

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:

Kitsap Reclamation and Materials, Inc. (KRMI)
Mineral Resource Overlay, Comprehensive Plan Amendment

2. Name of applicant:

Kitsap Reclamation and Materials, Inc.

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

Pat Lockhart
Kitsap Reclamation and Materials, Inc.
3020 Sherman Heights Road
Bremerton, WA 98312
Ph. 360.479.4659

4. Date checklist prepared:

January 28, 2018

5. Agency requesting checklist:

Kitsap County Department of Community Development

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

Staff correction: Determination regarding the proposed Comprehensive Plan site-specific amendment would likely occur by December, 2018.

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

Engineering plans and permit applications for the new mineral resource area would likely be developed in the 2019-2021 period, with final permits and approvals expected approximately 2023.

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

KRMI Mineral Resource Overlay Geologic Report, 2018

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.

None known.

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

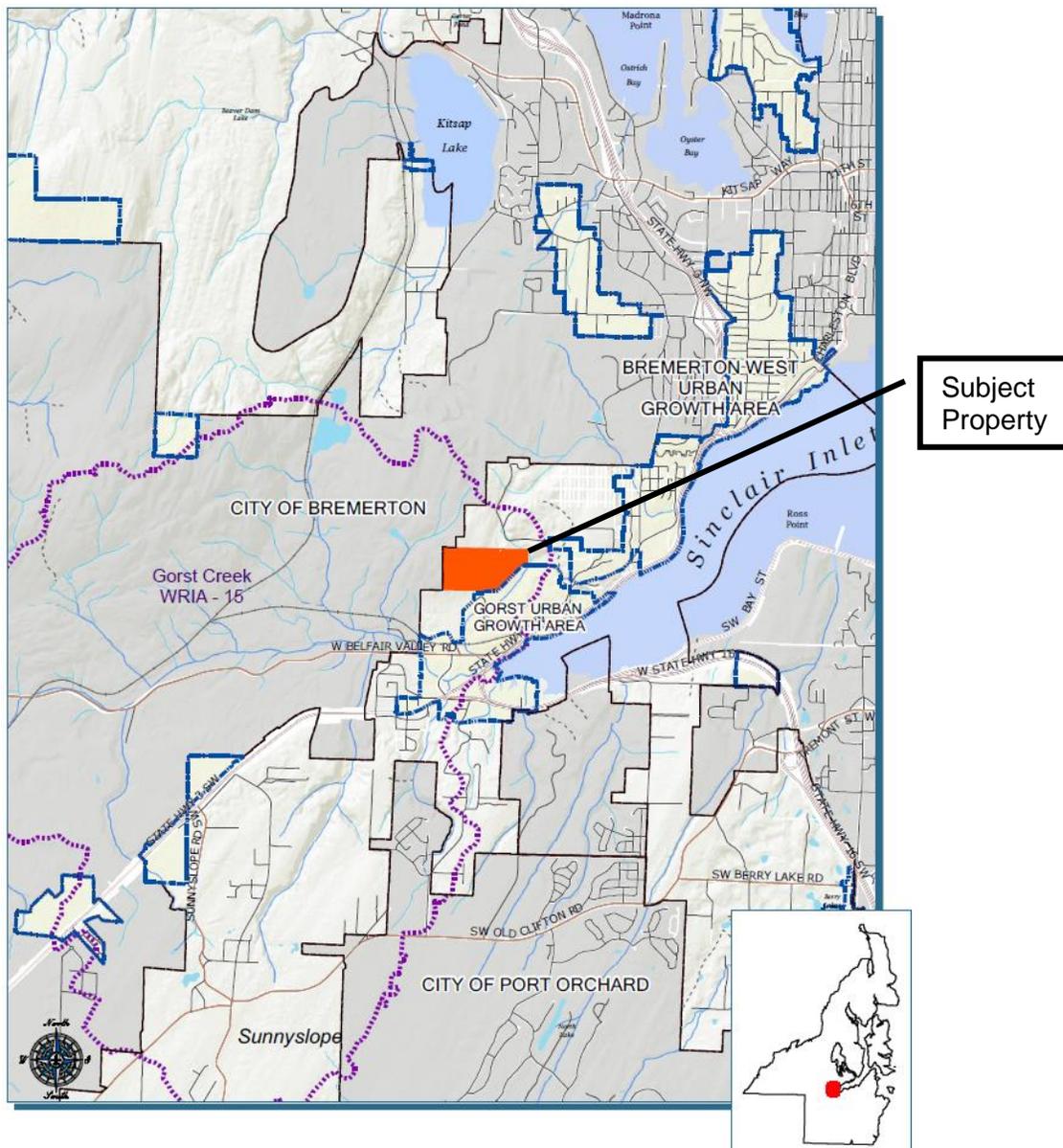
Staff correction: This is a non-project application. Future development activities would require permits and environmental review from Washington Department of Natural Resources and Kitsap County.

