SEPA ENVIRONMENTAL CHECKLIST

UPDATED 2014

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants: [help]

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: [help]

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. background [help]

1. Name of proposed project, if applicable: [help] Swanson Lakes Wildlife Area Management Plan

2. Name of applicant: [help] Washington State Department of Fish and Wildlife

3. Address and phone number of applicant and contact person: [help]Lauri Vigue

600 Capitol Way North, Olympia, WA 98501 360-902-2549

4. Date checklist prepared: [help] May 8, 2015

5. Agency requesting checklist: [help] Washington State Department of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable): [help] Final plan will be published on WDFW website in July 2015.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [help] Yes, specific projects or actions may be taken to implement elements of this plan. Where appropriate, project specific SEPA analysis will occur.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [help] N/A

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. [help] N/A

10. List any government approvals or permits that will be needed for your proposal, if known. [help] N/A

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.) [help] This is a new wildlife area management plan for the Swanson Lakes Wildlife Area. It directs management activities over the next 10 years on three wildlife areas: Swanson Lakes (21,000 acres); Revere (2,291 acres) and Reardan Audubon Lake (277 acres). Proposed uses include sage grouse and sharp-tailed grouse protection and enhancement; recreation and wildlife conservation; protection and restoration of shrub-steppe habitat, grasslands and riparian habitat. There are two agriculture leases on the Swanson Lakes and Revere Wildlife areas. The leases provide food and cover for wildlife and as well as revenue. Under the direction of the new plan, management activities will stay essentially the same.

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. [help]

The Swanson Lakes Wildlife Area is located approximately 10 miles south of Creston, 20 miles west southwest of Davenport and 60 miles west of Spokane. Driving directions: from I-90, turn north onto Hwy 21 toward Odessa. At approximately 30 miles, turn right onto Schuster Road. At 8 miles turn right onto Seven Springs Road/Swanson Lake Road. At 1.5 miles, turn left at Y in road. Office is 1 mile in.

The Revere Wildlife Area is located 13 miles east of St. John. From Spokane, drive west on I-90 to the town of Sprague. Turn South onto Hwy 23, drive approx 12 miles. Turn right onto Davis Road. Drive approx. 6 miles, keeping to the right.

Reardan Audubon Lake Wildlife Areas is located just north of the town of Reardan. From US Hwy 2 at Reardan, turn north on State Hwy 231, about two blocks to Railroad Ave., turn east and continue about two blocks to Audubon Way, turn north to southside parking lot.

Swanson Lakes WLA Legal Description:
T25N, R33E: 25, 36 (DNR lease)
T25N, R34E: 13, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, and 36 (DNR lease)
T25N, R355: 30, 32
T24N, R34E: 1, 2, 3, 4, 10, 12, 13, and 14
T24N, R35E: 3, 4, 5, 6, 7, 9, 10, 14, 15, 18, 22, and 23

Revere WLA Legal Description:
Township 18 North, Range 39 East, Sections 3, 4, 5, 8, 9 and 10

Reardan-Audubon Lake WLA Legal Description:
Township 25 North, Range 39 East, Section 10

B. ENVIRONMENTAL ELEMENTS [help]

1. Earth

a. General description of the site [help]
(circle one): Flat, rolling, hilly, steep slopes, mountainous,
other _____
Generally flat and rolling hills for the three wildlife areas. Shrub-steppe habitat, grasslands, wetlands, vernal pools, channel scablands.

b. What is the steepest slope on the site (approximate percent slope)? [help]
85%

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. [help]

The Swanson Lakes, Revere and Reardan Audubon Lake wildlife areas are located on the Columbia Plateau, which was created by lava flows hundreds of feet thick, modified by glacial action and scoured by repeated floods during the Miocene and Pliocene eras. This fairly level, rough topography is called the Channeled Scablands and includes features such as plateaus, buttes, and channels. Channels are made up of outwash terraces, bars, loess islands and basins. The plateaus contain circular mounds of loess (biscuits) surrounded by cobble-size fragments of basalt. Soils generally consist of silt loams with varying amounts of rock or gravel, and basaltic rock outcroppings. Specific soil types commonly found on Swanson Lakes include: Anders silt loam, Anders-Bakeoven-Rock outcrop complex, and Roloff-Bakeoven-Rock outcrop complex.

