# CHECKLIST ENVIRONMENTAL ASSESSMENT

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|---|---|
| **Project Name:** | Jappe EQIP water pipeline |
| **Proposed Implementation Date:** | Summer 2018 |
| **Proponent:** | Larry Jappe |
| **Location:** | 23N 15E 16 |
| **County:** | Chouteau |
| **Trust:** | Common |

## I. TYPE AND PURPOSE OF ACTION

Larry Jappe is proposing to cross a small corner of state land with a water pipeline and place a water tank on the border with deeded land as part of an EQIP project.

## II. PROJECT DEVELOPMENT

### 1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:

*Provide a brief chronology of the scoping and ongoing involvement for this project.*

The Department of Natural Resources and Conservation (DNRC)
Northeastern Land Office (NELO)
Surface Lessee: Lawrence V Jappe III

### 2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:

The DNRC, and NELO have jurisdiction over this proposed project.

This is an EQIP project funded and approved by the NRCS but there is no federal jurisdiction on state surface management.

### 3. ALTERNATIVES CONSIDERED:

**Alternative A (No Action)** – Under this alternative, the Department does not grant permission for a water improvement.

**Alternative B (the Proposed Action)** – Under this alternative, the Department does grant permission for a water improvement.

## III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" If no impacts are identified or the resource is not present.*

## 4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

*Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.*

**Tables — Erosion Hazard (Off-Road, Off-Trail) — Summary By Map Unit**

**Summary by Map Unit — Chouteau County Area, Montana (MT615)**

Summary by Map Unit — Chouteau County Area, Montana (MT615)

| Map unit symbol | Map unit name | Rating | Component name (percent) | Rating reasons (numeric values) | Acres in AOI | Percent of AOI |
|---|---|---|---|---|---|---|
| 79C | Yamacall loam, 4 to 8 percent slopes | Slight | Yamacall (85%) | | 9.4 | 15.8% |
| | | | Calcareous surface layers (8%) | | | |
| | | | Saline and sodic soils (3%) | | | |
| | | | Yamacall (2%) | | | |
| | | | Busby (2%) | | | |
| 94B | Busby fine sandy loam, 0 to 4 percent slopes | Slight | Busby (85%) | | 2.2 | 3.7% |
| | | | Yamacall (5%) | | | |
| | | | Yetull (5%) | | | |
| | | | Twilight (5%) | | | |
| 94C | Busby fine sandy loam, 2 to 8 percent slopes | Slight | Busby (85%) | | 5.0 | 8.3% |
| | | | Chinook (5%) | | | |
| | | | Yamacall (5%) | | | |
| | | | Twilight (5%) | | | |
| 98B | Kremlin loam, 0 to 4 percent slopes | Slight | Kremlin (85%) | | 26.6 | 44.5% |
| | | | Degrand (5%) | | | |
| | | | Ethridge (5%) | | | |
| | | | Kremlin (3%) | | | |
| | | | Chinook (2%) | | | |
| 653F | Fleak-Twilight-Yetull complex, 25 to 70 percent slopes | Moderate | Twilight (30%) | Slope/erodibility (0.50) | 16.6 | 27.8% |
| | | | Bascovy (3%) | Slope/erodibility (0.50) | | |
| | | | Slopes of 8 to 25 percent (3%) | Slope/erodibility (0.50) | | |
| 793B | Yamacall clay loam, 0 to 4 percent slopes | Slight | Yamacall (85%) | | 0.0 | 0.0% |
| | | | Saline and sodic soils (5%) | | | |
| **Totals for Area of Interest** | | | | | **59.8** | **100.0%** |

Soil map units 98B and 79C are the two soils from this chart that will be affected and both of them are rated as slight for off road erosion hazard.

No cumulative effects to geology and soil quality, stability and moisture are anticipated.

## 5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

*Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.*

The proposed project would affect the distribution of water both on the adjacent private land and the state land. A water trough and a water supply line would both be built on the state land changing the distribution and availability of water for livestock on the tract. The water is coming from a well on deeded ground and will be distributed via underground pipelines which should not affect the quality of water.

No cumulative effects to the water resources are anticipated.

**6. AIR QUALITY:**
*What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.*

Air quality may be temporarily and locally affected by equipment during the construction of the line and the tank but the effects will be short term and minimal.

No cumulative effects to air quality are anticipated.

**7. VEGETATION COVER, QUANTITY AND QUALITY:**
*What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.*

The proposed project would disturb very small amounts of surface resources that will be quickly reclaimed.

If re-seeding is necessary the proponent will acquire certified, weed free seed and refer to the Plant Materials Tech Note No. MT-46 (Rev. 4) dated September 2013 for seeding rates.

No noxious weeds previously recorded on any tracts but some invasive weeds are present and will need controlled.

