

## CHECKLIST ENVIRONMENTAL ASSESSMENT

<b>Project Name:</b>	Lease Improvement Request - Spring Development
<b>Proposed Implementation Date:</b>	Winter / Spring 2016
<b>Proponent:</b>	Salmond Ranch Company, PO Box 1327, Choteau, MT 59422
<b>Location:</b>	Sec 33, T24N, R8W
<b>County:</b>	Teton
<b>Trust:</b>	Common Schools

### I. TYPE AND PURPOSE OF ACTION

The proponents have requested authorization to develop a spring on state land for livestock water. The proposed spring development will consist of installing a water collection culvert, burying approximately 100' of water pipeline, installing a stock water tank, and fencing the water source (spring). This project will provide a reliable water source for livestock which will increase distribution of livestock on the state owned tract

### II. PROJECT DEVELOPMENT

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

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

Salmond Ranch Co -Surface Lessees and Proponents, Lease #949  
DNRC-Surface Owner

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

DNRC is not aware of any other agencies with jurisdiction or other permits needed to complete this project.

#### 3. ALTERNATIVES CONSIDERED:

Alternative A (No Action) – Deny Salmond Ranch Co permission to develop the spring.

Alternative B (the Proposed action) – Grant Salmond Ranch Co permission develop the spring.

### 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.*

The proposed action will only require minimal surface disturbance. The site is suitable for spring development and no cumulative impacts to the soils are expected.

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**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.*

There are no documented and/or recorded water rights associated with the proposed project area. Other water quality and/or quantity issues will not be impacted by the proposed action.

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**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.*

The proposed action will not impact the air quality.

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**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.*

Vegetation will be minimally impacted as a result of the spring development construction. Noxious and annual weeds within the proposed construction areas are a concern, but this concern will be mitigated as the proponent is responsible for controlling weeds within the project area. Cumulative impacts on the vegetative resources are not expected as the proposed project area will be reclaimed and reseeded with native plants.

A review of Natural Heritage data through the NRIS was conducted and there were 9 plant species of concern noted. Given the small scope of this project, species of concern are not expected to be impacted.

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**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 area is considered excellent wildlife habitat. This tract provides habitat for a variety of big game species (mule deer, whitetail deer, elk), predators (wolf, grizzly bear, black bear, coyote), other non-game mammals, raptors and various songbirds. The proposal does not include any land use change which would yield changes to the existing habitat. The proposed action will not impact wildlife forage, cover, or traveling corridors. Nor will this action change the juxtaposition of wildlife forage, water, or hiding and thermal cover.

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**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.*

There are no threatened or endangered species, sensitive habitat types, or other species of special concern associated with the proposed project area.

A review of Natural Heritage data through the NRIS was conducted. There were 5 animal species of concern and 19 bird species of concern. Given the small scope of this project, species of concern are not expected to be impacted. If any are present, they may be temporally displaced into surrounding habitat.

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**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**

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

A cultural resource inventory was completed by the Conrad Unit Office on September 1, 2015. No cultural resources were found within the project area, so it is assumed that cultural resources will not be impacted by this proposed project.

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**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 spring development will not affect the aesthetic character of the land.

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**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.*

The demand on environmental resources such as land, water, air, or energy will not be affected by the proposed action. The proposed action will not consume resources that are limited in the area. There are no other projects in the area that will affect the proposed project.

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**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 tract listed on this EA.

<b>IV. IMPACTS ON THE HUMAN POPULATION</b>
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| <ul style="list-style-type: none"><li>• <i>RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.</i></li><li>• <i>Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.</i></li><li>• <i>Enter "NONE" if no impacts are identified or the resource is not present.</i></li></ul> |
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**14. HUMAN HEALTH AND SAFETY:**

*Identify any health and safety risks posed by the project.*

The proposed project will not change human safety in the area.

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

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

The proposed spring development will improve livestock distribution and generally improve the proponent's ranching opportunities on state land.

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**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.*

This project will be completed by the lessee and will not create any new jobs.

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**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.*

The proposed action will not affect the tax base or tax revenues.

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**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*

This project is of a small scale and being funded by the lessee. There will be no excessive stress placed of the existing infrastructure of the area.

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**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.*

The proposed action is in compliance with Federal, State, and County laws. No other management plans are in effect for the area.

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**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.*

The proposed action is not expected to impact general recreational and wilderness activities on this state tract.

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**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 proposal does not include any changes to housing or developments. No direct or cumulative effects to population or housing are anticipated.

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**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.

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**23. CULTURAL UNIQUENESS AND DIVERSITY:**

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

The proposed action will not impact the cultural uniqueness or diversity of the area.

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**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 spring development will improve the long-term viability of grazing use on state land. The addition of the water tank will provide a reliable source of water to the pasture which will positively impact livestock distribution.

<b>EA Checklist Prepared By:</b>	<b>Name:</b> Erik Eneboe	<b>Date:</b> January 15, 2016
		
	<b>Title:</b> Conrad Unit Manager, Central Land Office	

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<b>V. FINDINGS</b>
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**25. ALTERNATIVE SELECTED:**

Alternative B (the Proposed action) – Grant Salmond Ranch Co permission develop the spring.

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**26. SIGNIFICANCE OF POTENTIAL IMPACTS:**

None

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

EIS

More Detailed EA

No Further Analysis

<b>EA Checklist Approved By:</b>	<b>Name:</b> Tony Nickol <b>Title:</b> Land Use Specialist, CLO, DNRC
<b>Signature:</b> /S/ TONY NICKOL	<b>Date:</b> January 15, 2016