Much of Whitman County (Revere Wildlife Area) is mantled by eolian (wind-deposited) silt, or loess. The loess is underlain by a great thickness of basalt. In the western part of Whitman county, large areas have been swept by floods that removed most of the loess and locally scoured the basalt to considerable depth (channel scablands).

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [help] No

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. [help] N/A

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [help] N/A

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

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [help] N/A

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. [help] N/A

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

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [help] N/A

3. **Water**

a. Surface Water: [help]

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type
and provide names. If appropriate, state what stream or river it flows into. [help]

Swanson Lakes Wildlife Area is located in the upper portion of the Crab Creek Watershed. Numerous pothole lakes, and a handful of rim rock lakes are found on the wildlife area. Drainage generally runs from northeast to southwest. Surface water is known to be alkaline. One intermittent stream, Lake Creek, runs through Swanson Lakes Wildlife Area, on its way to Rock Creek. Lake Creeks' headwaters originate a few miles northeast of the wildlife area, and the stream widens into perennial rim rock lakes at several locations. The first of these rim rock lakes, known as Z-Lake, is located at Swanson Lakes Wildlife Area.

Revere Wildlife Area is located within the Rock Creek watershed. As one of the major tributaries of the Palouse River drainage, Rock Creek makes up 13% of the entire Palouse River Sub-basin. Also draining through the Revere Wildlife Area is Imbler Creek, which is a large, significant tributary to Rock Creek. Multiple native fish species inhabit these waters.

Reardan Audubon Lake is located in close proximity to the headwaters of the Crab Creek watershed, north of Highway 2. "Audubon Lake is two hundred and seventy-seven acres of wetlands, vernal ponds, grasslands, and channeled scablands supporting more than 200 species of birds" (WWRP, 2005). The western section of Audubon Lake receives effluent year round from the Reardan Waste Water Treatment Plant, and it is believed that the lake would dry up in the summer and fall months if it did not receive this discharge from the plant.

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. [help] N/A

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. [help] N/A

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [help] N/A

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [help] Reardan Audubon Lake falls within a 100 year floodplain designated by FEMA, the mapped location is available upon request.

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. [help]

The western section of Audubon Lake receives effluent year round from the Reardan Waste Water Treatment Plant, and it is believed that the lake would dry up in the summer and fall months if it did not receive this discharge from the plant (per the City of Reardan

Staff). The discharge rate was not available at the time this checklist was completed, but it is available upon request.

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. [help]

Three residential wells exist on the Swanson Lakes Wildlife Area; one well is associated with a house built in 1915 (WDFW office), and is not being used. Two other wells exist and one is associated with the current wildlife area manager residence (two bathrooms) and another residential home with 1 ¾ bath. The wells are discharged to ground water. The well use is not expected to change under the new wildlife area management plan.

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. [help]

Domestic sewage for three houses. Discharged to drainfield. The current wildlife area office may require a new well and/or septic system in the future. Under the new management plan, the new objective has been included: "identify possible remedies to Headquarter septic issue, define a plan of action and seek funding by 2017".

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. [help]

Surface water run off originates from precipitation and snow melt.

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

N/A

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. None

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

4. **Plants** [help]

a. Check the types of vegetation found on the site: [help]

____deciduous tree: alder, maple, aspen, other
____evergreen tree: fir, cedar, pine, other
____shrubs
____grass
____pasture

_____crop or grain
_____ Orchards, vineyards or other permanent crops.
_____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
_____water plants: water lily, eelgrass, milfoil, other
_____other types of vegetation

Shrub-steppe, native grasslands, former agriculture fields, restored grasslands and shrub-steppe, riparian woodland, Palouse prairie, wetland, ponderosa pine woodland, savannah, aspen forest and woodland, shrubland

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

N/A

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

Spalding's silene – *Silene spaldingii*, two locations known exist on the Swanson Lake Wildlife Area

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

Shrub-steppe restoration has been completed on 1,685 acres of the Swanson Lakes Wildlife Area. More shrub-steppe restoration is expected on the Swanson Lakes Wildlife Area, as directed by future development and implementation of a restoration plan.

