

# 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**

1. Name of proposed project, if applicable:

[2015 Critical Areas Ordinance Update \(Part of the Growth Management Periodic Update\).](#)  
**This checklist has been updated to include evaluation of adding a Development Code Amendment to allow development in the Very High Risk Hazard Area.**

2. Name of applicant:

City of Shoreline

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

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4. Date checklist prepared:

July 10, 2015  
Revised on September 10, 2015

5. Agency requesting checklist:

City of Shoreline

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

Community Conversations: May 5 and May 14  
Planning Commission Study Sessions: May 21, June 4, June 18, July 16, and August 6  
Planning Commission Public Hearing: September 17  
City Council Study Session: October 5 & 12  
City Council Adoption: October 26  
Delayed Effective Date: January 1, 2016

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

The City will continue to evaluate the CAO on a yearly basis and proposed changes if conditions or policies warrant a change.

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

The City used the following information for the 2015 CAO update:

Wetlands – The City used Best Available Science (BAS) guidance documents from the Washington State Department of Ecology (updated 2013) and the 2014 update of the DOE Wetland Ratings System. Specific BAS documents consulted for the proposed changes to the wetlands regulations in the CAO and SMP include:

*Corps of Engineers Wetlands Delineation Manual, Wetlands Research Program Technical Report Y-87-1, January 1987 – Final Report.* US Army Corps of Engineers Waterways Experiment Station.

*Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0), May 2010, Publication ERDC/EL TR-10-3.* US Army Corps of Engineers, Engineering Research and Development Center, Wetlands Regulatory Assistance Program.

*Update on Wetland Buffers: The State of the Science, Final Report, October 2013.* Washington State Department of Ecology, Publication #13-06-11.

*Washington State Wetland Rating System for Western Washington: 2014 Update, October 2014*

– *Effective January 2015*. Washington State Department of Ecology, Publication #14-06-029.

*Wetlands & CAO Updates: Guidance for Small Cities, Western Washington Version, October 2012*. Washington State Department of Ecology, Publication #10-06-002, 2<sup>nd</sup> Revision.

*Wetlands in Washington State – Volume 1: A synthesis of the Science*. Washington State Department of Ecology, Publication #05-06-006.

*Wetlands in Washington State – Volume 2: Guidance for Protecting and Managing Wetlands*. Washington State Department of Ecology, Publication #05-06-008.

*Wetland Mitigation in Washington State – Part 1: Agency Policies and Guidance – Version 1, March 2006*. Washington State Department of Ecology Publication # 06-06-011a.

*Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans (Version 1), March 2006*. Washington State Department of Ecology Publication No. 06-06-011b.

Fish & Wildlife Habitat Conservation Areas and Streams – The City used the State of Washington example code for fish and wildlife habitat standards and incorporated the State Water Typing System. Specific BAS documents reviewed for the proposed changes to the fish and wildlife habitat conservation areas and streams subchapters in the CAO and SMP include:

CTED. (Washington State Department of Community, Trade, and Economic Development). 2007. *Critical Areas Assistance Handbook: Protecting Critical Areas within the Framework of the Washington Growth Management Act*.

EDAW Inc. 2004. *The City of Edmonds 2004 Best Available Science Report*.

ESA. November 2014. *Critical Areas Ordinance Update – Review of Stream Inventory Memorandum*, prepared for the City of Federal Way.

ESA. March 2015. *Final City of Edmonds Critical Areas Ordinance Update: Best Available Science Addendum*.

The Watershed Company. October 2011. *Burien Comprehensive Plan Update: Best Available Science Review*.

The Watershed Company. June 2012. *Burien Comprehensive Plan Update: Critical Areas Ordinance Gap Analysis*.

Washington State Department of Ecology (Ecology). 2013. *Funding Guidelines: State Fiscal Year 2015 – Water Quality Financial Assistance, Appendix L – Riparian Restoration and Planting*. Ecology Publication No. 13-10-041.

Geologic Hazard Areas - The City contracted with a qualified geotechnical engineer, Todd Wentworth, of AMEC Foster Wheeler, to provide the City with a review of BAS and recommended code changes to incorporate both BAS and best practices for regulating development in and near geologic hazard areas. Specific BAS documents consulted for the proposed changes to the geologic hazard area regulations in the CAO and SMP include:

CTED. (Washington State Department of Community, Trade, and Economic Development). 2007. *Critical Areas Assistance Handbook: Protecting Critical Areas within the Framework of the Washington Growth Management Act*.

Washington State Department of Licensing. 2006. *Guidelines for Preparing Engineering Geology Reports in Washington*.

