The project will enhance wildlife habitat in the long-term through removal and capping of contaminated soil and sediment. In-water work will be conducted only during the approved in-water work windows, when salmonids are least likely to be in the project area.

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

There are no known invasive animal species at the project location. However, according to King County, the following invasive species are present in King County, and therefore, may be present at the project location: nutria, American bullfrog, European starling, house sparrow, eastern gray squirrel, and fox squirrel (https://kingcounty.gov/services/environment/animals-and-plants/biodiversity/threats/Invasives.aspx).

6. Energy and Natural Resources [help]

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.

Use of electricity is anticipated to power the local construction offices during the project. Electrical service will be obtained from the nearest appropriate City power source to the construction office trailers. Equipment used at the project will be powered by fuels such as diesel and gasoline.

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

The project will not affect the potential use of solar energy by adjacent properties.

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:

No energy conservation features are currently included in the plans for this project. Green remediation approaches will be considered for construction of the project to reduce energy impacts. Green remediation elements that may be applicable include usage of energy-efficient electrical and motorized equipment, waste reduction and recycling, etc. Applicable green remediation approaches will be included in the construction plans and specifications and work plans developed by the selected contractor.

7. Environmental Health [help]

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.

The project is being implemented to prevent exposure to hazardous substances and to prevent further releases of hazardous substances. The potential for releases and accidental spills from construction vehicles and material storage during construction will be managed through spill response procedures, engineering controls and other BMPs. Potential release of contaminants from sediments during dredging and capping will be managed through BMPs. Typical BMPs may include, but are not limited to, stabilized access points, erosion control blankets, filter barriers (fiber rolls/logs, silt fence, straw bale barriers etc.), sediment traps and containment barriers (oil booms, silt curtains and cofferdams). The use of appropriate BMPs for the project will be included in the construction plans and specifications and dredging plan developed by the selected contractor. Water quality will be monitored during construction to ensure compliance with water quality criteria for the project. Long-term monitoring and maintenance will be conducted to evaluate the performance of the cleanup remedy over time.

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

Contamination at the project location has been thoroughly studied over decades. A summary of available information is described in the 2023 Remedial Investigation/Feasibility Study report. The 2023 Remedial Investigation/Feasibility Study is available on Ecology's project website (https://apps.ecology.wa.gov/cleanupsearch/site/2876). Historic MGP operations resulted in contamination by site-related contaminants of concern including polycyclic aromatic hydrocarbons, volatile organic compounds, semivolatile organic compounds, and metals (arsenic and nickel).

Lake-wide, non-MGP, sources also resulted in contamination in the sediment including pesticides, polychlorinated biphenyls, and tributyltin.

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.

The project is intended to address contaminants present and protect human health and the environment. Existing conditions related to contaminants are accounted for in the project and documented in the 2023 Remedial Investigation/Feasibility Study report.

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.

Toxic or hazardous chemicals used and stored during construction will be limited to fuels (diesel and gasoline). Fuel will be stored onsite in approved containers that meet relevant fire codes. The selected contractor will adopt measures to prevent spills during fueling. Spill protection and collection devices will be available onsite. Soil and sediment excavated or dredged, and water generated during project construction will be temporarily stored on site and disposed of offsite at a permitted facility consistent with applicable soil disposal regulations. The stored soil, sediment, and water will be tested for dangerous waste properties before it is transported offsite and disposed of.

4) Describe special emergency services that might be required.

No special emergency services are expected beyond the contingencies for standard emergency health and safety response within the City of Seattle.

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

The contractor will be required to prepare a site-specific Health and Safety Plan to protect workers. The contractor will also be required to prepare and follow a Spill Prevention, Countermeasures and Control Plan, routinely inspect equipment, and have spill kits on site in case of spills of petroleum products from construction equipment. Environmental health hazards will also be controlled by measures to be described in the required project Stormwater Pollution Prevention Plan (SWPPP), Temporary Erosion and Sediment Control (TESC) and related engineering plans.

b. Noise

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

Noise associated with adjacent park, industrial, or residential activities in the project area will not 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.

Construction activities will result in a short-term increase in noise levels associated with heavy equipment. Construction activities would be limited per the City of Seattle Noise Ordinance which, in general, permits construction activities between the hours of 7:00 a.m. and 10:00 p.m. weekdays, and between 9:00 a.m. and 10:00 p.m. weekends and holidays.

