

SEPA

ENVIRONMENTAL CHECKLIST

A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)
Upper Winchester Wasteway Complex – Wetland Enhancements and Restoration
2. Name of applicant: [\[help\]](#)
Richard Finger – Lands Operation Manager, Washington Department of Fish and Wildlife (WDFW)
3. Address and phone number of applicant and contact person: [\[help\]](#)
Washington Department of Fish and Wildlife
c/o Richard Finger
1550 Alder Street NW
Ephrata, WA 98823

509-754-4624 x229
Richard.Finger@dfw.wa.gov
4. Date checklist prepared: [\[help\]](#)
March 8, 2018
5. Agency requesting checklist: [\[help\]](#)
Washington Department of Fish and Wildlife.
6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)
April 2018 – June 2021
Work would occur in when water levels are lowest, which typically occurs in late winter (February and March) or later in the summer (June through August)
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)
None at this time.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)
Engineering Design (Attached)
Wetland Delineations (Attached)
Cultural Resources Survey (Attached)

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. [\[help\]](#)

None known

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

JARPA submitted, which covers:

Shoreline Permit

City/County critical ordinances review

WDFW HPA

Section 401 (ECY - water quality certification)

Section 404 (ACE – discharges into US water)

Section 10 (ACE – work in navigable waters)

SEPA - Environmental Checklist

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

The primary objectives are to improve wetland habitat to support higher species diversity and higher numbers of waterfowl, shorebirds, water birds, song birds, reptiles, amphibians, and mammals for wildlife conservation and public recreation. The long-term goals of this project are to improve wetland function, increase palustrine emergent marsh habitat in an area heavily utilized by waterfowl, and support migrating, nesting, and brood rearing waterfowl and shorebirds.

This project will accomplish 173 acres of improvements on critical wetland habitats by improving wetland function and increasing palustrine emergent habitats in an area heavily utilized by waterfowl throughout the year, and with very high value for public recreation. Activities will restore 91 wetland acres by excavating sediment from basins that have gone dry, and enhance another 123 wetland acres by creating new water delivery swales to basins that have lost most of their water supply. The proposed tracts are owned by the BOR and managed in perpetuity by WDFW.

Tract 1 activities: This project will improve wetland function and wildlife habitat in an area that is open to the public. Wetland function will be restored by excavating sediments. Approximately 91 acres within nine former wetland basins will have the top 1-2 ft of excess sediment excavated (85,350 cubic yards total) to restore shallow, emergent marsh habitats **Tract 2 activities:** Approximately 123 acres of palustrine emergent wetlands will be enhanced by the construction of three new swales to improve water delivery. Seepage from the irrigation wasteway canal supplies water to large wetlands upstream of the project wetlands, but sedimentation and tall, emergent vegetation has altered the flow regime, preventing sufficient water from reaching the project wetland basins. Three new swales will be created to supply water to approximately 123 acres of degraded wetlands. The three swales are the following dimensions: swale 1 = 411 linear feet (LF); swale 2 = 232 LF; and swale 3 = 167 LF. Swales will have a 10 ft bottom width and 3:1 side-slopes. Implementation is planned for fall of 2018, and wetlands will fill with water immediately after construction, providing fall migration and wintering habitats.

These projects are part of a large-scale, long-term effort to evaluate and improve wetlands within the 34,920 acre Desert Unit, one of the management Units within the CBWA, which contains over 7,500

acres of wetlands and ponds in various states of succession. DU, WDFW and other partners anticipate a decade of work to evaluate and improve the wetlands throughout the Desert Unit. DU and WDFW have already successfully performed initial feasibility investigations at three other sites within the Desert Unit.

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 project area is ~ 9 miles west southwest of Moses Lake in Grant County Washington and can be found on USGS Quads Winchester SE and Winchester SW. It is located approximately 2 miles southwest of the intersection of Interstate 90 and Dodson Road S. Project coordinates are: 47°04'41.7"N 119°37'54.8"W for wetland Excavations and 47°03'49.3"N 119°37'18.1"W for ditch enhancements. There is no address, but Township/Range/Section numbers include T18 R25 S1 and S12; tax parcel numbers are 151569000, 151568000, 15169000, and 160273001. See Figure 1 map.