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 proposal consists of an amendment to the Kitsap County Comprehensive Plan for a 69-acre Mineral Resource (MR) overlay on two parcels of rural forest property located adjacent to the existing Kitsap Reclamation and Materials, Inc. (KRMI) basalt quarry located in the Gorst vicinity of Kitsap County, Washington.

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

The site is north of Sherman Height Road in Section 29, Township 24 North, Range 1 East, Willamette Meridian.



B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

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

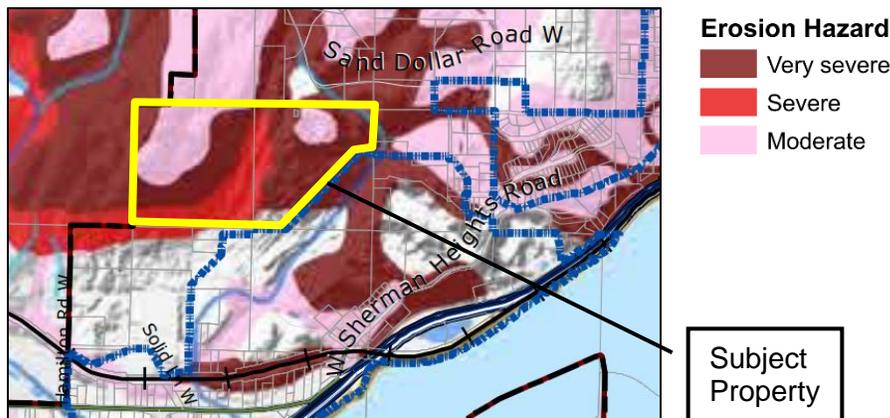
The steepest slopes on the site are approximately 30 percent.

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.

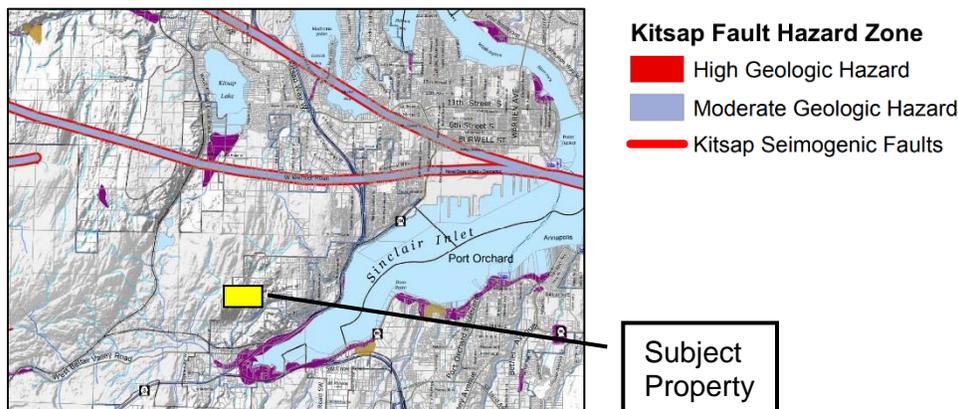
Basalt outcroppings occur throughout the site and typically extends to depths of more than 1,000-ft below the ground surface.

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

No. **Staff correction:** [Kitsap County Erosion Hazard Map dated February 23, 2017](#) identify potentially severe and very severe erosion hazard areas located on the subject site (see map below).



Staff correction: In addition, [Kitsap County Seismic Hazards Map dated February 23, 2017](#) identifies that the site is approximately 1 miles south of a fault line (see below).



