

WAC 197-11-970 Determination of nonsignificance (DNS).

DETERMINATION OF NONSIGNIFICANCE

Description of proposal: Cleanup actions will be conducted at the Everett Smelter Lowlands cleanup site. This site is being cleaned up under the authority to the Model Toxic Control Act, Ch 70.105D RCW, and the Model Toxic Control Action Cleanup Regulation, Chapter 173-340 WAC. The proposed cleanup action will excavate arsenic contaminated soil and debris, install a reactive barrier wall, install and maintain low permeability caps and decommission some underdrain piping. Monitoring will be completed to confirm remedy success.

Proponent: Washington State Department of Ecology

Location of proposal, including street address, if any: The site is on the peninsula of North Everett, east of East Marine View Drive and west of the Snohomish River.

Lead agency: Washington State Department of Ecology

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

- There is no comment period for this DNS.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.
- This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 30 days from the date below. Comments must be submitted by September 20, 2016

Responsible official: Robert W. Warren

Position/title: Section Manager, Toxic Cleanup Program, Northwest Regional Office Phone: 425-649-5054

Address: Washington State Department of Ecology, 3190 160th Avenue SE, Bellevue, Washington, 98008

Date. 8-4-16 Signature [Handwritten Signature]

(OPTIONAL)

- You may appeal this determination to (name) _____
at (location) _____
no later than (date) _____
by (method)

You should be prepared to make specific factual objections.
Contact _____ to read or ask about the procedures for SEPA appeals.

- There is no agency appeal.

SEPA ENVIRONMENTAL CHECKLIST

UPDATED 2014

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

1. Name of proposed project, if applicable:

Everett Smelter Lowland Area Cleanup

2. Name of applicant:

Washington State Department of Ecology,

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

Sandra Matthews Site Manager
Toxics Cleanup Program, Northwest Regional Office
WA Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452
425-649-7206
425-649-7161-fax
smat461@ecy.wa.gov

4. Date checklist prepared:

June 20, 2016

5. Agency requesting checklist:

Washington State Department of Ecology

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

Timing will be based on available funding. Initial work will include removal of source material.

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

No

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

The following reports have been prepared in support of this work:

Columbia Geotechnical Associates, Inc., 2015, "A Cultural Resource Assessment for the Everett Smelter Site Lowland Project, Everett, Washington," December 2015.

GeoEngineers, Inc., 2016, "Draft Cleanup Action Plan, Everett Smelter Lowland Area, Everett, Washington," For the Washington State Department of Ecology, June 30, 2016.

GeoEngineers, Inc., 2016, "Supplemental Remedial Investigation and Feasibility Study Report, Everett Smelter Lowland Area, Everett, Washington," For the Washington State Department of Ecology, GEI File No. 0504-068-01, March 31, 2016.

GeoEngineers, Inc., 2015, "Wetland Delineation Report, Everett Smelter Site – Lowland Area, Everett, Washington," For the Washington State Department of Ecology, GEI File No. 0504-068-02, December 21, 2015.

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

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

The anticipated cleanup action will need to comply with both substantive and procedural requirements of applicable laws and regulations:

- Federal Clean Water Act (CWA) Section 404 Permit, U.S. Army Corps of Engineers Nationwide Permit #38 anticipated
- Federal CWA Section 401 Water Quality Certification (WQC)
- Federal Coastal Zone Management Act Consistency
- Federal Endangered Species Act consultation
- Washington State Hydraulic Project Approval (HPA)
- Washington State Environmental Policy Act (SEPA) Determination
- Washington State Construction Stormwater General Permit (CSWGP)
- Washington State Well Drilling and Well Construction Regulations
- Washington State Department of Transportation (WSDOT)/City of Everett Right-of-Way Permit
- Washington State Dangerous Waste Regulations
- City of Everett Shoreline Permit
- City of Everett Grading Permit
- City of Everett Critical Areas Ordinance Permit
- City of Everett Discharge to Publicly Owned Treatment Works (POTW) Permit

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 Cleanup actions vary over the site as follows:

Area A1-Maintain area as a roadway, 1200 square yards (sy)- protect or temporarily reroute utilities, excavate and dispose of contaminated material (approximately 2,500 tons of hazardous material and 9,500 tons of non-hazardous material) at approved offsite facilities, perform verification soil sampling, import clean material to backfill and restore

disturbed surfaces. Complete a year of post action monitoring in existing and newly installed wells.

