

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Sultan River Pedestrian/Bicycle Bridge Project

2. Name of applicant:

City of Sultan

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

Mick Matheson, Public Works Director

319 Main Street

Sultan, Washington 98294-1199

(425) 583-6528

mick.matheson@ci.sultan.wa.us

4. Date checklist prepared:

April 1, 2014

5. Agency requesting checklist:

City of Sultan

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

Construction for the Project is currently unfunded. Once funding is secured, the Project is anticipated to take approximately 8 months to complete.

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

There are no plans for future additional, expansion, or further activities related or connected with the Project.

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

- Preliminary Engineering Technical Report. Robinson Nobel, Inc. March 2013.
- Sultan River Bridge Preliminary Design Report. WH Pacific, Inc. June 2013.
- Washington State Department of Transportation Environmental Classification Summary form. Anchor QEA, LLC. February 2014.
- Joint Aquatic Resources Permit Application (JARPA). Anchor QEA, LLC. April 2014.
- Cultural Resources Survey. Anchor QEA, LLC. October 2013.
- Biological Assessment. Anchor QEA, LLC. October 2013.
- Wetland and Stream Ordinary High Water Mark Delineation Report. Anchor QEA, LLC. April 2013.
- Critical Areas Report. Anchor QEA, LLC. October 2013.
- Hydraulics Report. Anchor QEA, LLC. May 2013.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No known applications are pending that would affect the property covered by the Project.

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

- Section 404/10 Permit – U.S. Army Corps of Engineers
- ESA Section 7 Consultation – U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS)
- Essential Fish Habitat Concurrence – NMFS
- Section 106 of the National Historic Preservation Act Consultation – Washington State Department of Archaeology and Historic Preservation
- Biological Opinion Compliance – Federal Emergency Management Agency
- 401 Water Quality Certification – Washington State Department of Ecology (Ecology)
- Hydraulic Project Approval – Washington Department of Fish and Wildlife (WDFW)

- Coastal Zone Management Act Consistency Determination – Ecology
- Aquatic Use Authorization or Easement – Washington Department of Natural Resources
- Shoreline Substantial Development Permit – City of Sultan
- Conditional Use Permit – City of Sultan
- Critical Areas Review – City of Sultan

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 purpose of the Project is to construct a new bridge to provide safe passage for pedestrians and non-motorized users, such as bicycles and wheelchairs, across the Sultan River. Currently, the only pedestrian and bicycle connection between downtown Sultan and the portion of Sultan that is west of the Sultan River is an undersized pedestrian walkway on the north side of the existing U.S. Highway 2 (U.S. 2) Bridge. The existing pedestrian and bicycle path is unsafe and does not meet Americans with Disabilities Act (ADA) requirements, including wheelchair accessibility. Both west and eastbound pedestrians and bicycles must share the same narrow path. The path also has a minimal separation between users and highway traffic.

The Project will also accommodate planned growth within Sultan by providing for upgrades to City-owned water and sewer mains. The City water and sewer mains currently cross the Sultan River under the existing U.S. 2 Bridge. The existing lines are at capacity and the bridge cannot accommodate additional or larger lines. A development moratorium will be imposed by the City if additional sewer capacity cannot be realized. The new bridge (as part of the path) will be designed to accommodate upgraded utility lines, including a new water main and a sewer main that will connect all of Sultan with the sewage treatment plant located to the west of Sportsman Park.

The Project will construct a new bridge over the Sultan River with east and west termini connecting to existing roadway shoulders. The western terminus of the Project will be integrated into the U.S. 2 road shoulder. There are two termini on the eastern side of the Project area: one terminus connects with First Street and the second terminus integrates with the U.S. 2 road shoulder in a similar manner to the western terminus.

Specifically, the Project will include the following elements:

- An at-grade west bridge approach matching the current U.S. 2 road shoulder and existing path.