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

Construction activities will comply with the City of Seattle Noise Ordinance.

8. Land and Shoreline Use [help]

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 uses of the site and adjacent properties include:

Northlake Shipyard: repair and maintenance of ships and marine equipment.

Center for Wooden Boats: a boat facility on a leased parcel owned by King County.

Harbor Patrol: a base for water-related emergency responses along the City of Seattle shoreline and nearby water bodies.

Gas Works Park: a 19-acre public park that provides opportunities for viewing, picnicking, kite-flying, and play. Highly popular, the park is also the site of numerous city-wide events and celebrations. The park is also accessed by the heavily used Burke-Gilman Trail, a multi-use trail. Events use the park as a venue, especially during the summer, including a city-wide Independence Day celebration. Current shoreline signage at the park prohibits access to Lake Union.

Gas Works Park Marina: moorage for residential houseboats.

Lake Union: wading, swimming, fishing, navigation (commercial vessels and recreational power boats), kayaking and standup paddle boarding.

These uses will not be affected by the completed project other than the current park signage prohibiting access to Lake Union, these signs will no longer be necessary.

Access to certain areas will be limited during construction activities but restored following completion of the project.

b. Has the project area 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, the project area has not been used for agriculture or working forest lands.

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, the project location is not surrounded by working farms or forest land and will not affect any such uses.

c. Describe any structures on the site.

As shown on Figure 2, a concrete seawall/promenade, referred to as the “Prow” are located along the shoreline Overwater structures include:

- Metro Lake Union (South Yard) – three timber supported piers
- Waterway 20 – log boom
- Harbor Patrol – log boom, timber supported pier, concrete wharf, floating docks, and a boathouse

- Gas Works Park Marina – pile supported dock and floating homes.

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

There are multiple unused, derelict overwater structures (floating piers and docks) associated with the Metro Lake Union (South Yard) that may be demolished as an element of this project if they have not already been demolished at the time of construction. Harbor Patrol docks may also be demolished as part of the project; however, this need has not yet been determined.

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

The Gas Works Park and the Gas Works Park Marina parcels are currently zoned Industrial Buffer/IB-U/45. Adjacent parcels to the west, including Harbor Patrol and Metro Lake Union (South Yard) are zoned Industrial Commercial/IC-45.

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

The City of Seattle Comprehensive Plan Future Land Use Map adopted in 2016 designates Gas Works Park and Harbor Patrol as "City-Owned Open Space" and the Gas Works Park Marina and Metro Lake Union (South Yard) properties as "Industrial Areas." As shown on Figure 2, most of the project will occur on state-owned aquatic land managed by the Washington Department of Natural Resources.

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

The City of Seattle Shoreline Master program designates the shorelines of Waterway 19 and Waterway 20 as "Conservancy Waterway" and the shorelines of Gas Works Park as "Conservancy Management." The shorelines of the Metro Lake Union (South Yard), Harbor Patrol, and Gas Works Park Marina properties are designated "Urban Maritime."

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

The project includes a portion of the Lake Union shoreline, which is regulated under the Shoreline Management Act as implemented through the City of Seattle's Shoreline Master Program. Environmental Critical Areas include the 100-foot-wide Shoreline Habitat Buffer. The project will be designed to comply with the substantive provisions of the applicable shoreline regulations.

A small upland area near the eastern portion of the Prow is designated as a Steep Slope. This area is adjacent to, but not within, the project.

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

The same number that currently reside or work within the project location. Approximately 30 residential houseboats at the Gas Works Park Marina are located within the project. Harbor Patrol and the Center for Wooden Boats (at the Metro Lake Union [South] property have employees, but the number of workers is unknown.

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

The completed project will not displace any people.

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

The completed project will not displace any people; therefore, no avoidance or reduction measures are necessary.

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

The City, as a party to the Consent Decree with Ecology and an owner of property within the project, will provide input during design to ensure compatibility between the project and existing and proposed land uses and plans. PSE and the City will also coordinate with other property owners within the project during design to ensure compatibility between the project and existing and proposed land uses and plans. In addition, obtaining the required permits and/or approvals will ensure that the project is compatible with existing and projected land uses.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

No agricultural or forest lands of long-term commercial significance will be impacted; therefore, no reduction or control measures are necessary.

