

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 [Find help answering background questions](#)

1. Name of proposed project, if applicable:

Janke Mooring Buoy

2. Name of applicant:

Derek Janke

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

Applicant: Derek Janke

Address: PO Box 3249
Edmonds, WA 98020

Phone: (206) 380-4021

Contact: Kenny Booth, DCG/Watershed

Address: 750 Sixth Street S
Kirkland, WA 98033

Phone: (425) 650-1320

4. Date checklist prepared:

February 5, 2024

5. Agency requesting checklist:

King County

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

The mooring buoy will be installed during the summer of 2024.

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

None at this time.

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

Janke Eelgrass Survey, DCG/Watershed, August 30, 2023

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.

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

King County – Shoreline Exemption
Corps of Engineers – Section 10 Letter of Permission
WDFW – Hydraulic Project Approval
WA DNR – Aquatic Use Authorization

11. Give a 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 proposed project will install a recreational mooring buoy at the residence. The buoy will be installed at the following coordinates: 47.4535, -122.51287. The buoy will consist of an 18” Taylor Made surface mooring buoy, secured with a chain to a shackle, with a corresponding mid-line float (7” diameter by 15” long) and swivel system near the anchor. It will be anchored with a helical screw anchor into the substrate.

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 located at 16907 Cove Walk SW on Vashon Island (parcel #2623029032). The buoy will be placed at 47.4535, -122.51287.

B. Environmental Elements

1. Earth [Find help answering earth questions](#)

a. General description of the site:

The property is developed with a single-family residence, originally constructed in 1923. A concrete bulkhead is situated just west of the residence. The shoreline area consists of typical substrate, with eelgrass present beginning between 70 and 125 waterward of the bulkhead.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

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

The steepest slope on-site is <15 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.

According to the Natural Resources Conservation Service (NRCS), general soils found in the project area include Coastal beaches (Cb).

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

None that are known.

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.

No filling or excavation activities are proposed.

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

No.

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

No impervious surfaces are being added or removed as part of this proposal.

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

No measures are necessary - the buoy will be installed by hand by a diver using a helical screw anchor.

2. Air [Find help answering air questions](#)

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.

The buoy will be installed by hand by a diver using a helical screw anchor. Thus, no emissions are expected to result from the installation of the buoy. Following project completion, emissions are expected to be equivalent to pre-existing conditions.

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

Off-site emissions include those typical of a semi-rural residential neighborhood and are not anticipated to affect the proposal.

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

No measures are necessary.

3. Water [Find help answering water questions](#)

a. Surface Water: [Find help answering surface water questions](#)

- 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, Colvos Passage, a Shoreline of the State.

- 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 will require in-water work. The buoy will be installed by hand by a diver using a helical screw anchor.

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

No fill or dredge material will be placed in or removed from surface water or wetlands as a result of this proposal.

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

No, the proposal will not require surface water withdrawals or diversions.

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

Yes, the project area includes 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 proposal does not involve any discharge of waste materials to surface waters.

b. Ground Water: [Find help answering ground water questions](#)

- 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 a general description, purpose, and**

approximate quantities if known.

No groundwater will be withdrawn from a well for drinking or other purposes.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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 from septic tanks or other sources.

c. Water Runoff (including stormwater):

- a) 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 proposal will not change or increase the surface runoff from the site.

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

No new sources of runoff are proposed. Runoff quantities and flow patterns will not change.

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

The proposal will not alter or affect existing drainage patterns in the vicinity of the site.

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

No measures are necessary.

4. Plants [Find help answering plants questions](#)

- 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?

No vegetation will be altered or removed as part of this proposal.

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

No threatened or endangered plant species are known to be on or near the site.

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

The proposed project will comply with the Puget Sound Nearshore Habitat Calculator, as developed by the federal fisheries services. The use of the calculator indicates that the applicant will provide one (1) conservation credit (payment of a fee) in order to compensate for impacts associated with the new mooring buoy. The conservation credit is intended to ensure that the project will result in no net loss of shoreline ecological functions. Payment of the conservation credit fee will be coordinated directly with the U.S. Army Corps of Engineers, as part of their permit authorization process.

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

None.

5. Animals [Find help answering animal questions](#)

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

Examples include:

- **Birds:** hawk, heron, eagle, songbirds, other:
- **Mammals:** deer, bear, elk, beaver, other:
- **Fish:** bass, salmon, trout, herring, shellfish, other:

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

The project area lies within the geographic range of four federally-listed species, including Puget Sound Chinook, Coastal-Puget Sound bull trout, Puget Sound steelhead, and Southern Resident killer whale.

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

Yes, the site is within the Pacific Flyway migration route. Migrating birds may use the area during spring and fall migrations.

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

The proposed project will comply with the Puget Sound Nearshore Habitat Calculator, as developed by the federal fisheries services. The use of the calculator indicates that the applicant will provide one (1) conservation credit (payment of a fee) in order to compensate for impacts associated with the new mooring buoy. The conservation credit is intended to ensure that the project will result in no net loss of shoreline ecological functions. Payment of the conservation credit fee will be coordinated directly with the U.S. Army Corps of Engineers, as part of their permit authorization process.

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

No invasive animal species are known to be on or near the site.

6. Energy and Natural Resources [Find help answering energy and natural resource questions](#)

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

The proposed project will not require energy.