Wentworth, Todd. May 29, 2015. *Shoreline Geologic Hazards – Best Available Science*.

Memorandum to City of Shoreline from AMEC Foster Wheeler.

Flood Hazard Areas – The City of Shoreline recently updated the flood hazard areas subchapter of the CAO to incorporate BAS in 2012 which were also incorporated into the SMP in 2013. The proposed changes to the SMP would delete duplicate regulations. Specific BAS documents used during the 2012 update of the flood hazard areas regulations included:

FEMA (Federal Emergency Management Agency) – Region 10. January 2010.  
Floodplain Management and the Endangered Species Act: A Model Ordinance.

Aquifer Recharge Areas – The City reviewed available BAS from neighboring jurisdictions to confirm the extent of the critical aquifer recharge areas used for public drinking water supply including:

Lake Forest Park Water District . Draft Comprehensive System Plan (Part 5 - Source Protection Program). April 2015.

Update: The City used a supplementary memo from Todd Wentworth of AMEC Foster Wheeler to further substantiate the basis for allowing development in the Very High Risk Landslide Hazard Area.

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.

The City processes land use and building permits on an ongoing basis which may include impacts to critical areas. Permits will be processed under the current CAO until new regulations are adopted and go into effect.

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

State approval needed for Shoreline Master Program changes to go into effect.

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 State of Washington GMA establishes state goals, sets deadlines for compliance and offers direction on how to prepare local comprehensive plans and development regulations and requirements for early and continuous public participation. The GMA requires state and local governments to manage Washington's growth by identifying and protecting critical areas and natural resource lands, designating urban growth areas, preparing comprehensive plans and implementing them through capital improvements and development regulations. Plans and regulations required under the GMA must be periodically updated and this update of the City's CAO is the last step in the current update cycle.

The proposed amendments will update the City's CAO based on best available science. The City's CAO was last updated in 2006. The City's proposal would also incorporate the updated CAO into the adopted SMP through limited amendment and remove duplicate regulations in the SMP for flood hazard areas and wetlands. Minimal amendments are also proposed to

other Title 20 chapters to remove outdated terms, update references to the CAO for consistency, and incorporate cross references to the CAO.

**Update:**

Planning Commission directed staff to provide an alternate amendment to the development standards for landslide hazard areas (SMC 20.80.224). This alternative was presented at the August 20 Commission meeting and Commission asked that Alternative 1, allowing for development in Very High Risk Landslide Hazard Areas be incorporated. Staff recommends modifying this alternative to include additional design standards and review requirements that would only apply to modification of Very High Risk Landslide Hazard Areas to minimize potential risks, rather than all landslide hazard areas. Specific language for neighborhood meeting, liability waiver, special inspections, and special contractor bonding were added to provide additional transparency, as well as assurances against increased risk when a landslide hazard area is modified.

There is a range of Best Available Science (BAS) for geologic hazards which amendments can draw from. The threat from some geologic hazard areas can be reduced or mitigated by engineering, design, or modified construction practices so that risks are minimized. State law does not specifically prohibit development on any type of geologic hazard areas, including steep slopes. The GMA tasks the City with deciding the level of public safety risk which is acceptable within the City. Generally speaking, under the public duty doctrine, the City cannot be found liable for merely permitting development in its jurisdiction. It is the property owner and their geotechnical engineer that may be liable for failure of a slope and property damage.

Commission directed staff at the August 20 meeting to revise the draft ordinance to allow for alteration of Very High Risk Landslide Hazard Areas. Staff supports this recommendation with the accompanying provisions that require a neighborhood meeting, liability waiver, special inspections, and special contractor bonding as well as third party review of the project in SMC 20.80.224(G). Staff especially needs the expertise of the third party reviewer to ensure that the geotechnical analysis submitted meets the standards of Code in Very High Risk Landslide Hazard Areas where risk may be elevated. The standards proposed are consistent with current standards of practice and the regulations are similar to those applied in other cities in the region where alteration of Very High Risk Landslide Hazard Areas are allowed.

The clarification of a distinct topographic break is needed for determining what level of design standards and review will apply to a proposed project that alters a landslide hazard area. This becomes really important as it will identify which projects will occur in Very High Risk Landslide Hazard Areas. Without a clear and consistent way to measure distinct topographic breaks discrepancies could arise where an applicant's geotechnical engineer concludes that a project is not located in a Very High Risk Landslide Hazard Area based on an alternate

means of determining a distinctive break. Under the current proposal with recommended staff modifications, development is allowed in the Very High Risk Landslide Hazard Area the City just needs additional information and the expertise of a third party reviewer to confirm the applicant's geotechnical professional's opinion. A supplementary memo, from Todd Wentworth of AMEC Foster Wheeler, will be provided in the desk packet for the public hearing that further substantiates the basis for defining a distinct break based on the minimum possible buffer width for Very High Risk Landslide Hazard Areas.