9. Housing [help]

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

None. The project will not provide housing.

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

None. The project will not eliminate housing.

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

None. The project will not impact housing; therefore, no measures are proposed.

10. Aesthetics [help]

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

No structures are proposed as part of the project.

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

The project will not permanently alter or obstruct views. There may be temporary aesthetic impacts due to the presence of construction equipment.

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

The project will remove Himalayan Blackberries, shrubs, and small trees along the shoreline of Gas Works Park and replace them with grass similar to other areas of the park. Additional vegetation may be included in the design based on coordination with the City and any permit requirements.

11. Light and Glare [help]

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

The project will not permanently produce light or glare. During construction, temporary lighting could be used by contractors during dark periods (early morning or later afternoon) within the allowable work hours for visibility and safety. The lights will be turned off at the end of each workday.

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

No. The completed project will not produce light or glare.

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

There are no existing 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:

Lighting used during construction will be temporary and limited to use during allowable work hours. The presence of light during non-working hours will be minimized by using fixtures to direct the light downward and away from off-site land uses and in accordance with the City of Seattle requirements.

12. Recreation [help]

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

The project is occurring along the shoreline of Lake Union at Gas Works Park; an urban park providing walking trails, viewpoints, playground, picnic amenities, and other recreational activities (e.g., kite-flying). Concerts and special events are also hosted at the park. Lake Union is for wading, swimming, fishing, recreational boating, kayaking and standup paddle boarding.

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

The project will not permanently displace existing recreational uses. Recreational uses of the park shoreline will be limited during construction activities but restored following the project. Offshore areas may be temporarily closed to boaters during construction.

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

During project design, options for key work elements (i.e., staging areas, access roads, and construction sequencing, etc.) will be evaluated to minimize, to the extent feasible, temporary impacts to recreational uses during construction. Recreational opportunities will increase following completion of the project as a result of restoring access to Lake Union from the park shoreline, which is currently prohibited due to the presence of contaminated sediment.

13. Historic and cultural preservation [help]

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? If so, specifically describe.

There are three cultural resources that are listed in the National Register of Historic Places (NRHP), Washington Heritage Register (WHR) and Seattle City Landmarks (SCL) properties list or have been determined eligible for listing in the NRHP within 0.25 miles of the project. Gas Works Park (45-KI-668) is within the project area and Wawona (Schooner, 45-KI-170) is anchored on the water just outside and adjacent to the Gas Works Park register boundary. The Radium Hand Soap (Cochran Electric Company) at 2121 North 35th Street, Seattle Washington has been determined eligible for listing in the NRHP but has not been nominated or formally listed. It is located approximately 0.25 miles to the northeast of the project area.

There are also ten historic-aged properties with no determination or determined not eligible within 0.25 miles of the project area.

The Gas Works Park shoreline is within the project. The park was originally a gas manufacturing plant, called Lake Station, and was operated by the Seattle Lighting Company. Parts of the former industrial site remains, including steel towers, concrete railroad trestles and several buildings. First built in 1906 and subsequently altered in the 30s and 40s, the gas works functioned at this location until 1956.

Abandoned for six years, the gas-production plant and its land were purchased by the City of Seattle in 1962. The commission for the design of a new park was awarded to Richard Haag Associates, Landscape Architects in 1970, with Gas Works Park opening to the public in phases from 1973 to 1978.

There are twenty contributing resources within Gas Works Park Historic District and the period of significance for the park begins in 1973, the date the first portion of the park opened, and ends in 1978, the date of the last major project in the park related to its original design.

Gas Works Park has been listed as a City of Seattle Landmark as well as identified as a property of national significance on the National Register of Historic Places. Gas Works Park is historically significant under National Register Criterion "A" for its direct association with serving the broad recreational needs of the citizens of Seattle and for its radical reformation of what was considered a park. The design conserved a part of Seattle's industrial heritage along with introducing a groundbreaking experiment in bioremediation into urban life. The Park is also nationally significant under National Register Criterion "C" as a project that represents the work of master landscape architect Richard Haag and as a resource that embodies the distinctive characteristics of landscape architecture in the 1970s. Despite the young age of the park, Gas Works Park also meets National Register Criteria Consideration "G" as a property that has achieved significance within the past 50 years. In fact, creation of the park set a new precedent in landscape design, both nationally and internationally. The award- winning project has been featured in hundreds of scholarly studies, reports, articles and books since its opening.