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

Yellow toadflax, diffuse knapweed, whitetop, Canada thistle, St John's wort, Dalmatian toadflax, Scotch thistle, Russian thistle, tumble mustard, purple mustard, common tansy, common mullein, Ventenata, poison hemlock.

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: [help]

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

American white pelican, black tern, burrowing owl, Columbia spotted frog, elk, greater sage-grouse, loggerhead shrike, mule deer, rainbow trout, ring-necked pheasant, sage thrasher, sagebrush sparrow, Columbia sharp-tailed grouse, tiger salamander, Townsend's big eared bat, tundra swan, Washington ground squirrel, western painted turtle, white-tailed jackrabbit, Yuma myotis

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

American white pelican (SE); greater sage-grouse (ST/FC); Columbia sharp-tailed grouse (ST)

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

Swanson Lakes and Reardan Audubon Lake wildlife areas both serve as stop over migration routes for migratory birds and waterfowl. Swanson Lakes and Revere Wildlife Areas also serve as a migration corridor for mule deer.

d. Proposed measures to preserve or enhance wildlife, if any: [help]
Shrub-steppe restoration has been an ongoing activity on the Swanson wildlife area. A restoration plan will be developed for the Swanson Lakes, Revere and Reardan Audubon Wildlife Areas to enhance riparian and shrub-steppe habitats. Since 2008 sage-grouse and sharp-tailed grouse have been reintroducted to the
Swanson Lake Wildlife Area.

e. List any invasive animal species known to be on or near the site.
Collar dove, starling, bull frog, ring-necked pheasant

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. [help] N/A

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [help] N/A

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: [help] N/A

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. [help] N/A

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

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. N/A

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. N/A

4) Describe special emergency services that might be required. N/A

5) Proposed measures to reduce or control environmental health hazards, if any: N/A

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [help] N/A

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. [help] N/A

3) Proposed measures to reduce or control noise impacts, if any: [help] N/A

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. [help] The current uses of WDFW wildlife areas are recreation and wildlife conservation. Adjacent lands are either private lands (agriculture/grazing) or other public lands (Bureau of Land Management and Department of Natural Resources).

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? [help] All three wildlife areas have a prior history of agriculture and grazing. The agriculture lands are in the process or have been restored for wildlife habitat.

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: None

c. Describe any structures on the site. [help] There are 26 structures recorded on the Swanson Lakes Wildlife Area: 4 barns, 7 sheds, 2 shops, 2 residences, garage, 2 water towers. Revere WLA has one barn documented on site.

d. Will any structures be demolished? If so, what? [help] None

e. What is the current zoning classification of the site? [help] Agriculture/residential

f. What is the current comprehensive plan designation of the site? [help] Residential, agriculture and rangeland

g. If applicable, what is the current shoreline master program designation of the site? [help] Rural/shoreline for Rock Creek (Revere WLA)

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [help] Lincoln and Whitman counties are currently updating their Critical Areas Ordinances.

i. Approximately how many people would reside or work in the completed project? [help] 8

j. Approximately how many people would the completed project displace? [help] None

k. Proposed measures to avoid or reduce displacement impacts, if any: [help] N/A

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [help] Compatible with local land use regulations

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

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [help] Two residences exist on the Swanson Lakes Wildlife Area. No additional housing is expected under the new management plan.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [help] None

c. Proposed measures to reduce or control housing impacts, if any: [help] N/A

10. **Aesthetics**

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

b. What views in the immediate vicinity would be altered or obstructed? [help] N/A

c. Proposed measures to reduce or control aesthetic impacts, if any: [help] N/A

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [help] N/A

b. Could light or glare from the finished project be a safety hazard or interfere with views? [help] N/A

c. What existing off-site sources of light or glare may affect your proposal? [help] N/A

d. Proposed measures to reduce or control light and glare impacts, if any: [help] N/A

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity? [help] Hunting, wildlife viewing, hiking, fishing, mountain biking, photography, tribal food gathering

b. Would the proposed project displace any existing recreational uses? If so, describe. [help] None

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [help] Recreation will be maintained or enhanced in this wildlife area management plan. Please see table 9 in the Plan for Swanson Lakes, Revere and Reardan Audubon Lake Wildlife Area goals, objectives for recreation activities.