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

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

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

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

The landscape is generally flat with a series of shallow depressions (i.e., basins) between low ridges less than 5m in height.

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

0-15% (sources: Soil Survey of Grant County, USDA 1984, Frenchman Hills Wetland Delineation Report 2016)

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. [\[help\]](#)

97- Quincy Fine Sand and 176-Wanser Quincy fine sands (~55% Wanser sands / 25% Quincy fine sands). Wanser is deep, poorly drained, sodium-salt affected, and prone to wind erosion; it is associated with salt grass, alkali bluegrass, rushed, and reeds. The soil belongs to subclass VIIe (severe limitations for agriculture due to wind erosion; sources: Soil Survey of Grant Co., USDA 1984, Frenchman Hills Wetland Delineation Report 2016).

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

The soils on this site are prone to wind erosion and there is evidence of past active dune movement; however, most sites within the project area are now sufficiently vegetated to control wind erosion.

- 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. [\[help\]](#)

This project will improve wetland function and wildlife habitat in an area that is open to the public. Wetland function will be restored by excavating sediments, thus restoring palustrine emergent marsh in four large basins that encompass 91 wetland acres. Water is supplied from an adjacent, irrigation wasteway canal via subsurface groundwater seepage.

There will an additional 123 acres of palustrine emergent wetlands will be enhanced by the construction of three new swales to improve water delivery. Seepage from the irrigation wasteway canal supplies water to large wetlands upstream of the project wetlands, but sedimentation and tall, emergent vegetation has altered the flow regime, preventing sufficient water from reaching the project wetland basins.

Specific results include the following. Wetland Excavations (1) Excavate the top 1-2' of sediment to place the bottom of each basin 6" to 1.5 feet into the existing groundwater table, and increase palustrine emergent marsh. Sideslopes of the wetland basins will be gently graded into uplands to provide shallow water habitats for shorebirds. Excavated sediment will be added to adjacent uplands and seeded with native vegetation; shorelines will consist of <20% slope to provide loafing and foraging areas for shorebirds and waterfowl. (2) Reduce tall emergent vegetation to increase wetland plant diversity. (3) Improve uplands for nesting and loafing for waterfowl and other wildlife by planting beneficial native vegetation. (4) Create new roads and improve existing roads that provide access to the wetland basins, which will also improve the ability to manage the wetlands. Ditch Enhancements: (1) Create three new swales to connect project wetland areas to other areas that receive water from the irrigation wasteway canal, to ensure adequate water supply to project wetlands. (2) Reduction of tall emergent vegetation will diversify wetland vegetation communities.

Monitoring: WDFW manages these lands in perpetuity and staff perform seasonal and annual duties such as weed control, water management, prescribed burns, and monitoring of project functions. WDFW will use results from annual plant assessments and wildlife surveys to continually inform management decisions on the project area. The project area will be managed to maintain early successional and fish-free wetlands, with less than 20% tall emergent vegetation within each wetland basin.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Yes, but upland areas that will be enhanced could be subject to wind and rain erosion if they are not planted with vegetation. Efforts will be taken to quickly revegetate all disturbed areas as quickly as possible.

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

None

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

Levees will be compacted and have a 3:1 (horizontal : vertical) slope. All enhanced upland areas and bare-soil caused by the project will be seeded with various mixtures of drought-tolerant native willow, bunch grasses, or similar species, or will be covered with straw mulch while awaiting re-growth once work is completed.

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. [\[help\]](#)

Emissions from earth-moving equipment would be released during construction; although, would be short-lived and within air quality standard limits.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

No

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

Equipment will be maintained in good operating condition

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 project site is a series of wetlands within close-proximity to Winchester Wasteway. The Winchester Wasteway is a vital artery of the Columbia Basin Irrigation Project, and its purpose is to carry irrigation run-off from hundreds of acres of agricultural lands to Potholes Reservoir.