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.

There are no archaeological sites within or adjacent to the project location. There are five recorded archaeological sites within a mile of the project area.

The project is located within the traditional territory of the Shilshole people, who were a subgroup of the Duwamish people (Buerge 1984; Costello 1895; Haeberlin and Gunther 1930; Spier 1936; Swanton

1979). Descendants of the Duwamish are members of the following federally recognized tribes: Snoqualmie Tribe, Tulalip Tribes, Suquamish Tribe, and Muckleshoot Indian Tribe (BIA 1996, 1997; Miller and Blukis Onat 2005). The Duwamish are considered part of a shared Southern Coast Salish culture group who spoke a common dialect of the Southern Lushootseed language (Suttles and Lane 1990).

Several Native American place names are documented near the project area. One is located within the project area, Stĕ/tciL and describes the promontory that Gas Works Park sits upon (Hilbert et. al. 2001; Waterman 1922).

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

As part of completing the 2023 Remedial Investigation/Feasibility Study for the project Ecology solicited input from the following Tribes: Duwamish, Muckleshoot, Nisqually, Puyallup, Squaxin, Snoqualmie, Stillaguamish, Suquamish, Swinomish, and Tulalip.

PSE reviewed existing cultural resource materials in their own resource library which include archaeological, historic period and ethnographic reports, manuscripts, and maps. PSE also reviewed cultural resource data available through Washington State Department of Archaeology and Historic Preservation WISAARD database to determine if cultural resources were near or within the project area. WISAARD provides cultural resource survey reports and forms, archaeological sites, historic period site and ethnographic information among other environmental data relevant to the project area.

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.

Industrial elements of historic significance preserved during park construction will not be disturbed by the project. During project design and permitting, appropriate regulatory oversight will provide a framework for consultation, further identification efforts and appropriate consultation. PSE, the City of Seattle, or Ecology (under Governor's Executive Order 21-02) will coordinate with the lead federal agency, the Washington State Department of Archaeology & Historic Preservation (DAHP), affected Tribal organizations, and, if needed, Seattle Landmarks Preservation Board and Board staff at the Seattle Department of Neighborhoods.

An Inadvertent Discovery Plan will be prepared and implemented in accordance with the Consent Decree under which the project is being performed and under other applicable regulations, potentially including RCW 68.60, RCW 27.44, RCW 68.50 and Section 106 of the National Historic Preservation Act.

14. Transportation [help]

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 project location is accessible from North Northlake Way and Lake Union (see Figure 2).

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 location is served by public transit, including Routes 5, 31, 32, and 62. Closest transit stops are approximately 0.4 miles away.

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

The completed project will not add or eliminate any parking spaces.

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 proposed project will not require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities.

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 use boats or barges to construct the offshore elements of the cleanup action.

Recreational and commercial boat traffic occurs in Lake Union. Seaplane traffic is also present. Temporary disruptions to recreational and commercial boating traffic and seaplane traffic may occur during construction activities.

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?

The completed project will not generate vehicle traffic. During the 2-to-3-year project construction period most of the work (and the most intense work) will occur in Lake Union within permit required in-water work windows (fall to early spring). Estimated passenger vehicle and truck/barge traffic generated during construction is discussed below:

- Passenger vehicle traffic: Daily workers associated with construction contractors, oversight consultants, and project owners will drive to the project location daily, resulting in multiple daily vehicle trips. However, because the most intense construction activities will occur during the fall to spring in-water work window, passenger vehicle trips are expected to be relatively low and infrequent during the peak park use season of late spring to early fall.

- Truck/barge traffic: Thousands of cubic yards of excavated material are expected to be hauled to permitted off-site disposal facilities and even greater volumes of clean capping material, and other materials used for construction, are expected to be imported to the project location during construction activities. Some of these materials are expected to be transported to/from the site over road by trucks in truck and pup configuration because of where they will be placed; however, import of material by barge, where feasible, will be encouraged to reduce truck traffic through the neighborhood and park. Approximately 5,000 cubic yards (cy) of upland soil and 16,000 cy of nearshore sediment are proposed to be excavated from the upland within the capping footprint and transported off-site by truck. At approximately 20 cy per truck and pup, this would result in roughly 1,050 trips associated with off-site disposal of excavated material. The total volume of material imported for upland capping and nearshore sediment capping is approximately 10,000

cy, corresponding to 500 truck and pup trips at 20 cy per trip. The total 1,550 trips associated with these quantities is likely conservative, as some trips may involve both import and export of material and some of the material in the nearshore area may be imported and placed by barge. Truck traffic to the project area during peak construction is not expected to exceed 25 to 30 trips per day. The actual number of vehicle trips will depend on the construction means and methods and will be further evaluated following the design phase.