- 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.

There is no fill or excavation associated with the MR overlay amendment. Excavation would be associated with a future mine development proposal that would be developed at a later date. The MR overlay area is estimated to contain approximately 1.5 to 2.5 million cubic yards of mineral resources.

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

Yes. Excavation work conducted under the future development of the site would disturb earth and, consequently, there would be a potential for erosion to occur during rainfall.

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

Future development of the MR area may create approximately 0.5-ac of new impervious surfaces associated with a new access road. This new impervious surface represents less than one percent of the total site area.

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

All stormwater runoff would be routed to on-site stormwater facilities that are designed, constructed, and operated in accordance with Kitsap County and NPDES stormwater permit requirements. The design of stormwater BMPs would address requirements for temporary sediment and erosion control during excavation operations, and after all mining phases are completed. A Water Quality Monitoring Plan would be developed and implemented at the site in accordance with NPDES Permit requirements.

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.

Emissions typical at heavy construction sites such as dust and diesel odors would be expected.

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

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

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

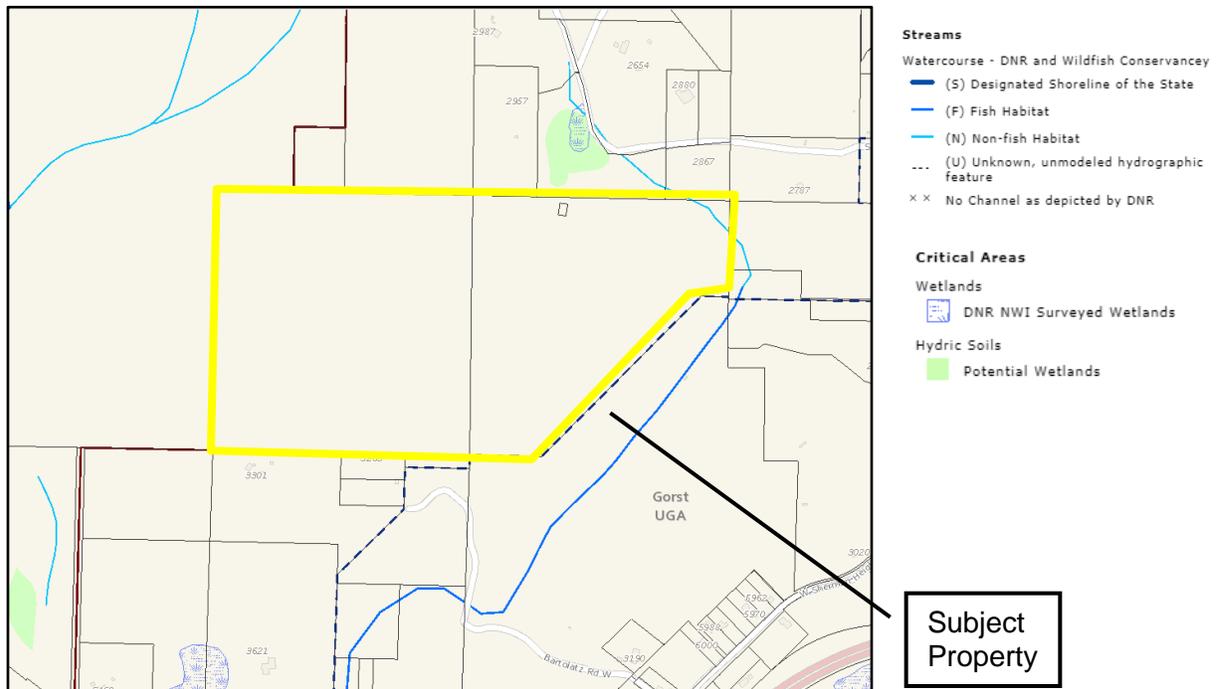
The site would comply with applicable air quality related regulations and guidelines. Unpaved access roads, the excavation area, stockpiles of bulk material would be watered to reduce dust as needed. Belt conveyors would be used to move material within the site in conjunction with trucks and loaders when possible. All equipment would meet current emission standards.

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.