In addition to adding the alternate language as directed by Planning Commission, the revised draft regulations include additional changes to the geologic hazard critical area report requirements and mitigation standards and requirements to eliminate redundancy with the proposed general provisions.

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 updated CAO regulations will apply citywide, including the shoreline jurisdiction regulated under the SMP. The City contains numerous critical areas including wetland, landslide hazard areas, streams, wildlife habitat, and floodplains to which the proposed regulations will apply.

## **B. ENVIRONMENTAL ELEMENTS**

### **1. Earth**

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other treed, urban, paved, developed

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

The City contains areas of slopes over 40 percent in some areas, especially on the western most and eastern most portions of the City.

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.

Recent geologic mapping of King County (Booth and Wisher, 2006) identifies the City as being underlain primarily by glacially derived or glacially overridden soils.

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

Areas of past landslide activity within the City of Shoreline occur predominantly along the western perimeter of the City, where the highlands descend to Puget Sound, or within steeply incised natural drainages, such as Boeing and McAleer Creeks.

- 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.

This proposal is not site specific.

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

To address erosion and sedimentation impacts, grading and stormwater codes of agencies and municipalities require preparation of a SWPPP before permits which include land disturbing activities are issued. Such plans are prepared based upon the requirements of the adopted Surface Water Design Manual. If the area of ground disturbance exceeds one acre, then a National Pollutant Discharge Elimination System (NPDES) permit is also required. Projects seeking NPDES permit coverage typically conform to the conditions of the Department of Ecology's (Ecology) Construction Stormwater General Permit (CSWGP), which include implementation of a SWPPP and protocols for monitoring site discharges for compliance with water quality standards. Additional seasonal best practices and possible surface water monitoring may be required where erosion hazard potential is identified as posing a significant risk to surface waters.

Minimum requirements and best management practices (BMPs) for SWPPP s are established by the Washington State Department of Ecology in the *Stormwater Management Manual for Western Washington* (Stormwater Manual; Ecology, 2012); municipalities typically adopt these minimum requirements and BMP design standards, or their equivalents, as part of their stormwater management requirements for site development. The City of Shoreline has adopted the Stormwater Manual and the *Low Impact Technical Guidance Manual for Puget Sound* (LID Manual; Washington State University and Puget Sound Partnership, 2012). The City also encourages the use of emerging technologies that are part of the Washington Department of Ecology's Technology Assessment Protocol (TAPE). These BMPs, together with the erosion and sedimentation control BMPs of the Stormwater Manual, constitute the BAS for prevention of erosion and the treatment of sediment-laden runoff.

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

This is a non-project action. The City has regulations about how much a particular site may be covered by buildings and hardscape. These regulations are adjusted based on the particular zoning of a parcel.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

**Recommended Changes to the Critical Areas Code, Geologic Hazards**

<b>Code</b>	<b>Recommended Changes</b>	<b>Reasons</b>
20.20.022(G) Definitions	Revise the definition of Geologist to: Professional geologist licensed in the State of Washington	Geologists are now licensed by the State for the purposes of providing the services described in this CAO. Requiring studies by licensed geologists and engineers utilizes BAS.
20.20.046(S) Definitions	Delete the definition of Steep Slope Hazard Areas in this section.	Term not used anywhere else in the Code; top and toe of slope defined in Critical Area chapter.
20.80.030 Exemptions	Delete the exemption for small steep slopes up to 20 feet high.	Landslides have been documented on slopes less than 20 feet high.
20.80.040(A)(2) Partial Exemptions	Revise this to say structural modifications may be allowed based on recommendations from a site specific study of the potential for critical area impacts.	The current exemption increases the impact to the critical area buffer without mitigation.
20.80.220	Insert the slope definition here where Landslide Hazard Areas are classified. Revise to define "distinct topographic break."	The current definition of steep slopes does not provide a measurable way to determine a "distinct topographic break" in the slope. A precise definition is needed in order to determine the critical area and buffer locations.
20.80.220 (B) Seismic Hazard Areas	Update the definition and data source for the map to be consistent with Palmer et al., 2004.	Using the updated map will represent BAS and provide a clear definition of a seismic hazard area.
20.80.224(C), (D), and (E)	Allow development in Very High Risk Landslide Hazard Area.	Special requirements including third party review, liability waivers, inspections, and bonding.

**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.

This is a non-project action so this question does not apply. The City has regulations to control the amount of emissions being released into the air.



