

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: [\[help\]](#)

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: [\[help\]](#)

Chelan 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: [\[help\]](#)

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4. Date checklist prepared: [\[help\]](#) March 14, 2018
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 September 2018.
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 review 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 management plan for the Chelan Wildlife Area. Over the next 10 years the plan will direct management activities on the following wildlife area units:
 1. Beebe Springs (162 acres)
 2. Cashmere Pond (21 acres)
 3. Chelan Butte (10,116 acres)
 4. Entiat (7,989 acres)
 5. Pateros (1,218 acres)
 6. Swakane (19,939 acres)
 7. White River (429 acres)

Proposed uses include recreation and wildlife conservation; protection and restoration of shrub-steppe, forest and riparian habitat. Examples of management activities under this plan include: ecological integrity monitoring, weed management, managing roads in collaboration with USFS and other agencies including considering seasonal road closures to protect wildlife, species surveys, managing wildlife near high use recreation areas, monitoring bighorn sheep, coordinating with partners on salmon recovery projects. Recreational projects include: working

with Audubon to designate a birding trail, developing options to accommodate target shooting, develop a public outreach process for considering recreation developing on the wildlife area.

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. [\[help\]](#)

- **Beebe Springs Unit (Chelan County)**
 - Located along the Columbia River at the junction of State Highway 97 and 150, east of the city of Chelan
 - Legal Description: T27 N R 23E Section 20

- **Cashmere Pond (Chelan County)**
 - Located immediately north of the city of Cashmere, boat access only.
 - Legal Description:
T24 N R19 E Section 32, 33;
T 23N R19 E Section 5

- **Chelan Butte Unit (Chelan County)**
 - The unit is located immediately southwest of Chelan and is accessed by Chelan Butte Road from the north, Downie Canyon Road from the west and Stayman Flats Road from the south.
 - Legal Description:
T 27 N R 23 E Section 30, 31;
T 27 N R 22 E Sections 21, 22, 24, 26, 29, 30, 31, 32, 25, 27, 28, 33, 34, 35, 36;
T 26 N R 22 E Sections 1, 2, 3, 4, 5, 6

- **Entiat Unit (Chelan County)**
 - The unit includes several small to medium sized parcels west and north of the town of Entiat extending north to Knapp Coulee. There are several access points and they include Crum Canyon Road, Oklahoma Gulch Road, State Highway 917 in Navarre Coulee and State Highway 97A in Knapp Coulee.
 - Legal Description:
T 27 N R 21 E Section 22, 27, 33, 35, 36;
T 26 N R 21 E Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 20, 21, 29, 30, 32;
T 26 N R 20 E Section 28, 36;
T 25 N R 21 E Section 4, 9, 18;
T 25 N R 20 E Sections 1, 3, 11

- **Pateros Unit (Okanogan County)**
 - Access to the unit is via Bill Shaw Road that travels along the southern end of the property.
 - Legal Description:
T30 N R23 E Sections 22, 23, 26, 27, 34, 35

- **Swakane Unit (Chelan County)**
 - North from Wenatchee on Alternate Highway 97 about 1.4 miles past Rocky Reach Dam, turn west on Swakane Canyon Road west approximately 1.2 miles

to a parking area with informational kiosk. Forest Service Road 7415 continues west through the unit.

- Legal Description:
 - T 25 N R 19 E Section 34;
 - T 24 N R 21 E Sections 6, 7;
 - T 24 N R 20 E Sections 16, 22, 23, 27, 29, 31, 32, 33, 34, 13, 17, 20, 21, 24, 26, 35;
 - T 24 N R 19 E Sections 3, 36;
 - T 23 N R 20 E Sections 3, 4, 8, 10
- White River Unit (Chelan County)
 - Travel west from Leavenworth on Highway 2 about 13 miles to Coles Corner, then right on Highway 207 for 4.4 miles and turn left on Lake Wenatchee Highway for 6.1 miles to the junction of White River Road and Little Wenatchee Road. The unit is made up of several parcels along White River Road and Little Wenatchee Road.
 - Legal Description
 - T 28 N R 16 E Sections 32;
 - T 27 N R 16 E Sections 4, 9, 10, 15

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

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

a. General description of the site: [\[help\]](#)

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____
The terrain ranges from flat to mountainous with steep slopes, elevations range from 705 – 4,500 feet).