The site is located in the basin of an unnamed independent tributary to Sinclair Inlet that is not known to support salmonids. An intermittent stream and wetland are located adjacent to the site. Because of the intermittent flow, small size, and the separation by culverts to other stream systems, the wetlands and streams adjacent to the site have a low rating for fish habitat. **Staff correction: In addition to the intermittent stream and wetland off-site, according to Kitsap County there is a non-fish habitat stream that is located on the northeast corner of the subject property (see below).**



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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts. Undisturbed natural vegetation within the permanent site buffer areas would be maintained. Following reclamation, the site would be re-vegetated with trees, shrubs and native grasses consistent with the surrounding area.

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.

No .

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.

None .

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

No .

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

No .

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

No .

b. Ground Water: [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 .

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.

None .

c. Water runoff (including stormwater):

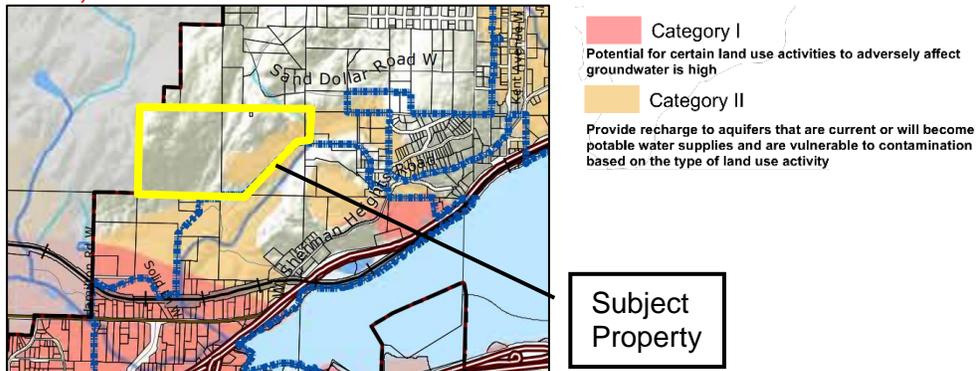
1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater runoff would be generated from precipitation falling on the site. Permanent and temporary ditches, swales, sediment traps and other stormwater best management practices (BMPs) would be used through out the site to provide stormwater collection, conveyance, treatment and control. Stormwater would be treated prior to discharge to the intermittent stream that passes through the site and eventually

discharges to Sinclair Inlet approximately 1 mile downstream. All stormwater would be treated prior to discharge. No stormwater would discharge to Gorst Creek.

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

Contaminants may be introduced into the ground or surface water from mining related activities such as the use of mechanical equipment that uses fuel, oil and lubricants. There is potential for these chemicals to be released to the surface water and shallow groundwater during routine equipment operations and maintenance, or during an accidental spill. The SWPPP that would be prepared for the site would contain BMPs for regular inspection and maintenance of equipment to reduce the potential for contamination of surface water and groundwater. The SWPPP would also include a spill prevention and emergency cleanup plan describing the response procedure to an emergency in case a spill does occur. **Staff correction: Kitsap County Critical Aquifer Recharge Areas Map identifies a Category II Critical Aquifer Recharge Area on the east portion of the subject property (see below).**



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

No.

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

Development of the future mine site would comply with all applicable Kitsap County and state NPDES Stormwater Permit requirements including water quality and quantity control, pollution prevention, spill control, monitoring and BMP operation and maintenance.

4. **Plants** [\[help\]](#)

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

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture

- ____ crop or grain
- ____ Orchards, vineyards or other permanent crops.
- ____ 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?

Existing trees, grass and shrubs would be removed from the site as part of mining and excavation. The majority of the project area is vegetated primarily with shrubs due to recent logging. All natural vegetation in permanent critical area and perimeter property buffers would be preserved.

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

None.

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts. Site re-vegetation would be done as part of reclamation and would consist of grasses, native trees and shrubs. Measures to protect plants include minimizing the amount of vegetative disturbance, and replacing vegetation through site reclamation activities.

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

Himalayan blackberry and Scots Broom.

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: coyote, racoon, rabbit
- fish: bass, salmon, trout, herring, shellfish, other _____

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

None.