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

This is a non-project action so this question does not apply.

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

This is a non-project action so this question does not apply.

### 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.

This proposal is not site specific. The City of Shoreline has numerous streams, lakes, ponds and wetlands within the city's boundaries and is directly adjacent to the Puget Sound to the west.

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

The City allows development adjacent to the above described waters. The proposed CAO and SMP updates will also allow development activities in the buffers of the above described waters.

Buffers are additional land areas used to protect critical areas from the impacts of development. The size of buffers for fish and wildlife habitat conservation areas depends on the sensitivity of the habitats and species identified as well as the intensity of the development activities proposed.

The proposed buffer requirements for fish and wildlife habitat areas are not explicit as they depend on the specific management recommendations from the Washington State Department of Fish and Wildlife for the identified priority habitats and species or protection requirements for threatened or endangered species.

Stream buffer standards proposed here are basically the same as existing in SMC 20.80.480. The buffer requirement for Type Ns is slightly higher than the current standard buffer for Type IV streams because BAS indicates that stream buffers become ineffective at less than 33 feet (The Watershed Company, 2011). The higher standard buffer allows for a 25 percent reduction for buffer averaging without going below 33 feet wide. Other buffer widths are not proposed to be changed as they appear to be consistent with the recommendations in BAS memos for other jurisdictions in the regions as feasible in urban areas.

Proposed buffer widths for wetlands are based on the current SMP buffer regulations with revisions to incorporate the 2014 Update of the Wetland Rating System. Variations in the buffers apply if mitigations are not implemented or if the buffer is not sufficiently vegetated already to protect the wetland.

The main change regarding buffers is allowing for buffer averaging with enhancement

instead of full buffer reductions down to a minimum. This allows for flexibility where the native vegetation buffer is located, but requires that the total area of the buffer is not reduced. This is the same as provisions proposed for wetlands and will result in some properties needing to go through the critical area reasonable use permit process for development within the standard buffer. A new provision is proposed to allow for development in buffer areas that are physically separated and functionally isolated from the wetland. These are standard required buffer areas that are interrupted by roads or buildings with the result that they cannot protect the functions of the wetland even if they are enhanced (Publication #05-06-008). The proposed provision would allow for exclusion of these areas from being designated as buffer with demonstration from a qualified professional that they are in fact functionally isolated from the wetland or stream.

- 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.

Does not apply.

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

Does not apply.

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

There are a number of 100-year floodplains identified and recently updated through the map amendment process in the City of Shoreline including the coastal flood zones, Thornton Creek basin floodplain areas and Boeing Creek floodplain areas. The flood hazard area standards were previously updated in 2012 for compliance with FEMA requirements to incorporate Endangered Species Act and BAS into the City's floodplain regulations. These updated floodplain regulations are addressed in SMC 13.12 and included by reference in the CAO. These regulations were also incorporated into the SMP in 2013, but additional standards for floodplains were included in the SMP that are duplicative and are proposed to be deleted with this update.

- 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.

Does not apply.

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.

Does not apply. The water districts that serve the City of Shoreline do not use groundwater to supply potable water to the City. Additionally, no adjacent jurisdiction has identified critical aquifer recharge areas within the City of Shoreline limits that supply public drinking water at this time.

- 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.

Does not apply.

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.

Does not apply.

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

Does not apply.

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

Does not apply.

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

Does not apply.

#### 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

X water plants: water lily, eelgrass, milfoil, other  
X other types of vegetation

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

Does not apply.

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

Does not apply. The City of Shoreline is home to a number of priority species. Proposed regulations starting with SMC 20.80.260 address wildlife habitat and is based on BAS from the State. No threatened, endangered, or sensitive plant species are known to occur within the City of Shoreline.

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

SMC 20.80.280 addresses buffer areas, SMC 20.80.290 addresses alteration of buffer areas and SMC 20.80.300 addresses mitigation performance standards and requirements. Critical areas and their buffers are generally required to be maintained as undisturbed native vegetation. Where existing vegetation is disturbed enhancement may be required to mitigate proposed development impacts. Specific vegetation protection and enhancement standards are included in the proposed geologic hazard areas, wetlands, and fish and wildlife habitat conservation areas subchapters.

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

Does not apply. Most if not all noxious weeds and invasive species known to occur within King County are present within the City of Shoreline. The proposed CAO and SMP changes facilitate landowner maintenance and stewardship of critical areas by allowing for small scale invasive species control without requiring expensive critical area reports, financial guarantees, and monitoring if best practices are followed on a limited scale.