- A new concrete girder pedestrian and bicycle bridge over the Sultan River from Sportsman Park to Sultan River Park.
- Two eastern bridge approaches, connecting to First Street and the U.S. 2 road shoulder.
- Two ADA-accessible parking stalls and one ADA-accessible vault toilet within Sportsman Park. The vault toilet will be placed at the high point in the park. The vault structure will be watertight up to the lip of the commode, approximate elevation 113.0. [The vault toilet will be a CXT Brand, Gunnison Model, as recommended and approved by WDFW for use in areas susceptible to inundation.](#)
- Utilities improvements, including:
 - Relocating existing power and fiber optic lines to accommodate the new bridge and approaches
 - Adding a new water main to the new bridge; the size of the new line will be determined by system modeling but is expected to be at least 12 inches
 - Adding an 8-inch and 12-inch sewer force main along the new bridge to maintain connection between the existing pump station east of the Sultan River to the treatment plant west of the river
 - Removing existing lift station retaining walls and installing new lift station controls, lighting, and lift emergency generator (the lift station structure access will be integrated into the east approach ramp)

The following Best Management Practices (BMPs) will be implemented as part of the Project to reduce or minimize harm to the natural and built environment:

- All applicable permits for the Project will be obtained prior to construction. All work will be performed according to the requirements and conditions of these permits.
- The contractor will be responsible for the preparation and implementation of a Spill Prevention, Control, and Countermeasures (SPCC) plan to be used for the duration of the Project. The plan will be submitted to the Project engineer prior to the commencement of any construction activities. A copy of the plan with any updates will be maintained at the work site by the contractor.
 - The SPCC plan will identify construction planning elements and recognize potential spill sources at the site. The plan will outline responsive actions in the event of a spill or release, and will identify notification and reporting procedures. The plan will also outline contractor management elements such as personnel responsibilities, Project site security, site inspections, and training.

- The SPCC plan will outline which measures the contractor will take to prevent the release or spread of hazardous materials, either found on site or encountered during construction but not identified in contract documents, or any hazardous materials that the contractor stores, uses, or generates on the construction site during construction activities. These items include, but are not limited to, gasoline, oils, and chemicals. Hazardous materials are defined in the Revised Code of Washington (RCW) 70.105.010 under “hazardous substance.”
 - The contractor will maintain at the job site the applicable equipment and materials designated in the SPCC plan.
- Excess or waste materials will not be allowed to enter waters of the State.
 - No petroleum products, fresh cement, lime or concrete, chemicals, or other toxic or deleterious materials will be allowed to enter surface waters.
 - The contractor will be required to retrieve any floating debris generated during construction using a skiff and a net. Debris will be disposed of at an appropriate upland facility.
 - A Temporary Erosion and Sediment Control plan prepared by the contractor and adhered to during construction activities.
 - Demolition and construction materials will not be stored where upland runoff can cause materials to enter surface waters.
 - Cleared areas will be restored by replanting the areas with appropriate native herbaceous and woody species, as practicable.
 - Clearing limits will be demarcated with orange barrier fencing wherever clearing is proposed in or near critical areas.
 - Native trees and shrubs will be planted and maintenance and monitoring procedures followed to ensure proper levels of plant survival and cover.
 - All engine-powered equipment will be required to have mufflers that were installed according to the manufacturer's specifications.
 - All equipment will be required to comply with pertinent U.S. Environmental Protection Agency (USEPA) equipment noise standards.
 - All staging areas will be located outside of streams, wetlands, and their buffers.

See the JARPA (Attachment 1) for more information regarding the Project.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should

submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The Project is located at Sportsman and Sultan River parks in the City of Sultan (Township 27 North, Range 8 East, Section 6); near the confluence of the Sultan and Skykomish rivers (Sheet 1 of Attachment 1). The Project area is bounded by Albion Street to the west, First and Main streets to the east, and U.S. 2 immediately to the south (Sheet 1 of Attachment 1).

B. ENVIRONMENTAL ELEMENTS

1. Earth

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 Project area is relatively flat. The steepest sloped area is the engineered slope of the U.S. 2 right-of-way.

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 prime farmland.

The site generally contains alluvial soils consisting of clean sand, silty sand, silt, gravel, and cobbles (Robinson Noble, Inc. 2013).

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

The site is relatively flat with only localized areas of erosion near the river bank (Robinson Noble, Inc. 2013).

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

The Project will use fill to connect the eastern approach to the bridge. Fill will be either sourced onsite from excavation or hauled in from an approved off-site borrow facility.

Temporary and permanent grading will occur to connect both the western and eastern termini as well as to construct the drill shaft foundations. In addition, a temporary construction access road will be constructed from First Street. Table 1 identifies quantities for filling and grading.