However, because the most intense construction activities will occur during the fall to spring in-water work window, truck trips are expected to be relatively low and infrequent during the peak park use season of late spring to early fall.

Approximately 135,000 cy of capping and other materials used for sediment capping are expected to be imported to the project location by barge. Typical barge sizes that may be used for the project include 140 ft by 40 ft barges (900-ton capacity) and 195 ft by 35 ft barges (1,400-ton capacity). Assuming these barge sizes, the number of trips associated with import of capping and other materials range from 100 to 150 barge trips. Barge trips will not occur outside the in-water work window.

After construction of the project is completed, vehicle traffic will be limited to occasional field visits for compliance monitoring and possible maintenance.

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, the project will not affect or be affected by the movement of agricultural and forest products on roads or streets in the area.

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

All traffic associated with the project will adhere to City of Seattle requirements for construction and traffic control.

15. Public Services [help]

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.

No. The project will not change current land uses; therefore, it will not result in an increased need for public services.

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

The project will not impact public services; therefore, no measures are proposed to reduce or control impacts on public services.

16. Utilities [help]

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

other _____

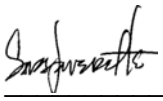
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No utilities are proposed for the project, and it will not disturb existing utilities.

During construction, a temporary job shack will be placed on the uplands adjacent to the project. Temporary electricity will be connected to the job shack until the project is completed. Electrical service at the project area is provided by Puget Sound Energy.

C. Signature [HELP]

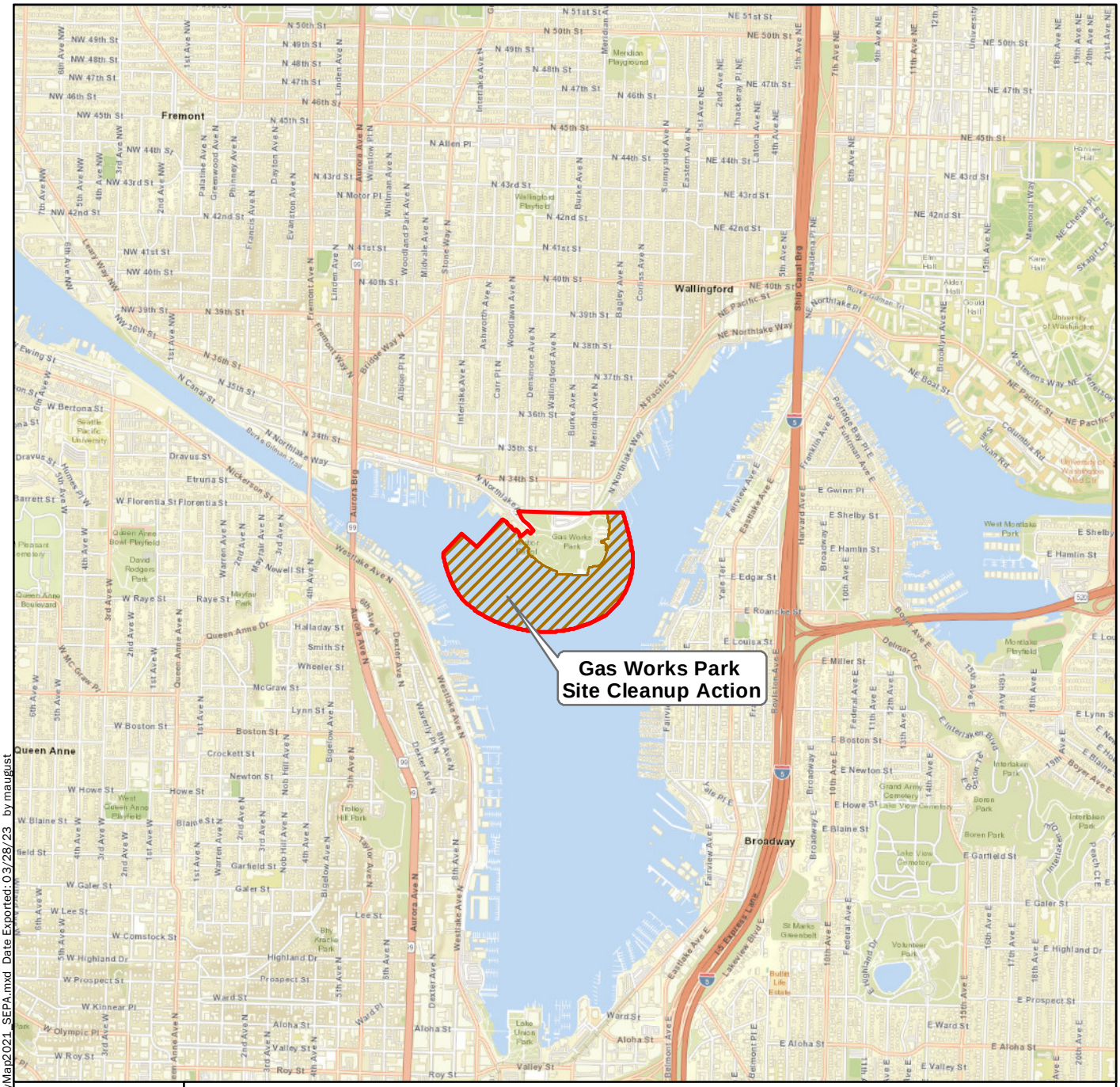
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee Sara Leverette