No rare plants or cover types are present.
No long term cumulative effects to vegetation are anticipated.

http://www.nrcs.usda.gov/wps/portal/nrcs/detail/mt/plantsanimals/?cid=nrcs144p2_05773

**8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:**
*Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.*

The proposed project area is in the breaks above the Missouri river but does not have any riverfront. The area that would be disturbed due to this project is directly adjacent to or on cropland therefore no critical habitat will be affected. The disturbance will also be short lived and will quickly be reclaimed.

No cumulative effects are anticipated.

**9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:**
*Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.*

## MAMMALS (MAMMALIA)

3 SPECIES
TOWNSHIP = 023N015E (based on mapped **Species Occurrences**)

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE | HABITAT |
|---|---|---|---|---|---|---|---|---|---|---|
| Corynorhinus townsendii<br>Townsend's Big-eared Bat | Vespertilionidae<br>Bats | G4 | S3 | | Sensitive - Known on Forests (BD, BRT, CG, FLAT, HLC, KOOT, LOLO) | SENSITIVE | SGCN3 | 5% | 87% | Caves in forested habitats |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Fergus, Flathead, Gallatin, Garfield, Granite, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Meagher, Mineral, Missoula, Musselshell, Park, Phillips, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Silver Bow, Treasure, Valley, Yellowstone | | | | | | | | | |
| Cynomys ludovicianus<br>Black-tailed Prairie Dog | Sciuridae<br>Squirrels | G4 | S3 | | Sensitive - Known on Forests (CG) | SENSITIVE | SGCN3 | 15% | 71% | Grasslands |
| | **Species Occurrences verified in these Counties:** Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Fallon, Fergus, Garfield, Golden Valley, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Rosebud, Stillwater, Sweet Grass, Toole, Treasure, Valley, Wheatland, Yellowstone | | | | | | | | | |
| Myotis lucifugus<br>Little Brown Myotis | Vespertilionidae<br>Bats | G3 | S3 | | | | SGCN3 | 3% | 100% | Generalist |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Daniels, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone | | | | | | | | | |

## BIRDS (AVES)

4 SPECIES
TOWNSHIP = 023N015E (based on mapped **Species Occurrences**)

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE | HABITAT |
|---|---|---|---|---|---|---|---|---|---|---|
| Aquila chrysaetos<br>Golden Eagle | Accipitridae<br>Hawks / Kites / Eagles | G5 | S3 | BGEPA; MBTA; BCC17 | | SENSITIVE | SGCN3 | 3% | 100% | Grasslands |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Toole, Treasure, Valley, Wheatland, Wibaux, Yellowstone | | | | | | | | | |
| Ardea herodias<br>Great Blue Heron | Ardeidae<br>Bitterns / Egrets / Herons / Night-Herons | G5 | S3 | MBTA | | | SGCN3 | 3% | 100% | Riparian forest |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Flathead, Gallatin, Garfield, Glacier, Golden Valley, Granite, Hill, Jefferson, Judith Basin, Lake, Lewis and Clark, Liberty, Lincoln, Madison, Mccone, Meagher, Mineral, Missoula, Musselshell, Park, Petroleum, Phillips, Pondera, Powder River, Powell, Prairie, Ravalli, Richland, Roosevelt, Rosebud, Sanders, Sheridan, Silver Bow, Stillwater, Sweet Grass, Teton, Treasure, Valley, Wheatland, Wibaux, Yellowstone<br>**State Rank Reason:** Small breeding population size, evidence of recent declines, and declining regeneration of riparian cottonwood forests due to altered hydrology and grazing. | | | | | | | | | |
| Athene cunicularia<br>Burrowing Owl | Strigidae<br>Owls | G4 | S3B | MBTA; BCC17 | Sensitive - Known on Forests (CG) Sensitive - Suspected on Forests (HLC) | SENSITIVE | SGCN3 | 2% | 82% | Grasslands |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Fergus, Gallatin, Garfield, Glacier, Golden Valley, Hill, Jefferson, Lewis and Clark, Liberty, Madison, Mccone, Musselshell, Petroleum, Phillips, Pondera, Powder River, Prairie, Ravalli, Roosevelt, Rosebud, Sheridan, Stillwater, Teton, Toole, Treasure, Valley, Wheatland, Yellowstone<br>**State Rank Reason:** Species has a negative short-term population trend. | | | | | | | | | |
| Centrocercus urophasianus<br>Greater Sage-Grouse | Phasianidae<br>Upland Game Birds | G3G4 | S2 | | Sensitive - Known on Forests (BD) Sensitive - Suspected on Forests (CG, HLC) | SENSITIVE | SGCN2 | 17% | 75% | Sagebrush |
| | **Species Occurrences verified in these Counties:** Beaverhead, Big Horn, Blaine, Broadwater, Carbon, Carter, Chouteau, Custer, Dawson, Deer Lodge, Fallon, Fergus, Gallatin, Garfield, Golden Valley, Hill, Madison, Mccone, Meagher, Musselshell, Park, Petroleum, Phillips, Powder River, Prairie, Rosebud, Silver Bow, Stillwater, Sweet Grass, Treasure, Valley, Wheatland, Wibaux, Yellowstone | | | | | | | | | |