- 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. [\[help\]](#)

The proposed work will create three swales and excavate nine wetland basins that are adjacent to the Winchester Wasteway. (See Attachments)

- 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. [\[help\]](#)

Wetland excavations will encompass approximately 91 acres within 9 wetland basins will have the top 1-2 ft of excess sediment excavated (85,350 cubic yards total) to restore shallow, emergent marsh habitats. The ditch enhancements will create three new swales to supply water to approximately 123 acres of degraded wetlands. The three swales are the following dimensions: swale 1 = 411 linear feet (LF); swale 2 = 232 LF; and swale 3 = 167 LF. Swales will have a 10 ft bottom width and 3:1 side-slopes. There will be three hard crossings constructed along a track that will have geotextile fabric underneath approximately 1.5-2 ft of rock, and will be about 12-wide with lengths of approximately 40 feet, 40 feet and 120 feet.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)
The proposed work would take place during seasons when the wetlands are normally dry or have very low water levels.
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)
Yes. See the wetland Delineation Report (See Attachments)
- 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. [\[help\]](#)
No waste materials will be discharged to any surface waters.

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. [\[help\]](#)
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. [\[help\]](#)
Low precipitation (< 9"/year) combined with permeable soils should allow for very little runoff in the project areas. If runoff does occur, it will end up in the basins enhanced by the project, which will augment and benefit water entering the ponds from Winchester Wasteway.
- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
Not Applicable
- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)
The project will create three swales/inlet ditches to supply water to approximately 123 acres of degraded wetlands and will restore the functionality of 91 acres of late successional wetlands. There will be no impact to drainage at either site.

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

Disturbed soils will be seeded for the purpose of establishing vegetative cover to reduce erosion and runoff.

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

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

Approximately 91 acres of late-successional emergent wetland vegetation would be removed during excavations (*Phragmites* species, bulrush, cattails). There will be minimal disturbance to adjacent uplands areas (<10 acres), and efforts will be taken to further minimize the impacts of machinery on the vegetation located there. Topsoil excavated will be retained and returned to the wetlands to allow for rapid regeneration through the seedbank. Contoured wetland areas will primarily deepen already existent wetland areas, while upland areas will increase in height and surface area.

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

No federally threatened or endangered species are known to use the site. Two state species of special concern were found nesting in the area in the 1980s/90s (Forster's tern and Black tern).

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

Material contoured from basins will be returned, or deposited on adjacent islands or used to create new islands within the existing wetlands. Topography will be shaped to conform to adjacent terrain, and seeded with native vegetation. Moist soil adjacent to the perimeter of excavated basins is expected (as noted in past observations) to quickly support wetland and moist-site plants common to the area without being seeded.

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

Phragmites spp. (non-native), reed canary grass, carp, mosquitofish, bullfrogs

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. [\[help\]](#)
Birds: American white pelican, 9 hawk species, 5 owl species, great-blue herons, 19 duck species, Canada geese, grebes, swans, double-crested cormorants, terns, gulls, killdeer, rails, doves, and many songbird species
Mammals: deer, coyote, cougar, muskrat, beaver, raccoons, small rodents and insectivores, bats, mink, skunks and weasels
Herpetofauna: bullfrogs (non-native), tiger salamanders, painted turtles, garter snake, pacific chorus frogs, spadefoot toads
Fish: Non-natives, including carp, largemouth bass, bluegill, mosquitofish. Remote possibility a few native species survive the water conditions and are able to make their way into this stretch of the waterway from Potholes Reservoir or Crab Creek.

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
None known

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)
Yes. The site is located within the Pacific Flyway and is used extensively by waterfowl, raptors, shorebirds and songbirds during annual migrations.

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)
All actions proposed (contouring, swale installation, etc) are intended to improve wetland function and increase open water and nesting/loafing habitat, which will improve habitat for waterfowl and other wildlife species.

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

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. [\[help\]](#)

Not applicable

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

No

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

Not applicable

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. [\[help\]](#)

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

Earth-moving machines could leak small quantities of gas or oil accidentally if they are not well-maintained. Machines will be checked prior to work to ensure no leaks are evident.