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

No. **Staff correction: The Pacific Flyway is a major north-south flyway for migratory birds in America, extending from Alaska to Patagonia. Flyway route stopover sites typically include wetlands, shorelines, or beaches.**

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

Wildlife would be protected by maintaining and protecting the permanent natural vegetation buffer on the perimeter of the site, and by implementing BMPs to control silt or sediment. Mining activities would likely cause wildlife in the immediate vicinity to relocate.

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

None known.

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.

Petroleum products to operate excavation and hauling equipment.

- 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:

None.

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.

Environmental health hazards could result from a spill of fuel and/or oil from operating equipment or released during an accident. **Staff correction: Emissions typical at heavy construction sites such as dust and diesel odors would be expected. In addition, potential future land uses could create noise from potential blasting and crushing operations associated with mineral resource extraction.**

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

None known.

- 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.

None.

- 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.

None. Petroleum storage would occur on the adjacent KRMI quarry site.

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

None.

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

Environmental health hazards that could result from a spill of fuel and/or oil from operating equipment would be addressed within the SWPPP that would be prepared for the site. The SWPPP would include a preventative maintenance plan, a spill prevention and control plan, and specifications for on-site spill containment equipment and emergency reporting procedures that would be implemented in the event of a spill. Equipment accidents would be reduced through conformance with federal Mine Safety and Health Administration (MSHA) and state Labor and Industries safety requirements.

b. Noise

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

None. Noise from the adjacent KRMI quarry would not affect this proposal.

- 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.

Noise would result from heavy equipment, principally excavating equipment and dump trucks. There would be an increase in noise on adjacent properties from initial construction and ongoing mining operations. **Staff correction: The Kitsap County Code (Section 17.170.030) restricts hour of operations to between 7:00 a.m. and 6:00 p.m. unless otherwise authorized by the director.**

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

The future design of the site would help to control noise by ensuring that noise-generating equipment is shielded from adjacent properties by earthen berms, slopes, and natural vegetation. The excavation area would be separated from the majority of adjacent residential properties by existing industrial operations. Berms, slopes, and buffers would be used to help reduce noise to adjacent properties.

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.

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

The proposed MR overlay area is undeveloped brush and trees and is crossed by several roads and electrical power lines. About 90 percent of the existing site has been recently logged.

To the east is the existing KRMI basalt quarry and related activities. Adjacent property to the south and north is generally Industrial (electrical substations) and Rural Protection zoning. The surrounding property to the west is undeveloped forest owned by the City of Bremerton.

- 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?

69-acres of forest land would be converted to Mineral Resource land.

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

No.

- c. Describe any structures on the site.

None.

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

No.

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

Rural Protection. **Staff Correction: This zone promotes low-density rural development and agricultural activities that are consistent with rural character and protects environmental features such as significant visual, historical and natural features, wildlife corridors, steep slopes, wetlands, streams and adjacent critical areas. The subject property contains steep slopes and a non-fish habitat stream and is adjacent to a mapped wetland and fish habitat stream.**

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

Rural Protection.

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

Not applicable.

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

Portions of the site have been classified as Geologic Hazards due to steep slopes.

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

None .

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

None .

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

None .

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

Future mining would occur on a site if it is approved for mineral resource extraction. The site is located in an industrial area with a history of uses including surface mining, utility corridors and industrial activity. The proposed amendment would allow the property to be mined and developed in coordination with the adjacent quarry site resulting in a more efficient use of the site and its mineral resources.

The proposed amendment protects significant rock deposits via the land use designation of mineral resource land. The KRMI quarry is one of only two currently operating basalt quarries in Kitsap County. Kitsap County has few mineral resources that can be economically developed while also being compatible with area land use. This is particularly true for basalt quarries, which are relatively uncommon geologic features in this region.

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

Not applicable. **Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.**

9. **Housing** [\[help\]](#)

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

None .

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

None .

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

None. **Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.**

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?

Not applicable.

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

None.

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

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

Aesthetic considerations would consist of retaining native vegetation in buffer areas, ensuring the proposed facilities are consistent and compatible with adjacent land use, and designing appropriate site reclamation.

11. Light and Glare [\[help\]](#)

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

Light and glare could be produced by equipment operation, primarily during daylight hours. Light and glare could also be produced by traffic on Sherman Heights Road during daylight hours.

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.