**Table 1
Clearing and Grading**

Temporary Grading (square feet)	Permanent Grading (square feet)	Fill (cubic yards)
14,000	12,200	700

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

Erosion could occur at the site. Areas of exposed soils will be kept to a minimum to reduce the potential for erosion. BMPs will also be used to control erosion and are described further below in section B-1(h).

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

The majority of the Project components will be elevated and surface water will be allowed to sheet flow across the site. The drilled shafts, spread footings, and termini connections will cover only a small portion of the subject property.

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

The following BMPs will be used to control erosion:

- The contractor will be responsible for the preparation and implementation of a SPCC plan to be used for the duration of the Project. The plan will be submitted to the Project engineer prior to the commencement of any construction activities. A copy of the plan with any updates will be maintained at the work site by the contractor.
 - The SPCC plan will identify construction planning elements and recognize potential spill sources at the site. The plan will outline responsive actions in the event of a spill or release, and will identify notification and reporting procedures. The plan will also outline contractor management elements such as personnel responsibilities, Project site security, site inspections, and training.
 - The SPCC plan will outline which measures the contractor will take to prevent the release or spread of hazardous materials, either found on site or encountered during construction but not identified in contract documents, or any hazardous materials that the contractor stores, uses, or generates on the construction site during construction activities. These items include, but are not limited to, gasoline, oils, and chemicals. Hazardous materials are defined in the RCW 70.105.010 under “hazardous substance.”

- The contractor will maintain at the job site the applicable equipment and materials designated in the SPCC plan.
- A Temporary Erosion and Sediment Control plan prepared by the contractor and adhered to during construction activities.
- Cleared areas will be restored by replanting the areas with appropriate native herbaceous and woody species, as practicable.

See Section A-11 for a complete list of Project BMPs.

a. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

The operation of the Project will not result in any additional air emissions. However, there will be a temporary increase in air emissions from construction vehicles and the potential for dust from clearing and grading activities.

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

There no known off-site sources of emission or odor that may affect the Project.

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

The following BMPs will be used to reduce emissions:

- All engine-powered equipment will be required to have mufflers that were installed according to the manufacturer's specifications.
- All equipment will be required to comply with pertinent USEPA equipment noise standards.

See Section A-11 for a complete list of Project BMPs.

3. Water

a. Surface:

- 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 Project spans that Sultan River, which is considered a fish bearing river. There are also two unnamed tributaries (Streams A and B) to the Sultan River and two unnamed wetlands (Wetlands A and B) within the Project area (Anchor QEA 2013a).

- 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 place bridge support piers within 200 feet of all surface waterbodies referenced above. The bridge spans will also cross over the Sultan River and will be adjacent to Streams A and B and Wetlands A and B. However, no in-water work will occur. See Attachment 1 for more details on potential Project effects.

- 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 dredge or fill will be removed or placed in surface waterbodies.

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

The Project does not propose to withdraw or divert surface waters.

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

Yes, the Project occurs within the 100-year floodplain. See Attachment 1 for more Project details.

- 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.

The proposal does not involve any discharge into surface waters.

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Groundwater will not be withdrawn nor will water be discharged to groundwater as part of the Project.

- 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.

Not applicable.

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.

Runoff may collect on the bridge surface and will be allowed to sheet-flow to the Sultan River and along the ground surface below.

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

Waste materials are not expected to enter the ground or surface water. The bridge serves non-motorized uses and therefore is not considered pollution-generating.

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

The following BMPs will be used to control impacts to surface, ground, and runoff water:

- The contractor will be responsible for the preparation and implementation of a SPCC plan to be used for the duration of the Project. The plan will be submitted to the Project engineer prior to the commencement of any construction activities. A copy of the plan with any updates will be maintained at the work site by the contractor.
 - The SPCC plan will identify construction planning elements and recognize potential spill sources at the site. The plan will outline responsive actions in the event of a spill or release, and will identify notification and reporting procedures. The plan will also outline contractor management elements such as personnel responsibilities, Project site security, site inspections, and training.
 - The SPCC plan will outline which measures the contractor will take to prevent the release or spread of hazardous materials, either found on site or encountered during construction but not identified in contract documents, or any hazardous materials that the contractor stores, uses, or generates on the construction site during construction activities. These items include, but are not limited to, gasoline, oils, and chemicals. Hazardous materials are defined in the RCW 70.105.010 under “hazardous substance.”
 - The contractor will maintain at the job site the applicable equipment and materials designated in the SPCC plan.
- Excess or waste materials will not be allowed to enter waters of the State.
- No petroleum products, fresh cement, lime or concrete, chemicals, or other toxic or deleterious materials will be allowed to enter surface waters.
- The contractor will be required to retrieve any floating debris generated during construction using a skiff and a net. Debris will be disposed of at an appropriate upland facility.
- A Temporary Erosion and Sediment Control plan prepared by the contractor and adhered to during construction activities.