Position and Agency/Organization Asst. General Counsel/Dir. Environ. Services

Date Submitted: 5-17-23



Area of Investigation Boundary

Gas Works Park Site Cleanup Action

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Feet

Notes:

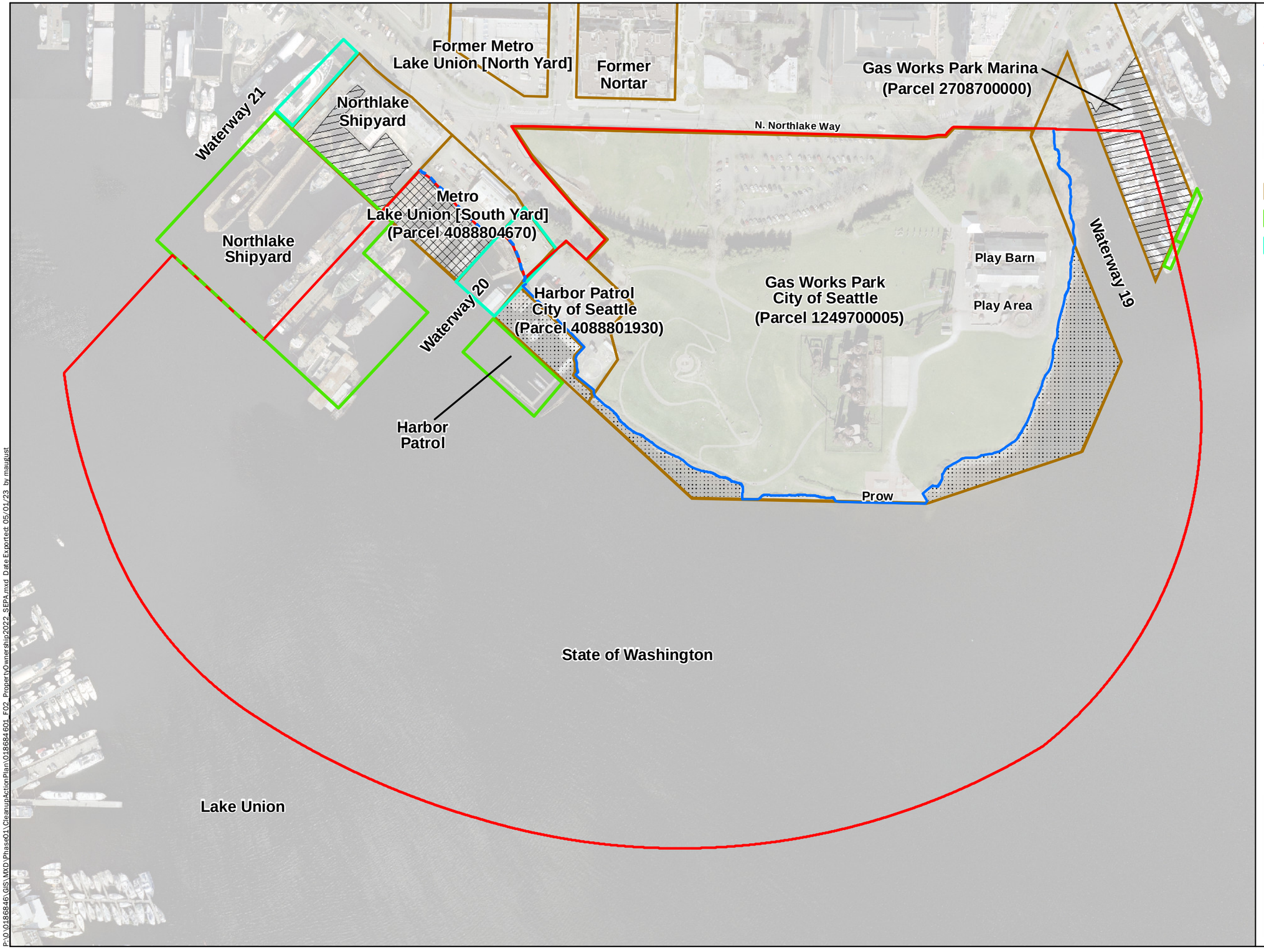
1. Gas Works Park Site boundary is the Area of Investigation.
2. Basemap - ESRI, 2023.
3. Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet.