Area A2- Area to be used for industrial development, 1,700 square yards- excavate and dispose of approximately 6,000 tons of non-hazardous contaminated material offsite, perform verification soil sampling, import clean material to backfill and restore surfaces. Complete a year of post action monitoring in existing and newly installed wells.

Area B1-Road right of way and undeveloped land now to become a mixed commercial project. A low permeability cap to be installed over a 46,000 sy area. An environmental convenient will be filed by the property owner to maintain the integrity of the cap. Work will include clearing of 8,900 sy. An asphalt or concrete cap will be placed over a minimum of 1 foot of clean soil. Within this area, 1.2 acres of wetland will be capped and mitigated for in an alternate location either by wetland mitigation bank or constructed wetland. These wetland impacts will occur in three wetlands (Wetlands A, B, and C) that consist of one Category II and two Category III wetlands. Post-construction monitoring will be completed after the cap installation.

Area B2-Maintain area as a truck maintenance facility with the asphalt cap in place. Use institutional controls, an environmental convenient will be filed by the property owner to bar use of groundwater at the site and maintain the integrity of the cap. Construct a permeable reactive barrier (PRB) along the shoreline of Area B2 to intercept and treat shallow groundwater contamination. The specific design components of the PRB will be determined as part of the engineering design process. Post-construction monitoring will be completed after the remedy installation. Work will include clearing of 1,400 sy. Lining and repair of approximately 1,600 linear feet of storm pipe.

Area B3- Undeveloped area to be used for industrial development. Maintain 6 feet of clean soil, low permeability cap above impacted material. Use institutional controls (environmental convenient will be filed by the property owner) to bar use of groundwater at the site and maintain the cap. Post-construction monitoring will be completed after the remedy installation.

Area C1- Undeveloped area to be used for industrial development. Use institutional controls, an environmental convenient will be filed by the property owner to bar use of groundwater at the site and maintain a low permeability cap of 6 feet of clean soil, above impacted material. Post-construction monitoring will be completed after the remedy installation.

Area C2 and C3- Undeveloped area a vegetated steep slope. Use institutional controls to restrict access to soil. Install 6,000 lineal feet (LF) of fence to limit access to the area.

Area C4- Right of way area to remain. Install a plastic cap and a one foot soil cap over a 400 sy area. Use institutional controls to restrict access to soil.

Area C5- Undeveloped area to be used for industrial development. Use institutional controls to bar use of groundwater at the site and maintain a 6 feet cap of clean soil, low permeability cap above impacted material. An environmental convenient will be filed by the property owner to maintain the integrity of the cap. Abandon 1,000 lf of underdrain system. Post-construction monitoring will be completed after the remedy installation.

Area C6- PUD substation to remain. Monitored natural attenuation.

Area D1, D2 and D3- Outfalls. Use institutional controls to restrict use and sediment management. Post-construction monitoring will be completed after the remedy installation.

Area D4, - Outfall. Use institutional controls to restrict use and sediment management. Post-construction monitoring will be completed after the remedy installation.

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.

T29N R5E SECTIONs 8, 9, 16, 17

The site is on the peninsula of North Everett, east of East Marine View Drive and west of the Snohomish River. The site has multiple addresses. See Figure 1 for area locations.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site
(circle one): Flat, rolling, hilly, steep slopes, mountainous,
other _____

The site is mostly flat, except for the steep slope on western boundary from East Marine View Drive to the east.

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

In the steepest areas (northern part of the western boundary) the slope is about 65%.

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.

In the steep slope areas of the site, the soil is mainly Alderwood-Everett gravelly sandy loams, 25 to 70 percent slopes; Alderwood-Urban land complex, 8 to 15 percent slopes; and Alderwood gravelly sandy loam, 15 to 30 percent slopes. The rest of the site is categorized as Urban land. No agricultural land is present on or adjacent to the site.

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

The southern portion of the site is not mapped on Ecology's Puget Sound landslide map. Areas C2 and C3 are mapped as unstable soils.

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.

Clean tested fill from a supplier will be used to backfill areas and cap areas.

A1- approximately 12,000 tons of contaminated soil will be excavated and disposed of in an area about 1,200 square yards.