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

N/A

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. [\[help\]](#)

Soils vary greatly across the units and are generally of alluvial origin in the low elevation areas from Wenatchee to Pateros, glacial till in the Chelan area, and glacial till mixed with volcanic ash and pumice in the forested areas. See attachment: Soil Survey of Chelan Area, Washington, V.E Beielser. See attachment, Soil Conservation Service, September 1975.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#) N/A
- 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 [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#) 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 [\[help\]](#)

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. [\[help\]](#)

The majority of the Chelan Wildlife Area falls under WRIA 47.

- Beebe Springs Unit is located on the Columbia River. Beebe Creek is a perennial stream, Frank' s pond is a man-made pond specifically created for youth fishing. Chinook Creek – side stream from springs – is also perennial. Toad Creek is an intermittent creek on the unit.
- Cashmere Pond Unit is located on the Wenatchee River, which has a pond on site.
- Chelan Butte Unit – includes isolated wetlands associated with seeps and springs. Depending on annual precipitation, small short run perennial or intermittent streams can be found in deep drainages including Brick House Canyon, Homestead Canyon, Main Draw, Huni Canyon, Gold Mine Gulch and Daybreak Canyon.
- Entiat Unit – Okalahoma Gulch has perennial creek and numerous springs and seeps on the unit support isolated wetlands.
- Pateros Unit – Methow River borders on the south end of the unit and numerous springs and

- seeps support isolated wetlands.
- Swakane Unit – has one intermittent stream, and includes beaver dams and ponds, including two mainmade ponds.
- White River Unit – a tributary to Lake Wenatchee, mostly wetland and riparian habitat.

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. [\[help\]](#)
 Yes. On the Swakane Unit a water withdrawal from Swakane Creek is used for habitat restoration (e.g., establishment of riparian plantings), increasing water availability for wildlife, and supplementing water supply to two ponds and associated wetlands. Quantity used is less than ¼ cu.ft. per second.

Over 40 springs are developed on the Swakane, Entiat, Chelan Butte, and Pateros Units that increase availability of water for wildlife. A typical development consists of a spring box and pipeline leading to various sizes of water troughs accessible to wildlife. Water quantity varies among the various springs ranging from ¼ gallon per hour to 2 gallons per minute.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

Yes. Portions of the Beebe Springs, Entiat, White River and Cashmere Pond Units. See available, [Chelan County Comprehensive Flood Hazard Management Plan, Chelan County Public Works, December 2016.](#)

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. [\[help\]](#) N/A

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. [\[help\]](#) No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the

number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)
One septic system with a 1,000 gallon tank services a single family residence on the Swakane Unit.

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. [\[help\]](#)

Generally water runoff originates from precipitation and snowmelt for the entire wildlife area. At the Beebe Spring Unit there is a passive stormwater collection and infiltration for the paved parking lot. Overflow goes into the Columbia River.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
No waste materials will be produced by actions of this management plan.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#) N/A

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#) N/A

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

a. Check the types of vegetation found on the site: [\[help\]](#)

- X deciduous tree: alder, maple, aspen, cottonwood, other
- X evergreen tree: fir, cedar, pine, other
- X shrubs
- X grass
- X pasture
- X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- X water plants: water lily, eelgrass, milfoil, other
- X other types of vegetation

Chelan Wildlife Area includes: shrub-steppe, riparian, ponderosa pine, mixed conifer forest.

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. [\[help\]](#)
Ute ladies' tresses (FT/SE)

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

Forest restoration activities are described in the Forest Plan including restoration activities for the next 10 years. Restoration of shrub-steppe is also an ongoing activity on the wildlife area.