## REPTILES (REPTILIA)

2 SPECIES
TOWNSHIP = 023N015E (based on mapped **Species Occurrences**)

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE | HABITAT |
|---|---|---|---|---|---|---|---|---|---|---|
| Apalone spinifera<br>Spiny Softshell | Trionychidae<br>Softshell Turtles | G5 | S3 | | | SENSITIVE | SGCN3 | 2% | 26% | Prairie rivers and larger streams |
| | **Species Occurrences verified in these Counties:** Big Horn, Blaine, Carbon, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Golden Valley, Musselshell, Petroleum, Phillips, Prairie, Richland, Rosebud, Stillwater, Teton, Toole, Treasure, Wheatland, Wibaux, Yellowstone | | | | | | | | | |
| Heterodon nasicus<br>Plains Hog-nosed Snake | Colubridae<br>Colubrid Snakes | G5 | S2 | | Sensitive - Known on Forests (CG) | SENSITIVE | SGCN2, SGIN | 8% | 63% | Friable soils |
| | **Species Occurrences verified in these Counties:** Big Horn, Blaine, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Garfield, Hill, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Stillwater, Toole, Treasure, Valley, Yellowstone | | | | | | | | | |

## FISH (ACTINOPTERYGII)

5 SPECIES
TOWNSHIP = 023N015E (based on mapped **Species Occurrences**)

| SCIENTIFIC NAME<br>COMMON NAME<br>TAXA SORT | FAMILY (SCIENTIFIC)<br>FAMILY (COMMON) | GLOBAL RANK | STATE RANK | USFWS | USFS | BLM | FWP SWAP | % OF GLOBAL BREEDING RANGE IN MT | % OF MT THAT IS BREEDING RANGE | HABITAT |
|---|---|---|---|---|---|---|---|---|---|---|
| Cycleptus elongatus<br>Blue Sucker | Catostomidae<br>Suckers | G3G4 | S2S3 | | | | SGCN2-3 | 1% | 7% | Large prairie rivers |
| | **Species Occurrences verified in these Counties:** Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Hill, Liberty, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Treasure, Valley, Wibaux<br>**State Rank Reason:** The Blue Sucker is currently listed as an "S2S3" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. | | | | | | | | | |
| Macrhybopsis gelida<br>Sturgeon Chub | Cyprinidae<br>Minnows | G3 | S2S3 | | | SENSITIVE | SGCN2-3 | 17% | 7% | Large prairie rivers |
| | **Species Occurrences verified in these Counties:** Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br>**State Rank Reason:** The Sturgeon Chub is currently listed as an "S2S3" species of concern in Montana because they are potentially at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Population losses from the Fort Peck Section of the Missouri River and the Bighorn River are likely permanent, but recent losses from the Powder River basin are being reversed through recolonization (Stagliano 2014). | | | | | | | | | |
| Polyodon spathula<br>Paddlefish | Polyodontidae<br>Paddlefishes | G4 | S2 | | | SENSITIVE | SGCN2 | 1% | 5% | Large prairie rivers |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Species Occurrences verified in these Counties:** Blaine, Chouteau, Custer, Dawson, Fergus, Garfield, Hill, Liberty, Mccone, Petroleum, Phillips, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br>**State Rank Reason:** The paddlefish is currently ranked "S2" in Montana because it is at risk, because of very limited and/or potentially declining population numbers, range and/or habitat, making it vulnerable to global extinction or extirpation in the state. | | | | | | | | |
| Sander canadensis<br>Sauger | Percidae<br>Perches | G5 | S2 | | | SENSITIVE | SGCN2 | 1% | 15% | Large prairie rivers |
| | | **Species Occurrences verified in these Counties:** Big Horn, Blaine, Carbon, Carter, Cascade, Chouteau, Custer, Dawson, Fallon, Fergus, Garfield, Hill, Liberty, Mccone, Musselshell, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Stillwater, Teton, Treasure, Valley, Wibaux, Yellowstone<br>**State Rank Reason:** The Sauger is currently listed as an "S2" species of concern in Montana because they are at risk of extirpation in the state, because of limited and/or declining numbers, range and/or habitat, even though it may be abundant in some areas. Population losses from the reservoir sections of the Missouri River and the Bighorn River are likely permanent. Competition and hybridization from the introduced walleye is another threat to native sauger populations. | | | | | | | | |
| Scaphirhynchus albus<br>Pallid Sturgeon | Acipenseridae<br>Sturgeons | G2 | S1 | LE | | SPECIAL STATUS | SGCN1 | 10% | 1% | Large prairie rivers |
| | | **Species Occurrences verified in these Counties:** Blaine, Cascade, Chouteau, Custer, Dawson, Fergus, Garfield, Mccone, Petroleum, Phillips, Powder River, Prairie, Richland, Roosevelt, Rosebud, Valley, Wibaux<br>**State Rank Reason:** The Pallid Sturgeon is currently listed as "S1" in MT due to extremely limited and/or rapidly declining population numbers, range and/or habitat, making it highly vulnerable to global extinction or extirpation in the state. The pallid sturgeon is one of the rarest fishes in North America and was federally listed as endangered in 1990. The Pallid Sturgeon has been declining during at least the past 50 years with only about 200 adults remaining in the upper Missouri River and limited natural reproduction. | | | | | | | | |