A2- approximately 6,000 tons of contaminated soil will be excavated and disposed of in an area about 1,700 square yards.

B1- A low permeability cap will be installed over an approximately 46,000 square yard area. Part of the area is already capped and that cap will be maintained.

B2- A low permeability cap will be installed over an approximately 16,000 square yard area.

C4- A low permeability cap will be installed over an approximately 400 square yard area.

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

Yes, in the area along the western boundary of the site. This is why the remedy select for this area has minimal clearing. During removal construction activities there is an opportunity for erosion. Best management practices (BMPs) will be used during construction to minimize this potential. These include shoring, slope engineering, etc.

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

The site has approximately 20% impervious surface. Post remediation the site may be 35% impervious or more. Remediation of the site will increase the potential for development in this industrial area. Industrial development usually means paved surface with storm water management. Based on the zoning, cleanup of the site will encourage increased impervious surface at the site.

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

The goal is to minimize the potential for erosion by implementing BMPS, contingency planning and scheduling and staging of the work to minimize the potential for erosion. Dust control measures like watering dry soils prior and during excavation.

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.

Depending on the weather, a minor amount of dust may occur when removing the soil and replacing with clean soil; however, strict dust control measures will be implemented to prevent the spread on contaminated dust. Emissions from construction equipment.

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

No

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

The sites will be watered, if needed, prior and during construction to minimize dust.

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 eastern boundary of the Lowlands site is the Snohomish River, there are four wetlands (Wetlands A-D). Wetlands A-C are part of a drainage ditches that drain into the Snohomish River through an outfall. The site is located near to where the Snohomish River enters Puget Sound so estuarine conditions occur. Wetlands A, B, and C are located in Area B1 and Wetland D is located in Area C5. They are in an area of limited public access and not connected to other habitat.

- 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 working area B2 is within 200 feet of the Snohomish River shoreline. A permeable reactive barrier wall will be installed in the shallow aquifer. Within area B1, a total of 1.2 acres of wetland impacts will occur in Wetlands A, B, and C. These areas will be capped with a low permeability material.

- 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.

Area B1- Approximately 46,000 square yards of fill will be placed in three wetlands (Wetlands A-C). The wetlands consist of palustrine emergent and palustrine scrub/shrub classes. A pond of about 26,000 square yards will be drained. A low permeability cap of clean, tested fill will be placed. Source of the fill is unidentified at this time.

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

No surface water will be withdrawn for use in the project. Area B1- Work to be done in dry season. Pond and wetland in the area will be drained to install the low permeability cap.

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

Areas A2, B2, B3, C1, C5 and C6 lie in the 100year flood plain.

- 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

- 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.

N/A

c. Water runoff (including storm water):

- 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.

The total quantity of runoff is unknown. Run-off from E. Marine View Drives enters the site along its western boundary, down the steep slope and in pipes. Runoff from the roads over the Lowlands falls or is piped to the drainage conveyance system (ditches, wetland, pipes and ponds) Area B1 has a drainage ditch and a wetland pond then through an outfall on the Snohomish River. Area B2 has constructed storm water ponds at the north and south ends.

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

No

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

Yes, in Area B1 – The remedy cap in this area will include the loss of about 1.2 acres of wetland and redirection of runoff in that area. The overall drainage pattern will remain the same.

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

None.

4. Plants

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

- _x_ deciduous tree: alder, maple, aspen, other
- _x_ 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
- ___ water plants: water lily, eelgrass, milfoil, other
- ___ other types of vegetation

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

Grass, blackberries, Scotts broom, ferns, morning glory, ivy, and maple saplings will be removed.

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

None known

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

Wetland mitigation for B1 will be on a not yet identified alternate site. Other areas will be hydroseeded with a native blend of seed.