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

Weed species of concern on the Chelan Wildlife Area include but are not limited to:

Baby's breath (*Gysophila paniculata*), bouncing-bet (*Saponaria officinalis*) Canada thistle (*Cirsium arvense*), cereal rye (*Secale cereale*), Dalmatian toadflax (*Linaria dalmatica*), diffuse knapweed (*Centaurea diffusa*), hairy whitetop (*Lepidium appelianum*), Himalayan blackberry (*Rubus armeniacus*), hoary cress (*Lepidium draba*), houndstongue (*Cynoglossum officinale*), kochia (*Kochia scoparia*), longspine sandbur (*Cenchrus longispinus*), field bindweed (*Convolvulus avensis*), puncturevine (*Tribulus terrestris*), purple loosestrife (*Lythrum salicaria*), Russian knapweed (*Acroptilon repens*), Russian olive (*Elaeagnus angustifolia*), Russian thistle (*Salsola tragus*), Scotch thistle (*Onopordum acanthium*), St. Johns Wort (*Hypericum perforatum*), yellow flag iris (*Iris pseudacorus*), and yellow starthistle (*Centaurea solstitialis*).

5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

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

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

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

See documented species list in Appendix A, wildlife area management plan

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

Bull trout (FT/SC), gray wolf (FE/SE), steelhead (FT/SC), Chinook salmon (FE/SC), western gray squirrel (ST), sharp-tailed grouse (ST)

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

Migration landscapes are provided for bighorn sheep, mule deer, steelhead, Chinook, coho, bull trout; migratory birds – waterfowl and neotropical songbirds.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

See wildlife area management plan's goals and objectives.

Examples of measures include a developing a strategy for shrub-steppe and grassland restoration, forest restoration, and maintaining and restoring floodplains for fish habitat benefitting steelhead, bull trout, Chinook and other priority species. Conducting measures to protect golden eagle, butterflies and western gray squirrel, and tiger salamander. Maintaining and enhancing upland bird habitat and big game habitat. A whole suite of native wildlife species benefit from managing lands to improve ecological integrity.

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

Norway rat, Eurasian collared dove, European starling, rock pigeon, American bullfrog, house sparrow, eastern gray squirrel, feral domestic cat.

6. Energy and Natural Resources [\[help\]](#)

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

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [\[help\]](#) N/A
 - 1) Describe any known or possible contamination at the site from present or past uses. [\[help\]](#) 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. [\[help\]](#) 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. [\[help\]](#) N/A
 - 4) Describe special emergency services that might be required. [\[help\]](#) N/A
 - 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#) N/A
- b. Noise [\[help\]](#)
 - 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 [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

The current uses of WDFW wildlife areas are recreation and wildlife conservation. Adjacent lands are either private lands (agriculture/recreation), other public lands (Bureau of Land Management, Department of Natural Resources and U. S. Forest Service).

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? [\[help\]](#)

The wildlife area has a prior history of agriculture, grazing and logging. No commercial farming and grazing, and logging occur at this time.

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: [\[help\]](#) N/A

c. Describe any structures on the site. [\[help\]](#)

On the Swakane Unit a house and old barn/shop are present. At the Beebe Spring Unit, two small sheds serve to store equipment and supplies and a vault toilet is located adjacent to the main parking area. On the Chelan Butte Unit a grain bin has been converted into small storage shed and a homestead era barn still stands above Stayman Flats. The Lucas Homestead, is on the National List of Historic Places, located on the Chelan Butte Unit. On the Entiat Unit, a homestead era log cabin is present.

d. Will any structures be demolished? If so, what? [\[help\]](#)

The old shop/barn on the Swakane Unit will be demolished and replaced with a safe and functional building. Project specific SEPA will be conducted for this action.

e. What is the current zoning classification of the site? [\[help\]](#)

Beebe Springs: rural public
Cashmere Pond: Rural residential/Resource 5
Chelan Butte: Rural residential/Resource 20
Entiat: Rural residential/Resource 20
Pateros: Rural 20
Swakane: Rural residential/Resource 20
White River: Rural residential/Resource 20

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Beebe Springs: rural public
Cashmere Pond: Rural residential/Resource 5
Chelan Butte: Rural residential/Resource 20

Entitat: Rural residential/Resource 20
Pateros: Rural 20
Swakane: Rural residential/Resource 20
White River: Rural residential/Resource 20