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

None. **Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.**

12. Recreation [\[help\]](#)

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

None.

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

No .

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

None . **Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.**

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.

No .

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.

None .

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.

Review of State Department of Archaeology and Historic Preservation on line database.

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.

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

If archaeological remains of any kind are encountered during the project, work would be halted in the immediate vicinity until the significance of the resource could be evaluated by a qualified archaeologist. The Washington State Office of Archaeology and Historic Preservation and local tribal officials (Suquamish) would be consulted to determine an appropriate course of action.

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 site would be accessible from an existing access on Sherman Heights Road.

- 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 proposal would not require public transit. The site is served by a Kitsap Transit bus service in the Gorst vicinity, approximately one mile from the site. **Staff correction: The closest bus stop is on 3rd Avenue West & West Sunn Fjord Lane which is 1-mile (walking distance) north of the subject property.**

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

None.

- 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.

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

Yes. The project site is located near an existing railroad. No railroad use is proposed as part of this proposal.

- 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?

Traffic volumes are expected to remain consistent with current operations since the MR overlay would allow operations to continue for a longer period of time, but would not increase the average daily volume.

Based on existing operations, it is anticipated that approximately 60 truck/trailer trips (30 entering, and 30 exiting) would be generated on average per day with a peak hour estimated volume of about 18 truck/trailer trips (9 entering and 9 leaving). Based on existing operation, the project would generate peak hour trips between 8 AM and 9 AM as trucks stage at the site for the first daily haul.

- 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:

Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.

None. Currently, trucks enter and exit the site from Sherman Heights Road. Truck crossing signs have been installed on both the east and west bound lanes of Sherman Heights Road. In addition, a flashing light has been installed to warn west bound traffic of truck activity.

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.

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

None. **Staff correction: This is a non-project application. Future development activities will require additional permit and environmental review to determine and mitigate impacts.**

16. Utilities [\[help\]](#)

- a. Circle utilities currently available at the site:

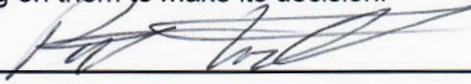
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

- c. 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.

None. Utilities would be provided on the adjacent KRMI quarry site.

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 Pat Lockhart

Position and Agency/Organization Owner, KRMI

Date Submitted: 1-31-18

D. Supplemental sheet for nonproject actions [\[HELP\]](#)

(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?

Discharge to Water: Development of the site that would occur after the MR designation has potential to have discharges to water due to the land disturbing nature of mining operations. This potential is not considered significant however due to the lack of perennial surface water areas on the site and best management practices that would be implemented as described below. Based on existing information, a seasonal intermittent drainage and a wetland are located adjacent to the site.

Air Emissions: Emissions typical at heavy construction sites such as dust and diesel odors would be expected.

Production, Storage or Release of Hazardous Substances: Potentially hazardous substances at the site would consist of petroleum products for operation of machinery. Contaminants therefore have potential to be introduced into the ground or surface water from activities such as the use of mechanical equipment requiring fuel, oil, and lubricants. There is potential for these chemicals to be released to the surface water and shallow groundwater during routine equipment operations and maintenance, or during an accidental spill. However, this type of mining operation is essentially a simple process of loading materials and therefore does not pose a serious risk of introducing contaminants. No petroleum products or other hazardous substances are expected to be stored on the site.

Production of Noise: Noise would result from heavy equipment, principally excavating equipment and dump trucks. There would be an increase in noise on adjacent properties from initial construction and ongoing mining operations. **Staff correction: The potential future land uses could create noise from potential blasting and crushing operations. The Kitsap County Code (Section 17.170.030) restricts hours of operations to between 7:00 a.m. and 6:00 p.m. for land uses with a mineral resource overlay designation.**

Proposed measures to avoid or reduce such increases are:

Under the proposal, all stormwater runoff would be routed to on-site stormwater facilities that are designed, constructed, and operated in accordance with Kitsap County and NPDES stormwater permit requirements. The design of stormwater BMPs would address requirements for temporary sediment and erosion control during excavation operations and after all mining phases are completed. A Water Quality Monitoring Plan would be developed and implemented at the site in accordance with NPDES Permit requirements.