## 5. Animals

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

Examples include:

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

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

This is a nonproject action. Does not apply. Federal and state designated endangered, threatened, and sensitive animal species known to occur within the City of Shoreline include:

Chinook (*Oncorhynchus tshawytscha*);  
Coho (*Oncorhynchus kisutch*);  
Northern goshawk (*Accipiter gentilis*);  
Osprey (*Pandion haliaetus*);  
Purple martin (*Progne subis*);

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

The proposed updates to the fish and wildlife habitat conservation areas subchapter of the CAO and SMP include specific measures to preserve or enhance wildlife. The proposed changes strengthen incorporation of the State Priority Habitat and Species list and management recommendations and incorporate the State Water Typing System to better protect fish habitat.

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

This is a nonproject action. Does not apply.

## 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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:

This is a nonproject action. Does not apply.

## 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

- 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.

This is a nonproject action. Does not apply.

- 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

b. Noise

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

This is a nonproject action. Does not apply.

- 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

## 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.

This is a nonproject action. Does not apply.

- 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?

This is a nonproject action. Does not apply.

- 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:

This is a nonproject action. Does not apply.

- c. Describe any structures on the site.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

## 9. Housing

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

## 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?

This is a nonproject action. Does not apply.

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



This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

### 11. Light and Glare

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

### 12. Recreation

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

### 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.

This is a nonproject action. Does not apply.

- 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.

This is a nonproject action. Does not apply.

- 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. [h

This is a nonproject action. Does not apply.

- 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.

#### 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.

This is a nonproject action. Does not apply.

- 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?

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

- 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).

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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?

This is a nonproject action. Does not apply.

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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

**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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

**16. Utilities**

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

This is a nonproject action. Does not apply.

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.

This is a nonproject action. Does not apply.

**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 \_\_\_\_\_

Position and Agency/Organization \_\_\_\_\_

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?

The proposal would be unlikely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise. The proposal seeks to update Shoreline's CAO and SMP to comply with State guidelines on adopting regulations that use BAS and protect the City's environmentally sensitive areas.

Proposed measures to avoid or reduce such increases are:

The City will comply with the State Department of Ecology, Fish and Wildlife, Department of Natural Resources, and qualified expert analysis to draft regulations that protect the environment while providing opportunities for development.

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

The proposal seeks to protect plants, animals, fish, and marine life by drafting regulations that more fully address buffers, mitigation measures, alteration of sensitive areas, and relations of landslide hazard areas.

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

SMC Chapter 20.80, Subchapter 3 (20.80.260 through 20.80.300) addresses fish and wildlife habitat conservation areas (including streams) and SMC Chapter 20.80, Subchapter 4 (20.80.310 through 20.80.360) addresses wetlands. Both of these subchapters require buffers from these critical areas as well as ways to mitigate impacts when development occurs around a critical area.

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

The proposed regulation will not deplete natural resources but instead lists ways to better conserve natural resources.

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

The proposed regulations in SMC Chapter 20.80 protect natural resources by using BAS and expert opinion to regulate critical areas.

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?

This proposal seeks to update rules regarding what an applicant may do when a wetland, fish and wildlife habitat, and geologic hazard area is in close proximity to a development proposal, including areas within the shoreline jurisdiction.

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

The proposed regulation in SMC 20.80 will update the City's CAO by the following:

- Improving standards for Critical Area reports and hazards assessment.
- Updating definitions of geologic hazard types for consistency with best available science and to eliminate redundancy. **Update regulations to allow development in Very High Risk Landslide Hazard Areas with greater scrutiny.**
- Transferring the wetlands regulations from SMP into the Critical Areas Chapter.
- Changing wetland rating standards to be consistent with DOE 2014 *Update of the Wetland Rating System for Western Washington*.
- Combining Streams with Fish & Wildlife Habitat section based on State model code provisions.
- Updating standards based on State recommendations, including adoption of State Water Typing System.
- Clarifying allowed activities and exemptions for all critical area types.
- Improving standards for Critical Area reports.
- Incorporating proposed CAO updates into the SMP for consistency with BAS.

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 City updated the Shoreline Management Program in 2012. While not currently required, the City proposed to incorporate the updated CAO into the SMP and to delete duplicative regulations for environmentally sensitive areas within the shoreline jurisdiction.

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

There are no measures in this proposal to avoid or reduce shoreline and land use impacts.

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

This proposal will not increase demands on transportation or public services and utilities.

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

There are no measures to reduce or respond to such demands.

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

This proposal relies on BAS from Washington State Department of Fish and Wildlife, Department of Ecology, Department of Natural Resources and BAS reviews by qualified experts.. None of the proposed regulations are in conflict with local, state, or federal laws.