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)
Rural, conservancy and natural
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.
[\[help\]](#) No
- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)
Two
- j. Approximately how many people would the completed project displace? [\[help\]](#) N/A
- 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: [\[help\]](#)
Measures identified in this plan are compatible with local land use regulations.
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)
Measures identified in the plan are compatible with nearby agricultural land use and forest lands.
9. **Housing** [\[help\]](#)
- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)
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. [\[help\]](#) N/A
- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#) N/A
10. **Aesthetics** [\[help\]](#)
- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#) N/A
- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#) N/A
- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#) N/A

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

- 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 [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)
Hunting, wildlife viewing, hiking, fishing, camping, horseback riding, wildflower viewing, mountain biking, photography, walking, ORV/ATV riding, shed antler hunting, target shooting, snowshoeing, cross country skiing, hang gliding, geocaching, kayaking, canoeing.
- 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: [\[help\]](#)
Recreational opportunities will be maintained and/or enhanced in this plan. Please see the recreation goals, objectives list in the management plan for details.

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe. [\[help\]](#)
Chelan Butte: Lucas Homestead is listed on the National Register of Historic Places.
- 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. [\[help\]](#)
Yes, there are numerous landmarks, features, and other evidence of Indian and historic use and occupation on all units except the Cashmere Pond Unit. Multiple surveys, reports, and investigations have been conducted on or near the wildlife area. The results of these surveys are on file with the Department of Archaeology and Historic Preservation and WDFW and will be used to inform project design.
- 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. [\[help\]](#)

As specific projects are conceived, they will be reviewed by WDFW. Project reviews will be informed by the results of prior archaeological and historic research, a review of ethnographies and ethnographic information, information provided by the Tribes during consultation, the results of coordination with stakeholders and wildlife area staff, regional land use practices, local and regional geomorphological conditions, and regional settlement patterns. As needed, WDFW will conduct cultural resource surveys of project area to assess the potential of the project to impact cultural resources, to characterize the impacts, if any, and to make recommendations about reasonable options to avoid, minimize, or mitigate impacts to any archaeological or cultural resources should any be present at the project location.

- 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. [\[help\]](#) Specific project locations have not yet been identified. As specific projects are designed, they will be reviewed by WDFW as described above. The project reviews will be used to inform project plans. In every case, WDFW will adopt all reasonable measures to avoid, minimize, or mitigate impacts to any archaeological or cultural resources should any be present at the project location.

14. Transportation [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)
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? [\[help\]](#)
Yes. Link Transit provides public transit service in the vicinity of Cashmere Pond, Swakane, Entiat, Chelan Butte, and Beebe Springs Units.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#) N/A
- 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). [\[help\]](#) N/A
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#) N/A
- 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? [\[help\]](#) N/A
- 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? No If so, generally describe. [\[help\]](#)

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#) N/A

15. Public Services [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? **No** If so, generally describe.

[\[help\]](#)

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

N/A

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

a. Circle utilities currently available at the site: [\[help\]](#)

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

Swakane Unit: electricity, refuse service, septic system

Beebe Springs Unit: electricity

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 _____

Position and Agency/Organization _____

Date Submitted: _____

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:

Improve ecological integrity of forests while maintaining and/or improving habitat for wildlife

Maintain or improve the ecological integrity of priority sites

Achieve species diversity at levels consistent with healthy ecosystems

Maintain and enhance upland bird habitat

Maintain and enhance big game habitat

Maintain and restore floodplains for fish habitat

Manage wolf-livestock conflicts to minimize livestock losses, while not impacting the recovery of a sustainable wolf population.

Support and maintain appropriate recreation opportunities.

Manage roads to minimize unacceptable impacts to fish and wildlife

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

See management plan for a complete list of goals, objectives and performance measures

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?

The goals of this plan (outlined above) provides protection and enhancement for fish and wildlife including bighorn sheep, mule deer, western gray squirrel, golden eagle, butterflies, amphibians, steelhead, bull trout, Chinook.

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

See management plan (Goals, objectives, and performance measures) for Chelan Wildlife Area.

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 units of the wildlife area.

Proposed measures to avoid or reduce shoreline and land use impacts are: [N/A](#)

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.](#)