Montana Fish, Wildlife & Parks

Montana Fish, Wildlife & Parks
4600 Giant Springs Road
Great Falls, MT 594405

February 20, 2013

Dear Interested Party:

Montana Fish, Wildlife & Parks (FWP) has developed a draft Environmental Assessment (EA) prepared for the proposed action of an agricultural lease renewal on the Blackleaf Wildlife Management Area (BLWMA). The 9000 acre BLWMA is located approximately 12 air miles west of Bynum along the Rocky Mountain Front occupying land in Teton County. The proposed agricultural lease would allow haying to be utilized as a management tool to remove residual vegetation and improving vegetative condition thus enhancing the availability and palatability of elk and deer forage on the portion of the BLMWA to be hayed. Haying has been successfully used on the BLWMA in the past.

The EA is available at: www.fwp.mt.gov - "Recent Public Notices". If you would like to request a printed version of the EA contact the Region 4 Office at (406) 454-5840. Questions and comments on the EA will be accepted through March 13, 2013.

Written comments can be mailed to the following address:

Blackleaf WMA Haying EA Comments
Montana Fish, Wildlife & Parks
514 South Front Street, Suite C
Conrad, MT 59425

Or email comments to: rrauscher.fwp@gmail.com

Thank you for your interest on this project.

Sincerely,

Graham Taylor
Montana Fish, Wildlife & Parks
Region 4 Wildlife Manager
Great Falls, MT

Enclosed: Draft Blackleaf WMA Haying Environmental Assessment

Montana Fish, Wildlife & Parks
Draft Environmental Assessment

BLACKLEAF WILDLIFE MANAGEMENT AREA HAYING LEASE

PART I. PROPOSED ACTION DESCRIPTION

1. Type of proposed state action:

Montana Fish, Wildlife and Parks (MFWP) propose to lease approximately 125 acres of the Blackleaf Wildlife Management Area (BLWMA) for haying to better manage vegetation for wildlife forage.

2. Agency authority for the proposed action:
FWP has the authority under Section 87-1-210 MCA to protect, enhance, and regulate the use of Montana's fish and wildlife resources for public benefit now and in the future. In addition, in accordance with the Montana Environmental Policy Act, Montana Fish, Wildlife & Parks (MFWP) is required to assess the impacts that any proposal or project might have on the natural and human environments. Further, MFWP's land lease-out policy, as it pertains to the disposition of interest in Department lands (89-1-209) requires an Environmental Assessment (EA) to be written for all new grazing leases, lease extensions or lease renewals.

3. Anticipated Schedule:
The agricultural lease will commence June 1, 2013 and will expire December 31, 2019. Agricultural activities will take place between June1 and August 31 of each year.

4. Location affected by proposed action:

The Blackleaf Wildlife Management Area (BLWMA, Figure 1.) is located approximately 12 air miles west of Bynum (Appendix A). The proposed haying lease includes a portion of the BLWMA as part of an overall 4-year rest rotation grazing system that has been in operation beginning in 2002. See Appendix B for a complete grazing plan.