- Demolition and construction materials will not be stored where upland runoff can cause materials to enter surface waters.
- Cleared areas will be restored by replanting the areas with appropriate native herbaceous and woody species, as practicable.
- Native trees and shrubs will be planted and maintenance and monitoring procedures followed to ensure proper levels of plant survival and cover.

See Section A-11 for a complete list of Project BMPs.

4. Plants

a. Check or circle 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
- _____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- _____ water plants: water lily, eelgrass, milfoil, other
- _____ other types of vegetation

A summary of plant communities in the Project area is provided below. The summary information comes from the Wetland and Stream Ordinary High Water Mark Delineation Report (Anchor QEA 2013a) and the Biological Assessment (Anchor QEA 2013b) prepared for the Project.

Due to the urban setting of the Sportsman and Sultan River parks, the Sultan River shorelines have been modified from natural conditions to accommodate human access and use. The Project area includes two public parks situated within a developed transportation corridor. The west shore exhibits managed lawn extending to the shoreline with little to no riparian cover, and the cover that exists is nonnative. The east shore has abundant overhanging vegetative cover, but shorelines are steep and armored. These slopes, substrates, and vegetation are managed for public access and views, as well as protection of the U.S. 2 Bridge and the railroad trestle. Hardened shorelines and reduced native riparian vegetative cover provide low habitat diversity for juvenile salmon seeking refuge from predators and high flows. The Skykomish River and mature forest extend to the south.

On the west shore at the location of the proposed bridge and within Sportsman Park, vegetation consists of managed lawn, with big-leaf maple (*Acer macrophyllum*) and black cottonwood (*Populus*

trichocarpa) set back approximately 100 feet from the shoreline. Close to the U.S. 2 Bridge, Himalayan blackberry (*Rubus armeniacus*) grows close to the shore. Moving upstream on the west bank about 150 yards from the Project, a larger riparian buffer begins to expand to a width of about 50 feet, and farther upstream at about 500 yards from the Project, the buffer widens to 150 feet or greater. There is also sparse Pacific willow (*Salix lasiandra*) on a gravel bar along the west shore just northwest of the proposed bridge.

On the east bank, vegetation consists of tree, shrub, and herbaceous species close to the shore and includes big-leaf maple, black cottonwood, snowberry (*Symphoricarpos albus*), slough sedge (*Carex obnupta*), cattail (*Typha latifolia*), creeping buttercup (*Ranunculus repens*), Colonial bentgrass (*Agrostis capillaris*), red fescue (*Festuca rubra*), English ivy (*Hedera helix*), and Himalayan blackberry. The riparian buffer width on the west shore closest to the proposed bridge is estimated at 150 feet, but extends to 1,000 feet or greater at about 150 yards upstream from the Project.

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

Clearing and grading will occur in the Project area. Grading will affect natural vegetation, including wetland and stream buffers. Grading along the western terminus of the Project is expected to disturb small areas of blackberry and grass associated with the U.S. 2 right-of-way. Areas of disturbance outside of the buffer areas along the northern and southern eastern termini are primarily manicured grass.

Tables 2 and 3 describe temporary and permanent impacts to wetland and stream buffer habitat.

Table 2
Temporary and Permanent Wetland and Wetland Buffer Impacts

Wetland	Wetland Area (acres)	Required Buffer Width (feet)	Temporary Buffer Impacts (square feet)	Permanent Buffer Impacts (square feet)	Permanent Shading Impacts (square feet)
Wetland A	0.09	50	3,600	21 ^a	2,400 ^b
Wetland B	0.23	100	3,300		

Note:

- a Due to the overlapping orientation of the wetland and stream buffers, there will be a total of 21 square feet of permanent buffer impacts shared between Wetlands A and B and Streams A and B.
- b Due to the overlapping orientation of the wetland buffers, there will be a total of 2,400 square feet of permanent shading impacts shared between Wetland A and the buffers of Wetlands A and B.

