

## CHECKLIST ENVIRONMENTAL ASSESSMENT

<b>Project Name:</b>	<b>SRI Buried Stock Water Pipeline and Stock Tank Request 2018</b>
<b>Proposed Implementation Date:</b>	<b>Spring or Summer, 2018</b>
<b>Proponent:</b>	<b>Lessee, SRI River Holdings, LLC</b>
<b>Location:</b>	<b>T3S R6W Section 19</b>
<b>County:</b>	<b>Madison</b>

### I. TYPE AND PURPOSE OF ACTION

The Lessee, SRI River Holdings, LLC has submitted a proposal to place an improvement on their Montana State Trust Land grazing lease No. 1877 located in the NE¼ of Section 19, T3S R6W. The portion of the improvement located on Trust Land would include burying approximately 1,350 feet of 1.25-1.5” plastic pipeline running from a well located on adjacent private land to a stock tank to be placed in the SENE of Section 19. The project would provide a dependable water source to a dry area.

### II. PROJECT DEVELOPMENT

**1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:**  
*Provide a brief chronology of the scoping and ongoing involvement for this project.*

Dean Waltee, Department of Fish, Wildlife, & Parks Wildlife Biologist  
Patrick Rennie, Department of Natural Resources and Conservation Archaeologist  
Montana Natural Heritage Program

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

No other governmental agencies with jurisdiction or additional permit requirements were identified during the scoping for this proposed project. The project as proposed would involve only Montana Trust Land allocated to the State Normal Schools Grant.

**3. ALTERNATIVES CONSIDERED:**

**Alternative A:** No action alternative. The proposed project would not be approved.

**Alternative B:** Action Alternative: Allow the proponent to install a buried pipeline, and the installation of a single stock water tank.

### 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.*

No fragile, compactable, or unstable soils are present. Construction of the project would entail burying approximately 1,350 feet of 1.25 - 1.5” pipe. Impacts to the soil would be minimized by use of a dozer with a vibra-shank ripper to place the pipe.

**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.*

No surface water resources are located within a mile of the project area. The project would improve water availability for livestock and wildlife and improve cattle grazing distribution on this upland site.

**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 would not be affected by this project.

**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.*

Cover, quantity, and quality of vegetative communities would not be significantly affected by this project due to the low amount of disturbance and use of low impact equipment.

**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 project would increase the availability of water for both livestock and wildlife. This upland site is located approximately 1.25 miles from the nearest naturally occurring surface water source. Construction practices used in the placement of the pipeline and stock tank would be a one-time short duration occurrence to limit disturbance and will not lead to negative cumulative effects on wildlife. A wildlife escape ramp would be placed in the tank for birds and small mammals.

**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.*

The Montana Natural Resource Information Service (NRIS) was queried for information regarding sensitive or endangered species located in the vicinity of the project area. The query results are listed below:

**Great Blue Heron** (*Ardea herodias*) – The Great Blue Heron is currently listed as sensitive by the State of Montana. According to the MNHP site, the blue heron primarily inhabits riparian areas and wetland habitats. This project is part of a plan by the lessee to provide an upland water source for livestock on dry rangeland approximately 1.25 air miles away from the Big Hole River. The site is all dry rangeland and would not impact blue heron habitat.

**Bald Eagle** (*Haliaeetus leucocephalus*) – Bald eagles are a protected species under U.S. Fish & Wildlife Service regulations, it is also a BLM sensitive species and classified in the State of Montana as a species potentially at risk. The proposed project will not alter the existing vegetative community type and would not influence use of the area by bald eagles. The project would not have cumulative effects on bald eagle habitat or species distribution in the area.

**Bobolink** (*Dolichonyx oryzivorus*) – Bobolinks are listed as sensitive by the U.S.D.I. Bureau of Land Management. According to the MNHP website, the bobolink prefers habitat consisting of tall grass areas typical of moist sites. The well and stock tank project is located in short grass vegetation on a dry site. The project will not affect bobolink habitat.

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**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**

*Identify and determine effects to historical, archaeological or paleontological resources.*

Patrick Rennie, DNRC Archaeologist, was consulted regarding possible cultural resources inside the proposed project area. He found no cultural resource listings in a search of the database. A field inspection by Patrick Rennie & Chuck Maddox was conducted on March 26, 2018. No cultural resources were found in the vicinity of the proposed project.

**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.*

The project is not located on a prominent topographic feature and will not alter aesthetics of the area.

**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 for additional environmental resources are required for this project. No cumulative effects to environmental resources should result from this project.

**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.*

No other studies, plans, or projects were identified during the scoping for this project.

**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.*

No health or safety risks are posed by the project.

**15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:**

*Identify how the project would add to or alter these activities.*

If approved, this project is designed to improve access to water to aid in improving livestock distribution and forage utilization.

**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 or eliminate permanent jobs in the area.

**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.*

No significant increase in tax revenues are expected as a result of this 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.*

No increased demand for government services are expected as a result of this project.

**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.*

No locally adopted environmental plans will be affected by 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.*

This project will not negatively alter recreational activities in the area. The improved access to upland water sources may increase use of the area by wildlife, enhancing recreational opportunities.

**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.*

No change in population will result from this project.

**22. SOCIAL STRUCTURES AND MORES:**

*Identify potential disruption of native or traditional lifestyles or communities.*

No change in social structures and mores are expected as a result of this project.

**23. CULTURAL UNIQUENESS AND DIVERSITY:**

*How would the action affect any unique quality of the area?*

The action affects water availability in a dry area. The increased water availability should improve both livestock distribution and wildlife use of the upland areas.

**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 return to the State Normal Schools Trust for this project cannot be measured in dollars received. No additional revenue is expected to result from construction of this project as the animal unit months (AUM's) are calculated on a forage production basis. The lessee is expected to harvest that forage and use the AUM's by fencing, placing improvements, and/or herding their livestock. The lessee's stock water pipeline and tank project would increase the overall value of the lease by creating a dependable water source on the affected section and adjacent Trust Land.

<b>EA Checklist Prepared By:</b>	<b>Name:</b> Charles Maddox	<b>Date:</b> 3/26/2018
	<b>Title:</b> Land Use Specialist	

**V. FINDING**

**25. ALTERNATIVE SELECTED:**

**Alternative B:** Action Alternative: Allow the proponent to install a buried pipeline, and the installation of a single stock water tank

**26. SIGNIFICANCE OF POTENTIAL IMPACTS:**

Installation of the stock water pipeline and stock water tank will help disperse livestock over the lease and help better utilize the available forage. No long term or cumulative impacts are anticipated from the implementation of this proposal.

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

EIS                     
 More Detailed EA                     
 No Further Analysis

<b>EA Checklist Approved By:</b>	<b>Name:</b> Timothy Egan
	<b>Title:</b> Dillon Unit Manager
<b>Signature:</b> /S/ Timothy Egan	<b>Date:</b> March 27, 2018