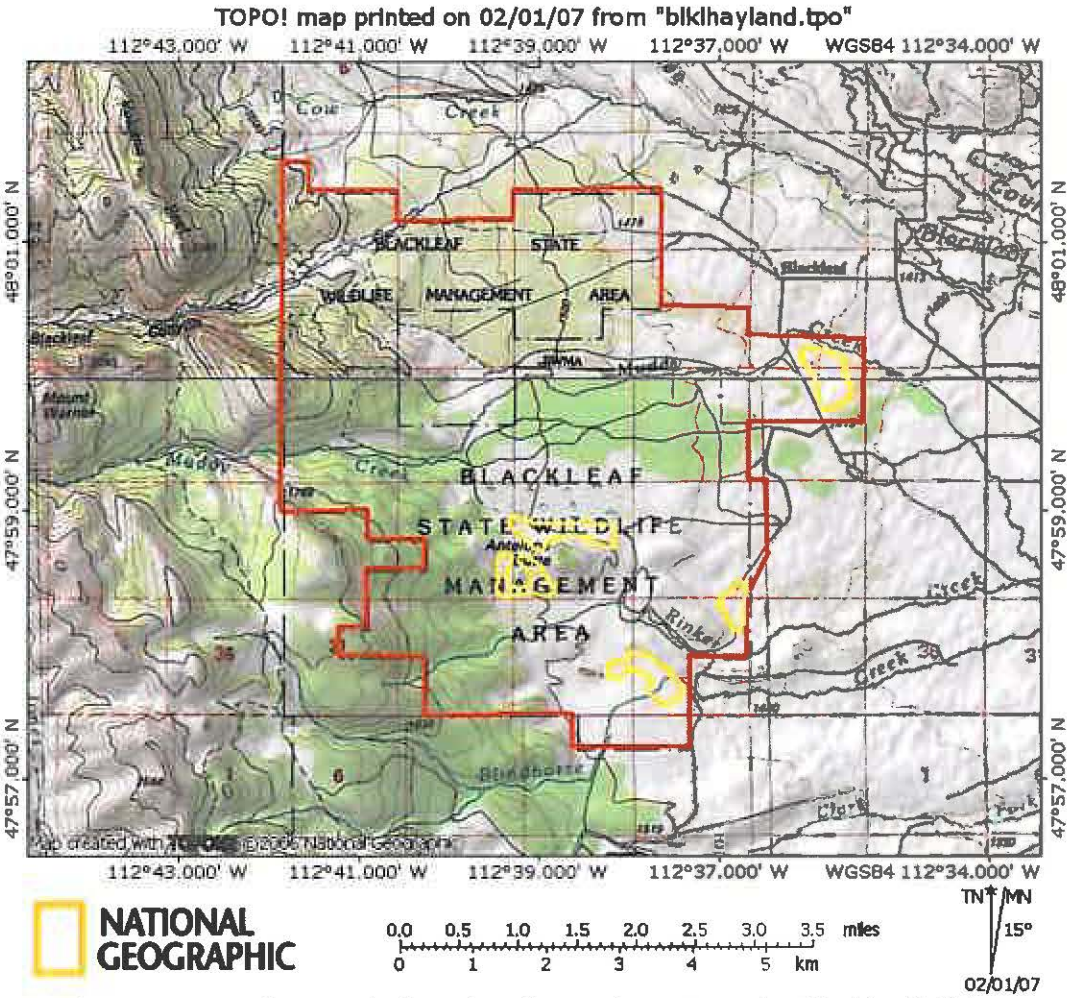

Figure 1. Map of area to be hayed (yellow polygons) on the Blackleaf WMA.

Project size:

	Acres		Acres
(a) Developed:		(d) Floodplain	0
Residential	0		
Industrial	0	(e) Productive:	
(existing shop area)		Irrigated cropland	0
(b) Open Space/	0	Dry cropland	0
Woodlands/Recreation		Forestry	800
(c) Wetlands/Riparian	200	Rangeland	8000
Areas		Other	0

6. Permits, Funding & Overlapping Jurisdictions:

(a) Permits: None required

(b) **Funding:** NA

(c) **Other Overlapping or Additional Jurisdictional Responsibilities:** None

7. **Narrative summary of the proposed action:**

The Blackleaf Wildlife Management Area (BLWMA) encompasses over 9,000 acres, all managed by MFWP. The proposed action is to continue a share-crop agreement with a long-time, competent lessee whereby the lessee hays approximately 125 acres of sub-irrigated haylands and retains an unspecified amount of hay. The areas to be treated are sub-irrigated, historically cultivated, tame grass fields. Haylands are included as part of a 4-year rest rotation grazing system that has been in operation beginning in 2002 and are hayed on a rotational basis in accordance with the 4-year rest rotation grazing system. Not all haylands are treated annually. Haylands that are grazed may not be treated in the same season. Haylands that are grazed with be reviewed by a department representative to determine suitability for haying the following season.

One of the primary goals for the BLWMA is to emphasize the occurrence of highly productive, plant communities that will provide the best possible quality forage for native wildlife species. Without treatment, the areas proposed for haying area (Figure 1.) would mature into stands of rank, minimally productive vegetation that is unpalatable for native ungulates. Haying stimulates new production which in turn is sought and used heavily by ungulates on the WMA. The proposed action is to hay these areas to encourage new production which is sought and utilized heavily by native ungulates. The primary objective is to retain elk on the BLWMA during spring and winter months and reduce elk presence on nearby private agricultural lands and reduce elk game damage. These haylands have been under lease with the same lessee since 2002. The lessee has shown initiative in haying practices and has maintained the fields in good condition, and has fulfilled all conditions of previous leases.

Ungulates, elk, mule and white-tailed deer and pronghorn antelope, currently use the BLWMA throughout the year. Proposed haying will continue to enhance the increased production of palatable forage according to the 4-year rotational schedule. As a result, the improved forage quality is encouraging the use of the BLMWA by elk, mule deer and antelope and providing quality forage. Periodic treatment of the haylands will continue enhance winter range habitat and forage for elk and mule deer, which is the primary objective of the current management plan for the Blackleaf (1993).

The grazing capacity of the BLWMA is estimated to be a maximum of 1500 Animal Unit Months (AUMs) annually. During the 4 year rotation, each pasture would be grazed from approximately June 1 – August 31 although actual dates may vary depending upon environmental conditions and number of cattle to be grazed. Following grazing, each pasture will be rested for 3 years. During these rest periods, haylands contained within the pastures may be treated dependent upon climatic conditions. This lease would extend for 7 years from June 1, 2013 through Aug 15, 2019 in accordance with the proposed grazing lease.