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

Blackberry, English ivy, Scott's broom

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: eagle, songbirds, osprey:

mammals: coyote, beaver:

fish: salmon, trout, shellfish,

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

There are no endangered species in the area of the site. The following species are threatened:

- Oregon Spotted Frog, *Rana pretiosa*,
- Marbled Murrelet *Brachyramphus marmoratus*
- Streaked Horned Lark *Eremophila alpestris strigata*
- Yellow-billed Cuckoo *Coccyzus americanus*
- Bull Trout *Salvelinus confluentus*

The North American Wolverine *Gulo luscus* is proposed for threatened

The site is part of critical habitat for Bull Trout [*Salvelinus confluentus*], and Chinook Salmon [*Oncorhynchus (=Salmo) tshawytscha*]

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

Yes. The site is in the migratory route of the following birds:

- Bald Eagle *Haliaeetus leucocephalus*
- Black Swift *Cypseloides niger*
- Calliope Hummingbird *Stellula calliope*
- Caspian Tern *Hydroprogne caspia*
- Cassin's Finch *Carpodacus cassinii*
- Fox Sparrow *Passerella iliaca*
- Marbled Godwit *Limosa fedoa*
- Olive-sided Flycatcher *Contopus cooperi*
- Peregrine Falcon *Falco peregrinus*
- Purple Finch *Carpodacus purpureus*
- Rufous Hummingbird *Selasphorus rufus*
- Short-eared Owl *Asio flammeus*
- Western Grebe *Aechmophorus occidentalis*
- Willow Flycatcher *Empidonax traillii*

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

The remediation of the site will leave a healthier environment for humans and wildlife.

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

None known

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.

During remediation activities, diesel fuel will be used to run machines and vehicles and electric pumps. No power needs are required after work is complete.

- 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:

Agency policy requires an evaluation of green construction practices for construction projects. Items includes use of alternative fuels, scheduling to conserve trips and recycling.

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.

The objective of the project is to remove contaminated material from the project site, to reduce the risk to human health and the environment. When working with machinery, there is always a potential of a release due to equipment failure. Part of the work includes a spill prevention plan with cleanup procedures.

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

Contaminates known to have been present in the Lowlands area include metals (arsenic, lead, cadmium, mercury, chromium), petroleum, pentachlorophenol, carcinogenic polyaromatic hydrocarbons, and polychlorinated biphenyls, creosote, and chromated copper arsenate. Most of this past contamination has been addressed. Cleanup of this area is ongoing. This project is focus on the cleanup of metals (arsenic, lead and mercury)

- 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.

There is a natural gas pipeline along the west side of the area in the south and crosses the site to the Snohomish River south of the SR529 overpass. Other active utilities are mainly below roadways.

- 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.

Contractors may store fuel or lubricants for machinery onsite during remediation activities.

- 4) Describe special emergency services that might be required.

No special procedures will be required

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

As part of the work, a spill prevention and countermeasures plan will be developed with emergency and cleanup procedures.

b. Noise

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

There is a high traffic state route over the site. There are rail lines in the area. These rail lines adjacent to some of the areas being cleaned up.

- 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.

The cleanup work will create additional truck traffic and construction noise (excavators, dump trucks, backhoes) during the day hours (7am to 4 pm).

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

Work will have restricted hours to assist the noise and traffic flow. Specifics for each area will be described in the required project traffic control plan.

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.

The site is mainly industrial, light manufacturing. Some sections are undeveloped. A few undeveloped parcels are zoned commercial. The project will not affect the land use.

- 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

- 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:

The surrounding area is residential and mixed use residential/commercial space with the river on one side. No farm land and it will not affect the normal business.

c. Describe any structures on the site.

Area B2- Large over 30,000 square foot building used for truck repair, sales, service.

Area C5 is adjacent to a mobile trailer office for the transfer station.

There are no structures on the other areas.

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

No

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

The site is zoned M-2-Heavy Manufacturing, except 3 parcels zoned as C-2 –Heavy Commercial-Light Industrial

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

The January 2014 City of Everett Growth Management Comprehensive Plan Land Use Map has the site zoned as 5.1- Heavy Industrial, and the three above referenced parcels zoned as 5.3-Light Industrial.

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

The current shoreline master program designation is Urban Industrial. The Urban Industrial designation is to provide areas for high intensity water-dependent and water-related industrial uses along navigation channels accessible to shallow draft vessels, and to ensure optimum use of shorelines that are presently industrial in nature while protecting and restoring ecological functions.

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

No

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

Unknown

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

None

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

N/A

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

N/A

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

N/A

9. Housing

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

None

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

N/A

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

N/A

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?

None proposed

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

No

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

N/A

11. Light and glare

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

None. The work will occur on weekdays between 7 am and 4pm.

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?

None known.

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

N/A

12. Recreation

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

A golf course is within 1000 feet of the area, Legion Memorial Golf Course. A walking trail along the east side of B2. The Snohomish River along the eastern boundary of the Lowlands area.