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. [help] None

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. [help]

Swanson Lakes WLA: The most thorough survey of the WLA was conducted in 2001; research associated with the survey included interviews with members of the Spokane Tribe of Indians and members of the Confederated Tribes of the Colville Reservation, pedestrian survey, but with no subsurface testing. The survey resulted in the identification of fourteen precontact-era archaeological sites and two contact-era or ethno-historic archaeological sites. Subsequent archaeological investigations have been associated with specific projects (Derr and Harder 2014; Harder and Hannum 2013).

Bennett et al. (2001) recorded 24 residential properties and refuse scatters associated with 115 years of non-Native settlement. Many of the sites can be connected to the Swanson and Huck families, as well as other early documented settlers.

Revere WLA: Several cultural resource studies have been conducted within the WLA boundaries (e.g., Ives 2009, Valentine 1995, and Tracy 1995). The Ives (2009) and Tracy (1995) surveys resulted in the identification of archaeological deposits. Six of the recorded archaeological sites are directly related to the historic occupation of the Revere Ranch House, the seventh site represents precontact-era Native American activities.

Reardan Audubon Lake WLA: There are no recorded archaeological sites, historic sites, historic structures, cemeteries, or barns within the Wildlife Area. One cultural resource survey has been conducted within the WLA (Engseth 2007); an additional survey was conducted a few hundred feet west of SR 231, outside the WLA (Parks 1996).

Nearby archaeological sites, dating to the precontact and early historic eras, provide evidence of land use associated with water resources. Later historic sites tend to be associated with ranching activities or post-Settlement land use (e.g, the town dump, cisterns, foundations, or railroad).

See Swanson Lakes Wildlife Area Management Plan Appendix F for complete citations.

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. [help] Any ground disturbance activities on the WDFW wildlife areas will trigger a cultural resource survey. WDFW coordinates with appropriate agencies and tribes for the protection of cultural resources whether it is the public or department staff who initiate an activity that will affect cultural, archaeological or historic resources.

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. N/A

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. [help]
See attached maps for street names and highways

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? [help]
Available upon request.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [help] None

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [help] None

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [help] None

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? [help] General visitation information available upon request.

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. N/A

h. Proposed measures to reduce or control transportation impacts, if any: [help] None

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. [help]
None

b. Proposed measures to reduce or control direct impacts on public services, if any. [help]
None

16. **Utilities**

a. Circle utilities currently available at the site: [help]
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____ Electricity, water, refuse service, telephone, septic system

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. [help] N/A

C. Signature [HELP]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Name of signee Lauri Vigue

Position and Agency/Organization Environmental Planner - WDFW

Date Submitted: 5/11/15

D. supplemental sheet for nonproject actions [help]

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

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

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

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

Proposed measures to avoid or reduce such increases are:
N/A

2. How would the proposal be likely to affect plants, animals, fish, or marine life?
The goals of this wildlife area management plan are to:
Maintain ecological integrity of priority sites

Recover Columbian sharp-tailed and greater sage-grouse populations
Maintain and enhance mule deer and upland game bird populations
Achieve species diversity at levels consistent with healthy ecosystems

Proposed measures to protect or conserve plants, animals, fish, or marine life are:
See Table 9 in the Plan (Goals, objectives, and performance measures) for Swanson Lakes, Revere, and Readan-Audubon Lake Wildlife Areas

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

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

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?
Objectives of this plan include: recovery of sustainable populations of greater sage-grouse, Columbia sharp-tailed grouse and mule deer; restore native shrub-steppe and riparian habitats, protection of wetland, riparian, and shrub-steppe habitat.

Proposed measures to protect such resources or to avoid or reduce impacts are:
See Table 9 in the Plan (Goals, objectives, and performance measures) for Swanson Lakes, Revere, and Readan-Audubon Lake Wildlife Areas

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?

   This management plan provides protection and enhancement measures for shorelines including riparian and wetland systems located on all three wildlife areas.

   Proposed measures to avoid or reduce shoreline and land use impacts are:
   On the Reardan Audubon Wildlife Area future trails will be located above the shoreline in order to protect nesting shorebirds.

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

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

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment. This management plan meets all federal, local and state requirements for protection of the environment.