Table 3
Temporary and Permanent Stream and Stream Buffer Impacts

Stream	Required Buffer Width (feet)	Temporary Buffer Impacts (square feet)	Permanent Buffer Impacts (square feet)	Permanent Buffer Shading Impacts (square feet)	Permanent Shading Impacts (square feet)
Sultan River	150	1,800	35	3,300	1,307
Stream A	50	3,000	21 ^a	2,530	0
Stream B	50	1,500		1,980	0

Note:

a Due to the overlapping orientation of the wetland and stream buffers, there will be a total of 21 square feet of permanent buffer impacts shared between Wetlands A and B and Streams A and B.

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

There are no known threatened or endangered plant species 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 following BMPs will be used to preserve or enhance vegetation:

- Cleared areas will be restored by replanting the areas with appropriate native herbaceous and woody species, as practicable.
- Clearing limits will be demarcated with orange barrier fencing wherever clearing is proposed in or near critical areas.
- Native trees and shrubs will be planted and maintenance and monitoring procedures followed to ensure proper levels of plant survival and cover.

See Section A-11 for a complete list of Project BMPs.

5. Animals

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

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other:

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

Table 4 provides the list of threatened or endangered species known to be on or near the site.

Table 4
Threatened, Endangered, Proposed, and Candidate Species and Critical Habitats that
May Occur in the Action Area

Species	Status	Agency	Critical Habitat
Puget Sound Chinook salmon (<i>Oncorhynchus tshawytscha</i>)	Threatened (Puget Sound ESU)	NMFS	Designated
Puget Sound steelhead (<i>Oncorhynchus mykiss</i>)	Threatened (Puget Sound DPS)	NMFS	None designated (recently proposed on 1/14/13)
Bull trout (<i>Salvelinus confluentus</i>)	Threatened (Coastal-Puget Sound ESU)	USFWS	Designated
Marbled murrelet (<i>Brachyramphus marmoratus</i>)	Threatened	USFWS	Designated, but none in Action Area
Northern spotted owl (<i>Strix occidentalis</i>)	Threatened	USFWS	Designated, but none in Action Area
Fisher (<i>Martes pennanti</i>)	Candidate	USFWS	None designated
Yellow-billed cuckoo (<i>Coccyzus americanus</i>)	Candidate	USFWS	None designated
White bark pine (<i>Pinus albicaulis</i>)	Candidate	USFWS	None designated

Source: Biological Assessment (Anchor QEA 2013b)

Notes:

DPS = Distinct Population Segment

ESU = Evolutionary Significant Unit

NMFS = National Marine Fisheries Service

USFWS = U.S. Fish and Wildlife Service

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

The Sultan River is a migration corridor for salmonids and bull trout. The Project is within the Pacific Flyway for migratory birds.

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

All features of the Project will be placed above or outside of the ordinary high water mark. All regulatory conditions, including adherence to in-water work windows, will be followed during the construction of the Project.

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.

Petroleum products, such as diesel and gasoline will be needed to fuel equipment during the construction of the Project. Once the Project is complete, electricity will be needed to power the lighting proposed for the bridge.

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

The Project will construct an elevated structure that could affect the potential use of solar energy. However, the bridge is being placed adjacent to the existing U.S. 2 Bridge; therefore, the effects are expected to be minimal.

- 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:

Due to the limited use of energy by the completed Project, no conservation measures are proposed.

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.

There are no known environmental health hazards associated with the Project.

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

No special emergency services are expected to be required.

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

The following BMPs will be used to reduce or control environmental health hazards:

- The contractor will be responsible for the preparation and implementation of a SPCC plan to be used for the duration of the Project. The plan will be submitted to the Project engineer prior to the commencement of any construction activities. A copy of the plan with any updates will be maintained at the work site by the contractor.
 - The SPCC plan will identify construction planning elements and recognize potential spill sources at the site. The plan will outline responsive actions in the event of a spill or release, and will identify notification and reporting procedures. The plan will also

outline contractor management elements such as personnel responsibilities, Project site security, site inspections, and training.