Unpaved access roads, the excavation area, stockpiles of bulk material would be watered to reduce dust as needed. Belt conveyors would be used to move material within the site in conjunction with trucks and loaders when possible. All equipment would meet current emission standards.

The Storm Water Pollution Prevention Plan (SWPPP) that would be prepared for the site would contain BMPs for regular inspection and maintenance of equipment to reduce the potential for contamination of surface water and groundwater. The SWPPP would also include a spill prevention and emergency cleanup plan describing the response procedure to an emergency in case a spill does occur.

The design of the site would help to control noise by ensuring that noise-generating equipment is shielded from adjacent properties by earthen berms, slopes, and natural vegetation. The excavation area would be separated from the majority of adjacent residential properties by existing industrial operations. Berms, slopes, and buffers would help to reduce noise to adjacent properties.

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

The proposal would result in the removal of most vegetation from the site as part of site excavation which would affect wildlife habitat.

Noise from mining activities would likely discourage most wildlife use of the site. The effect to habitat on the site is not expected to be significant based on the absence of streams and wetlands on the site, recent logging and the presence of extensive forest lands that surround much of the property. The habitat value of the site is considered relatively low due to slopes, electrical utility corridors, adjacent industrial activity, and presence of basalt bedrock at or near the soil surface.

The site is located in the basin of an unnamed independent tributary to Sinclair Inlet that is not known to support salmonids. An intermittent stream is located adjacent to the site. Because of the intermittent flow, small size, and the separation by culverts to other stream systems, the wetlands and streams adjacent to the site have a low rating for fish habitat.

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

Buffer areas would be maintained as required by County regulations. Undisturbed natural vegetation within the permanent site buffer areas would be maintained. Buffer areas may be enhanced with a screening berm and native plantings. Following reclamation, the site would be re-vegetated with trees and native grasses consistent with the surrounding area.

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

Petroleum products would be used to operate excavating equipment. Mineral resources would be removed from the site as part of mining activities. Electricity would be used to power the conveyor system.

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

The nature of the project is to remove a natural resource (rock) for beneficial use.

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?

Not applicable. As described in (2) above, there is no critical habitat for ESA listed fish species on or adjacent to the site.

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

None.

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?

The proposal is not likely to affect land use in the area. The property is located in an area very compatible with mineral resource related activities. The existing quarry has operated immediately adjacent to the site for many years. Adjacent land uses are primarily industrial and rural forest. **Staff correction. Rural residential land uses are also located adjacent to the subject property.**

This proposed mineral resource overlay would provide consistency with the applicants' adjacent operating quarry property and allow the property to be mined and developed in coordination with the adjacent quarry site.

This would result in a more efficient use of the mineral resources available at the site.

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

A detailed Reclamation Plan would be developed consistent with applicable local and state regulations and guidelines. This plan would describe the phased reclamation approach and schedule, topsoil conservation and replacement, erosion and slope stability control, and surface water and groundwater protection plans and facilities. The excavation plan for the site would be designed to shield mining operations from adjacent properties. The reclamation plan for the site would also provide for re-vegetation of mined areas. A permanent undisturbed buffer would be maintained between the site and the property boundary.

The reclamation concept for the site would be designed to provide a finished bottom grade that matches the elevation of the adjacent quarry. This would allow the site to be developed concurrent with or following reclamation of the existing quarry operations. Site reclamation would include re-vegetation of the excavated site to enhance drainage characteristics, control soil erosion, and present an attractive visual appearance. Re-vegetation would likely include planting of native trees, shrubs, and grasses.

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

The site is served by adequate infrastructure to support the proposed use. Site access is from an existing road, and has good access to the regional road system. The site has water service from the City of Bremerton, and can support stormwater facilities. No land use or development activities are contemplated at the site that would generate wastewater. Electrical power is located on the site.

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

Public services and utilities are adequate to serve the proposed use. The existing road approach at Sherman Heights Road is adequate to support the proposed use of the site. No increase in traffic over existing conditions is expected. A traffic study would be conducted if necessary to identify potential impacts and mitigation measures to ensure safe and efficient traffic at the site. A fence would be constructed around the entire site for security control and safety.

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

There are no expected conflicts with local, state, or federal laws or requirements for the protection of the environment.