Vicinity Map

Gas Works Park
Site Cleanup Action
Seattle, Washington

GeoEngineers

Figure 1



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Legend

- Area of Investigation Boundary
- Shoreline (OHWM)

Properties

- City Owned Aquatic Property
- County Owned Aquatic Property
- Privately Owned Aquatic Property

Boundaries

- Property Boundary
- Aquatic Lease Boundary (State-Owned Aquatic Property)
- Waterway Use Permit Boundary (State-Owned Upland and and Aquatic Property)

Notes:

1. Reference: Department of Parks, Property Acquisition Map (1984). King County Parcel Viewer (2013). King County iMap (2013).
2. Record of Surveys: Northlake Shipyard - DNR Lease 20-A12992 and Waterway 21 DNR Aquatic Waterway User Permit [February 2008]; Waterway 20 DNR Aquatic Waterway User Permit No. 20-089981 [June 21, 2018]; Gas Works Park Marina DNR Lease 20-013648 [December 5, 2018), DNR Lease 20-A79485 [September 17, 2019], and DNR Lease 20-B12133 [September 17, 2019].
3. Basemap 2005 USGS aerial photograph. Does not show current conditions.
4. Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet.

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Property Ownership and In-Water Structures

Gas Works Park
Site Cleanup Action
Seattle, Washington

GeoEngineers

Figure 2

Gas Works Park

Play Area

Lake Union

SMA-1
SMA-2
SMA-3
SMA-4
SMA-5
SMA-6
SMA-7
SMA-8
SMA-9
SMA-10
SMA-11
SMA-12
SMA-13
SMA-14
GWMA-1

Legend

- Area of Investigation Boundary
- Shoreline (OHWM)
- Sediment Management Area (SMA) Boundary
- Groundwater Management Area (GWMA) Boundary
- Shallow Tar Removal
- Permeable Vegetated Cap
- Arsenic In-situ Treatment (Groundwater)
- Sand Cap (2 ft Isolation Layer)
- Thick (>3 ft Isolation Layer) Sand Cap
- Enhanced Cap
- Enhanced Natural Recovery (ENR)
- Monitored Natural Recovery (MNR)
- Dredging for mass reduction and to facilitate placement of cap material without modification to shoreline elevations
- Potential dredging to facilitate placement of cap material in water depths less than 15 feet to minimize disruption to facility operations

Notes:

1. Basemap 2005 USGS aerial photograph. Does not show current conditions.
2. Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet.

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Proposed Cleanup Action

Gas Works Park
Site Cleanup Action
Seattle, Washington

GeoEngineers

Figure 3

Office: SEA Path: P:\0\0186846\GIS\MXD\Phase01\CleanupActionPlan\0186846003_F03_Alt6_ExpandedNearshore_Multicomponent_2021_SEPA.mxd Map Revised: 01 May 2023 maugust