- The SPCC plan will outline which measures the contractor will take to prevent the release or spread of hazardous materials, either found on site or encountered during construction but not identified in contract documents, or any hazardous materials that the contractor stores, uses, or generates on the construction site during construction activities. These items include, but are not limited to, gasoline, oils, and chemicals. Hazardous materials are defined in the RCW 70.105.010 under “hazardous substance.”
 - The contractor will maintain at the job site the applicable equipment and materials designated in the SPCC plan.
- Excess or waste materials will not be allowed to enter waters of the State.
 - No petroleum products, fresh cement, lime or concrete, chemicals, or other toxic or deleterious materials will be allowed to enter surface waters.
 - The contractor will be required to retrieve any floating debris generated during construction using a skiff and a net. Debris will be disposed of at an appropriate upland facility.

See Section A-11 for a complete list of Project BMPs.

b. Noise

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

The Project is located adjacent to U.S. 2. Noise generated from traffic could potentially affect users of the Project bridge. However, these effects are not expected to be substantial.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

The operation of equipment is anticipated to generate some localized short-term noise. However, the Project is adjacent to U.S. 2, which produces elevated levels of noise due to traffic. Therefore, noise generated by construction of the Project is not anticipated to be significantly above background levels. There are no long term noise impacts anticipated from the constructed project.

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

- All engine-powered equipment will be required to have mufflers that were installed according to the manufacturer's specifications.
- All equipment will be required to comply with pertinent USEPA equipment noise standards.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties?

The site is used for both active recreation and also right-of-way for U.S. 2.

b. Has the site been used for agriculture? If so, describe.

It is not known if the site has been used for agriculture in the past. The property at Sportsman Park has been in use as park land since 1969. According to a 1913 Sanborn Fire Insurance Map, a portion of Sultan River Park was used as a high school. A 1930 Sanborn Fire Insurance Map shows the Sultan River channel going through the approximate area where the high school was located. No other uses are known about the site.

c. Describe any structures on the site.

To the south of the Project area is the U.S. 2 steel truss bridge over the Sultan River. Sportsman Park includes a gazebo, restroom facilities, and a boat launch.

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

No structures are proposed to be demolished as part of the Project.

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

The Project area is located on land that is zoned low/moderate density. The portion of the Project located west of the Sultan River (Sportsman Park) is also part of a Public & Institutional Overlay Zone (City of Sultan 2011).

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

The Project area is located on land that is zoned low/moderate density. The portion of the Project located west of the Sultan River (Sportsman Park) is also part of a Public & Institutional Overlay Zone (City of Sultan 2011).

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

The Shoreline designation is Urban-Conservancy.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes. The Sultan River is included in the City of Sultan Shoreline Master Program (2008). There are also two wetlands (Wetlands A and B) and two streams (Streams A and B) on the site.

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

The Project does not create housing or employment.

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

No people would be displaced as part of the Project.

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

No measures are proposed to avoid or reduce displacement impacts.

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

The proposal is compatible with existing and projected land uses and plans.

9. **Housing**

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

The Project will not create housing.

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

The Project will not eliminate housing.

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

No measures are proposed to reduce or control housing impacts.

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?

At the tallest point, the bridge will be approximately 17 feet above the ordinary high water mark of the Sultan River. The main bridge span will consist of concrete girders with a concrete deck to span the Sultan River.

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

The bridge will have a slight effect on views, but the effects are not expected to be substantial because the proposed bridge is located adjacent to the existing U.S. 2 Bridge.

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

The following BMPs will be employed for the Project:

- Cleared areas will be restored by replanting the areas with appropriate native herbaceous and woody species, as practicable.
- Clearing limits will be demarcated with orange barrier fencing wherever clearing is proposed in or near critical areas.
- Native trees and shrubs will be planted and maintenance and monitoring procedures followed to ensure proper levels of plant survival and cover.

11. Light and glare

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

Lighting will be placed on the bridge for safety. They lighting will be designed following current standards.

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

Light or glare from the Project are not expected to be a safety hazard or interfere with current views.

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

No off-site sources of light or glare are anticipated to affect the Project.

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

Lighting over the bridge deck will be directed toward the surface of the bridge to minimize the spillage of light over the river.