- 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. [\[help\]](#)
Not applicable
- 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. [\[help\]](#)
Small (<5 gallon) cans of gasoline and oil may be brought to the site and stored on trucks for refueling earth-moving machines. Only appropriate containers will be used.
- 4) Describe special emergency services that might be required. [\[help\]](#)
Human injuries would be dealt with by on-site staff. 911 would be called for any emergency situation, with the nearest hospital approximately 15 miles from the project area. Staff will have cell phones, cell reception, and no one will work alone when earth-moving machines are involved.
- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)
No environmental health hazards are anticipated.

b. Noise [\[help\]](#)

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)
The project area is distant from roads, residential and commercial activities. No local activities are expected to affect the project.
- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [\[help\]](#)
Short-term noise would include that produced by earth-moving machines. No long-term noise will arise.
- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)
None. Project area is over 0.5km from residential areas.

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 project site provides valuable habitat for waterfowl and other wildlife. It is used by recreationists for hiking, bird-watching, and hunting. Adjacent properties are natural areas including a wildlife reserve, which provides valuable habitat and refuge for wildlife.
- 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? [\[help\]](#)

No

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: [\[help\]](#)

No

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

There are no structures on site and the Cultural Resources Survey did not find anything of cultural significance.

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

No

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

Rural remote

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

Fish and wildlife management areas within the Columbia Basin Wildlife Area (Critical Area Ordinance, Grant County GMA).

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Rural Conservancy

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

No

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

None

j. Approximately how many people would the completed project displace? [\[help\]](#)

None

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

Not applicable

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

The work will not change the land uses in any way. The proposed work will help us achieve management objectives outlined in the Columbia Basin Wetland Management Plan.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

Not applicable

9. Housing [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

Not applicable

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

Not applicable

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

Not applicable

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? [\[help\]](#)

Not applicable

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

Not applicable

- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

All contouring will be conformed to match neighboring topography, and will be seeded with native vegetation.

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

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

Not applicable

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

[\[help\]](#)

Not applicable

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

Not applicable

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

Not applicable

12. Recreation [\[help\]](#)

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

[\[help\]](#)

Hunting, hiking, bird-watching

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

No

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

Not applicable

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. [\[help\]](#)

A Cultural Resources Survey was conducted and nothing of cultural significance was discovered during the assessment.

- 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. [\[help\]](#)

None

- 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.

A cultural resource survey was performed (See Figure 3).

- 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. [\[help\]](#)

Work will be performed in areas approved by the Cultural Resources consultant and per plans outlined through permitting processes. Any new findings related to cultural resources that may arise during work will be reported immediately to the WDFW archeologist for direction on how to proceed. WDFW incidental discovery protocols will be implemented if there are any cultural resources discovered. Additionally, copies of the protocol will be provided to all personnel on site during all implementation activities.

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. [\[help\]](#)

The site is not within ¼ mile of any paved public road. Gravel access roads are adjacent to the project area, but are behind locked gates throughout the year. The public can hike in, but driving is restricted outside of hunting season in the immediate project area.

- 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? [\[help\]](#)

No. The nearest public transportation (bus or train stop) is over 5 miles from the site.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

No new parking areas will be created.

- 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).

There will be three hard crossings constructed along a track that will have geotextile fabric underneath approximately 1.5-2 ft of rock, and will be about 12-wide with lengths of approximately 40 feet, 40 feet and 120 feet. This unimproved roadway will aid future maintenance and will reduce impacts to wetlands and adjacent wetlands.

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

No

- 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? [\[help\]](#)

None

- 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. [\[help\]](#)

No

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

Not applicable

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)? If so, generally describe. [\[help\]](#)

No

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

Not applicable

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

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

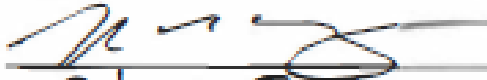
None

- 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. [\[help\]](#)

None

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 Rich S. Finger
Position and Agency/Organization Leads Operations Manager
Date Submitted: 3/8/2018