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

No, the project will not affect the use of solar energy by adjacent properties.

3. 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 measures are necessary.

7. Environmental Health [Find help with answering environmental health questions](#)

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

No environmental health hazards are expected to occur as a result of this proposal.

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

No on-site contamination is known from past or present uses.

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.

No hazardous chemicals/conditions are present that would affect project implementation.

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

No toxic or hazardous chemicals will be stored, used, or produced as a result of this project.

4. Describe special emergency services that might be required.

No special emergency services are anticipated.

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

No measures are necessary.

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 the project area is limited to residential vehicular traffic along the upland road. Such noise 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)?

Noise is not expected to result from the proposed project. The buoy will be installed by hand by a diver using a helical screw anchor.

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

Any noise generated will be limited to normal daytime hours pursuant to KCC 12.86.

8. Land and Shoreline Use [Find help answering land and shoreline use questions](#)

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 currently occupied by a single-family residence. Properties to the north, south, and east are residentially developed. The proposal will not affect current land uses.

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 because 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 site has not been used as working farmland or working forest land in the recent past.

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.

Existing structures on-site include a single-family residence.

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

No.

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

The site is currently zoned RA-2.5.

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

The comprehensive plan designation of the site is rural area 2.5-10 ac/du.

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

Residential Shoreline.

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

Yes, Colvos Passage (Puget Sound) is a Type S aquatic area, per King County Code 21A.24.

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

N/A

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

N/A

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.

No measures are necessary. The project is compatible with existing and projected land uses and plans.

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

None proposed. The proposal does not impact nearby agricultural and forest lands.

9. Housing [Find help answering housing questions](#)

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

N/A

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. No measure are necessary.

10. Aesthetics [Find help answering aesthetics questions](#)

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

N/A. No structures are proposed.

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

No views will be altered or obstructed.

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

N/A. No measures are necessary.

11. Light and Glare [Find help answering light and glare questions](#)

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

N/A. The proposal will not produce any light or glare.

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?

No off-site light sources will affect the proposal.

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

N/A. No measures are necessary.

12. Recreation [Find help answering recreation questions](#)

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

Water-based recreational opportunities exist in the project area.

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

No, the project will not displace any existing recreational uses.

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

No measures are necessary.

13. Historic and Cultural Preservation [Find help answering historic and cultural preservation questions](#)

- 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.**

According to the Department of Archaeology and Historic Preservation's (DAHP) Washington Information System for Architectural and Archaeological Records Data (WISAARD) website, no places or objects are known to be located within the vicinity of the project area.

- 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 such landmarks, features, or other evidence is known to be on or near the site.

- 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.**

The Department of Archaeology and Historic Preservation's (DAHP) Washington Information System for Architectural and Archaeological Records Data (WISAARD) was consulted to assess the potential for impacts to cultural and historic resources near 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.**

In the unlikely event that historic, archaeological, scientific, or culturally significant items are encountered during restoration activities, work would be temporarily halted while the appropriate agencies are notified.

14. Transportation [Find help with answering transportation questions](#)

- 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 property is accessible via Cove Walk SW.

- 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 site and geographic area is not serviced by public transit.

- c. 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 project will not require any new improvements to existing infrastructure.

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

The project will not occur in the immediate vicinity of rail or air transportation. The project will occur in Colvos Passage (Puget Sound) and thus, within proximity to water-based means of transportation.

- e. 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?**

No additional vehicular trips will be generated by the completed project.

- f. 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 proposal will not interfere with the movement of agricultural or forest products.

- g. Proposed measures to reduce or control transportation impacts, if any.**

No measures are necessary.

15. Public Services [Find help answering public service questions](#)

- 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 result in an increased need for public services.

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

No measures are necessary.

16. Utilities [Find help answering utilities questions](#)

- 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 or needed for this project.

C. Signature [Find help about who should sign](#)

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.

X 

Type name of signee: Kenny Booth, AICP

Position and agency/organization: Applicant's Agent

Date submitted: 2/5/2024

D. Supplemental sheet for nonproject actions [Find help for the nonproject actions worksheet](#)

IT IS NOT REQUIRED to use this section 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.



Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e)			Lifespan Emissions (MTCO2e)
			Embodied	Energy	Transportation	
Single-Family Home.....	0		98	672	792	0
Multi-Family Unit in Large Building	0		33	357	766	0
Multi-Family Unit in Small Building	0		54	681	766	0
Mobile Home.....	0		41	475	709	0
Education		0.0	39	646	361	0
Food Sales		0.0	39	1,541	282	0
Food Service		0.0	39	1,994	561	0
Health Care Inpatient		0.0	39	1,938	582	0
Health Care Outpatient		0.0	39	737	571	0
Lodging		0.0	39	777	117	0
Retail (Other Than Mall).....		0.0	39	577	247	0
Office		0.0	39	723	588	0
Public Assembly		0.0	39	733	150	0
Public Order and Safety		0.0	39	899	374	0
Religious Worship		0.0	39	339	129	0
Service		0.0	39	599	266	0
Warehouse and Storage		0.0	39	352	181	0
Other		0.0	39	1,278	257	0
Vacant		0.0	39	162	47	0

Section II: Pavement.....

Pavement.....		0.00				0
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Total Project Emissions:

0

Data entry fields