12. Recreation

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

Sportsman and Sultan River parks are used for both active and passive recreation. Sportsman Park is primarily used for access to the Sultan River for fishing. Sportsman Park also includes a boat launch.

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

The Project is not expected to displace any recreational uses. A portion of Sportsman Park adjacent to the U.S. 2 right-of-way will be acquired to place the bridge and foundations. The portion of park includes a gravel parking area. Parking is not expected to be substantially affected. The bridge will also cross over approximately 100 square feet of Sultan River Park. The Project is not anticipated to affect the use of Sultan River Park.

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

The City of Sultan owns property adjacent to Sportsman Park. The City will work with WDFW to obtain a land use agreement for a portion of Sportsman Park property.

13. **Historic and cultural preservation**

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No known places or objects are on or proposed for the national, state, or local preservation registers (Anchor QEA 2013c).

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

There is no evidence or landmarks that would suggest the site is of historic, archaeological, scientific, or cultural importance (Anchor QEA 2013c).

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

The Project will prepare and implement an unanticipated discovery plan in order to address the potential discovery of cultural material during construction.

14. **Transportation**

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The Project is served by U.S. 2 to the south, Albion Street to the west, and First Street to the east. The western terminus of the Project will be at an existing path along U.S. 2 that connects to Albion Street. The eastern terminus connects to the shoulder of First Street as well as the shoulder of U.S. 2. See Sheets 1 and 2 of Attachment 1 showing streets serving the Project area.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

There area is served by Community Transit routes 270-W and 277-W (Community Transit 2013).

- c. How many parking spaces would the completed project have? How many would the project eliminate?

The existing parking at Sportsman Park consists of a large gravel lot. A portion of this lot will be used by the Project, specifically for placement of the bridge piers. The City plans to work with WDFW to obtain a land use agreement for a portion of Sportsman Park property, including parking.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

The Project will not require any new roads or streets. An existing dirt road used for access to utilities between the U.S. 2 Bridge and Burlington Northern Santé Fe (BNSF) Bridge will be overlaid with up to 12 inches of gravel to accommodate construction equipment. The Project will construct a public bridge for intended non-motorized uses, primarily pedestrians and bicycles.

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

The Project is located adjacent to a BNSF railway as well as recreational boating traffic on the Skykomish River. Neither of these two modes of transportation are anticipated to be affected by the proposed Project.

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

The completed Project is not expected to generate any additional vehicle trips.

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

No measures are proposed to reduce or control transportation impacts, as the Project is intended for non-motorized purposes.

15. Public services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

The Project is not expected to increase the need for public services because it routes users adjacent to the location of the existing path on U.S. 2.

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

No measures are proposed to reduce or control direct impacts on public services.

16. Utilities

- 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.

The Project will provide a corridor for upgraded City-owned water and sewer mains. The mains will be run under the new bridge and tied back into existing utilities at the location of both the western and eastern bridge termini. Snohomish County Public Utility District maintains the electrical service in the Project area (SNOPUD 2013). Electricity will be needed in order to operate the proposed lighting on the bridge.

References

- Anchor QEA, 2013a. Wetland and Stream Ordinary High Water Mark Delineation Report. Sultan River Pedestrian/Bicycle Bridge Design Project. Prepared for WH Pacific. April 2013.
- Anchor QEA, 2013b. Biological Assessment. Sultan River Pedestrian/Bicycle Bridge Project. October 2013.
- Anchor QEA, 2013c. Cultural Resources Survey. Sultan River Pedestrian/Bicycle Bridge Project. October 2013.
- City of Sultan, 2008. Shoreline Master Program. July 2008.
- City of Sultan, 2011. Comprehensive Plan. December 2011.
- Community Transit, 2013. Bus Service. Available from: <http://www.commtrans.org/schedules/>. Accessed on June 5, 2013.
- Robinson Noble, Inc., 2013. Preliminary Engineering Technical Report. Sultan River Pedestrian Bridge. Prepared for WH Pacific. March 7, 2013.
- SNOPUD (Snohomish County Public Utility District), 2013. Website available at: <http://www.snopud.com/>. Accessed on June 13, 2013.

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:

Date Submitted:

ATTACHMENT 1
JOINT AQUATIC RESOURCES PERMIT
APPLICATION (JARPA)