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

No. There may be a temporary closure of the walking path during installation of the remedy at B2.

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

The path has limited access. It is a segment of a system that hasn't been completed and is not attached to any other segment. There are minimal impacts for the short term closure of this path.

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.

Yes. There is one site, 45SN358 (Snohomish River Bridge) referenced by Craig Holstine & Oscar R. Bob George is considered eligible for listing in the National Register of Historic Places (NRHP).

Completed in 1954 the bridge is considered to be an exceptional example of a 1950s-era bridge built in Washington.

- 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.

- 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.

A Cultural Resource Assessment was completed for the Lowlands site. Nine sites were identified in the vicinity of the site. None of the nine will be affected by the project.

- 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.

All work will be completed with an inadvertent discovery plan. If something that may be historically significant is discovered, work will cease and an evaluation will be conducted.

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.

East Marine View Drive and the northbound on-ramp to SR 529 will be impacted during the remediation work at A1. Also the access to Riverside Business Park and Riverside Road. A traffic revision plan will be designed communicate detours and alternate routes. Because of the importance of the intersection and the limited alternatives route, work will be scheduled and performed with a partial closure of the intersection.

- 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?

No. The closest transit stop is the corner of 7th and East Marine View Drive.

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

None, no spots added or deleted

- 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).

No, the roads that will be part of the active work will be replaced as they are. In A1, E. Marine Drive will be repaved. In area B2, if the walking path is disturbed it will be replaced. The design is not complete so the exact location and design of the PRB is not complete.

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

No

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?

Unknown. Remediation activities will unencumber the site for development. A large portion of the traffic may be commercial because the area is zoned for manufacturing industrial purposes.

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:

Scheduling and partial closure methods will be used to reduce transportation impacts.

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.

No

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

No

16. Utilities

a. Circle utilities currently available at the site:

Electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

The site has access to electricity, natural gas, water, refuse service, telephone, sanitary sewer, and fiber optic.

- 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 this project. The existing utilities will remain. And no additional will be installed for this project.

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: _____

Name of signee __ Sandra Matthews _____

Position and Agency/Organization __ Site Manger TCP-NWRO Ecology _____

Date Submitted: _____

D. supplemental sheet for nonproject actions

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

- 1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

- 2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

- 3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

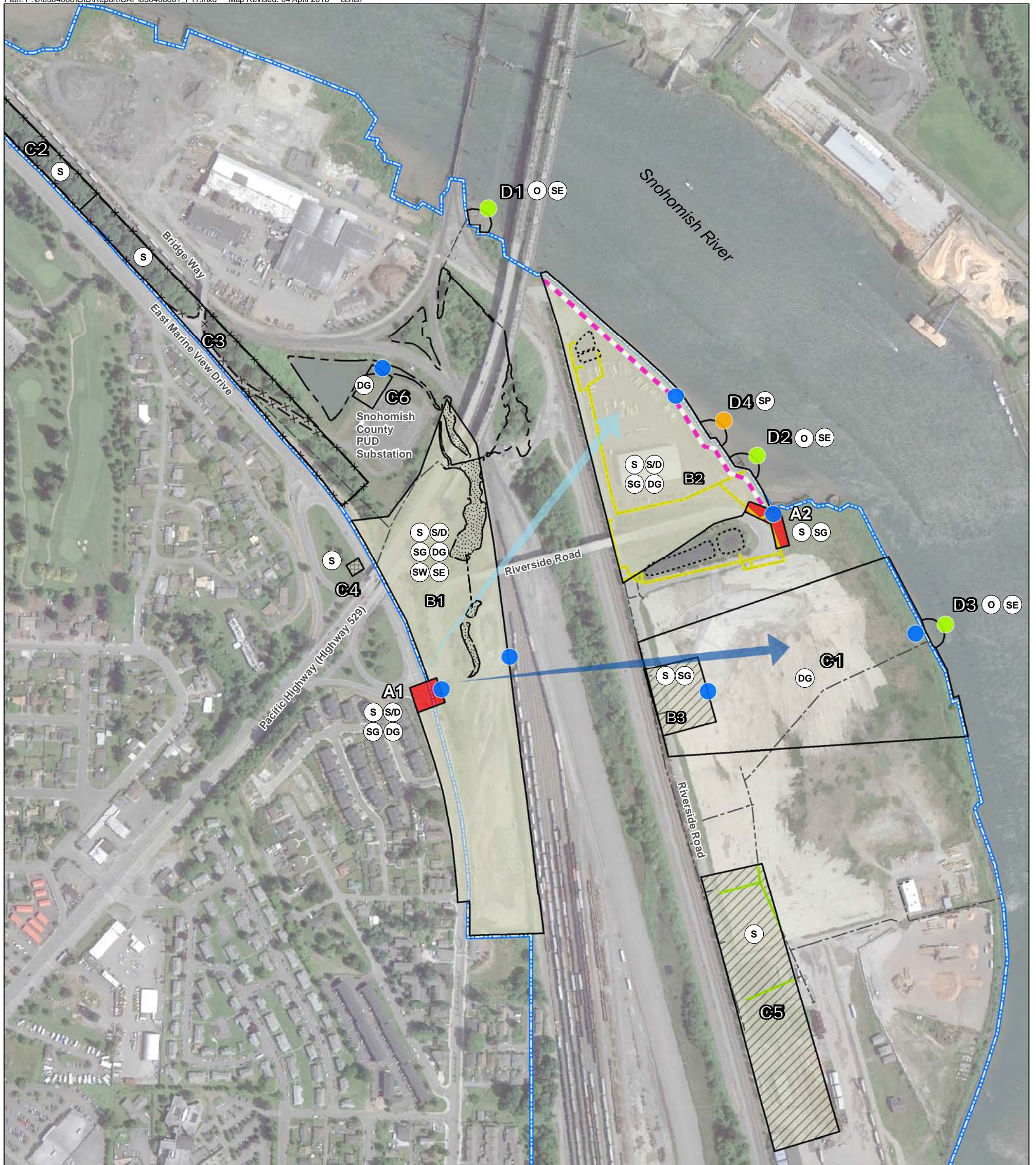
5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.