This tract is in the breaks above the Missouri but does not have any riverfront so no effects to fisheries are anticipated. Temporary displacement may occur during the installation of the proposed water pipeline. No population effect is anticipated.

There are no known unique, endangered, fragile or limited environmental resources on this site.

No cumulative effects to habitat are anticipated.

**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**
*Identify and determine effects to historical, archaeological or paleontological resources.*

A Class I (literature review) level review was conducted by the DNRC staff archaeologist for the area of potential effect (APE). This entailed inspection of project maps, DNRC's sites/site leads database, land use records, General Land Office Survey Plats, and control cards. The Class I search revealed that *Antiquities* have not been identified in the APE. No additional archaeological investigative work will be conducted in response to this proposed development. However, if previously unknown cultural or paleontological materials are identified during project related activities, all work will cease until a professional assessment of such resources can be made.

No effects on historical, archaeological, or paleontological resources anticipated.

**11. AESTHETICS:**
*Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.*

Disturbance will be small and temporary. No direct or cumulative effects to aesthetics are anticipated.

**12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:**
*Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.*

No demands on limited resources are required for this project.

No direct or cumulative effects to environmental resources are anticipated.

**13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:**
*List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.*

There are no other projects or plans being considered on the tracts listed in this EA Checklist.

## IV. IMPACTS ON THE HUMAN POPULATION

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" If no impacts are identified or the resource is not present.*

**14. HUMAN HEALTH AND SAFETY:**
*Identify any health and safety risks posed by the project.*

There will be some safety concerns relating to operation of equipment necessary to the construction of the pipeline that will be managed by the persons doing the construction

Once the installation has been completed, there will be no health and safety concerns associated with this project.

**15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:**
*Identify how the project would add to or alter these activities.*

This project will provide better livestock distribution and utilization on state land and will add value to the tract.

**16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:**
*Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.*

The project will not create any new jobs. No cumulative effects to the employment market are anticipated.

**17. LOCAL AND STATE TAX BASE AND TAX REVENUES:**
*Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.*

There are no direct or cumulative effects to taxes or revenue for the proposed project.

**18. DEMAND FOR GOVERNMENT SERVICES:**
*Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services*

There will not be any increases in traffic or traffic patterns if this project is approved.

There will be no direct or cumulative effects on government services.

**19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:**
*List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.*

There are no zoning or other agency management plans affecting this project.

**20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:**
*Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.*

There will be no direct or cumulative effects on recreation or wilderness activities.

**21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:**
*Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing*

The proposed project does not include any changes to housing or developments. Population and housing will not be affected.

No direct or cumulative effects to population or housing are anticipated.

**22. SOCIAL STRUCTURES AND MORES:**
*Identify potential disruption of native or traditional lifestyles or communities.*

There are no native, unique or traditional lifestyles or communities in the vicinity that would be impacted by the proposal.

**23. CULTURAL UNIQUENESS AND DIVERSITY:**
*How would the action affect any unique quality of the area?*

The proposed project will have no effect on any unique quality of the area.

**24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:**
*Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.*

The proposed project will not have any cumulative economic or social effect.

## V. FINDING

**25. ALTERNATIVE SELECTED:**

**Alternative B (the Proposed Action)** – Under this alternative, the Department does grant an easement for an water pipeline and stock water tank.

**26. SIGNIFICANCE OF POTENTIAL IMPACTS:**

I have evaluated the potential environment effects and have determined that no negative long-term environmental impacts will result from the proposed activity.

**27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:**

| | | | | | |
|---|---|---|---|---|---|
| | EIS | | More Detailed EA | **XXX** | No Further Analysis |

| EA Checklist Prepared By: | Name: Dustin Lenz<br>Title: Land Use Specialist |
|---|---|
| **Signature:** | **Date**: 7/9/18 |

| EA Checklist Approved By: | Name: Barny D. Smith<br>Title: Unit Manager, Northeastern Land Office |
|---|---|
| **Signature:** | **Date**: |