LEGEND		Proposed Remedial Actions			
	Everett Smelter - Lowland Area		Perform excavation and off-site disposal of contaminated media		Install fence
	Remedial Action Area and its Identification		Maintain existing clean soil cover and asphalt/concrete surfaces of streets, sidewalks and/or parking lots. Construct a low-permeability cap with drainage controls (asphalt/concrete cap and/or a minimum of 1-foot of soil cover with underlying plastic or similar) over the portions that contain contaminated media and currently do not have this kind of protective capping/cover.		Install permeable reactive barrier (PRB) to treat shallow contaminated groundwater
	Surface Water Features (Wetland, Pond or Ditch)		Maintain the existing 6-feet of clean soil cover.		Cut and plug (or backfill with grout slurry) underdrains that are potentially responsible for transport of contaminants from Area C5 to the outfall at Area D3
	Stormwater Basin		Construct a low-permeability cap with drainage controls consisting a minimum of 1-foot of soil cover with underlying plastic or similar.		Repair, install linings or replace stormwater pipes that may allow infiltration and are potentially responsible for transport of contaminants from Area B2 to the outfall at Area D2
	Stormwater Pipe, Culvert and/or Under Drain		Dewater, treat (if necessary) and dispose surface water that discharges as outfall-water at Area D1		Monitor groundwater conditions at/downgradient of the area to evaluate performance of the remedies/natural attenuation processes/compliance with the cleanup standards.
	Shallow Groundwater Flow Direction				Monitor outfall-water and sediment conditions at the area to evaluate performance of the remedies/natural recovery processes/compliance with the cleanup standards.
	Deep Groundwater Flow Direction				Monitor seep-water conditions at the area to evaluate performance of the remedies/natural attenuation processes/compliance with the cleanup standards.
Contaminated Media¹					
	Soil		Surface Water		
	Slag or Debris		Seep Water		
	Shallow Groundwater		Outfall Water		
	Deep Groundwater		Sediment		

Notes:
 1. Locations and depths of contamination at the Lowland Area are presented in the RI/FS Report (GeoEngineers, 2015a). 2. The locations of all features shown are approximate.
 3. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 Data Source: GoogleEarth Pro, 2013. Snohomish County GIS, 2012.

Summary of Proposed Cleanup Actions	
Everett Smelter Site, Lowland Area Everett, Washington	
	Figure 1