8. Description and analysis of reasonable alternatives:

Alternative A: No Action: Agricultural lease will not be renewed and proposed haylands would not be treated.

- Vegetation on haylands would mature into stands of rank, minimally productive vegetation that is unpalatable for native ungulates.
- Decadent residual vegetation will remain, and the area will become unattractive to elk, mule deer and other big game species.
- Mule deer, elk and other big game will likely increase utilization of adjacent private land in the spring and winter periods.
- Continued concern by some neighboring landowners regarding fire danger (build-up of vegetation) on the BLWMA.

Alternative B: Proposed Action: Agricultural lease will be renewed for the mutual benefit of lessee, MFWP, and wildlife.

- Vegetation on haylands would be hayed stimulating new production sought and used heavily by ungulates.
- Provide for better spring green-up vegetation conditions for elk, mule deer and other wildlife species; thereby reducing elk, mule deer and other big game usage of adjacent private property during the spring and winter months.
- Some segments of the general public may disapprove of haying on the BLWMA.
- Continued strong relations with local landowners.
- Promote maximum plant production, vigor and nutrient content.

If the No Action alternative is chosen, MFWP would continue to manage the WMA for the benefit of wildlife species and for public access. Current services and maintenance of the WMA would continue. No impacts to environmental or human resources would be expected to occur.

PART II. ENVIRONMENTAL REVIEW CHECKLIST

Below is the evaluation of the impacts of the Proposed Action.

A. PHYSICAL ENVIRONMENT

1. LAND RESOURCES Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Soil instability or changes in geologic substructure?		X				
b. Disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil, which would reduce productivity or fertility?		X				
c. Destruction, covering or modification of any unique geologic or physical features?		X				
d. Changes in siltation, deposition or erosion patterns that may modify the channel of a river or stream or the bed or shore of a lake?		X				
e. Exposure of people or property to earthquakes, landslides, ground failure, or other natural hazard?		X				

The proposed action would result in no changes to soil conditions since haying has been present on the haylands historically and currently beginning in 2002.

2. AIR Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Emission of air pollutants or deterioration of ambient air quality? (Also see 13 (c).)		X				
b. Creation of objectionable odors?		X				
c. Alteration of air movement, moisture, or temperature patterns or any change in climate, either locally or regionally?		X				
d. Adverse effects on vegetation, including crops, due to increased emissions of pollutants?		X				
e. For P-R/D-J projects, will the project result in any discharge, which will conflict with federal or state air quality regs? (Also see 2a.)		N/A				

The proposed action would not change the ambient air quality at BLWMA. Any dust generated from haying activities would be short in duration and limited to area hayed.

3. WATER Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Discharge into surface water or any alteration of surface water quality including but not limited to temperature, dissolved oxygen or turbidity?		X				
b. Changes in drainage patterns or the rate and amount of surface runoff?		X				
c. Alteration of the course or magnitude of floodwater or other flows?		X				
d. Changes in the amount of surface water in any water body or creation of a new water body?		X				
e. Exposure of people or property to water related hazards such as flooding?		X				
f. Changes in the quality of groundwater?		X				
g. Changes in the quantity of groundwater?		X				
h. Increase in risk of contamination of surface or groundwater?		X				
i. Effects on any existing water right or reservation?		X				
j. Effects on other water users as a result of any alteration in surface or groundwater quality?		X				
k. Effects on other users as a result of any alteration in surface or groundwater quantity?		X				
l. For P-R/D-J, will the project affect a designated floodplain? (Also see 3c.)		N/A				
m. For P-R/D-J, will the project result in any discharge that will affect federal or state water quality regulations? (Also see 3a.)		N/A				

The areas to be treated have been hayed historically since before FWP acquired the lands and most recently beginning in 2002. Therefore renewing the lease will not result in any changes to impacts on surface water, ground water, run-off, or other water rights.

4. VEGETATION Will the proposed action result in?	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Changes in the diversity, productivity or abundance of plant species (including trees, shrubs, grass, crops, and aquatic plants)?			X			4a
b. Alteration of a plant community?			X			4b
c. Adverse effects on any unique, rare, threatened, or endangered species?		X				
d. Reduction in acreage or productivity of any agricultural land?		X				
e. Establishment or spread of noxious weeds?			X		Yes	4e
f. For P-R/D-J, will the project affect wetlands, or prime and unique farmland?		N/A				

4a/b. While vegetation cover and quantity will be decreased by treatment in a specific pasture, vegetation quality will increase following treatment as a part of the 4-year rotational cycle. Haying will enhance the availability and palatability of spring forage in the area and improve overall plant condition. The proposed haying is expected to reduce the potential fire danger from standing vegetation in the hayed pasture. The reduction in fire fuels would be appreciated by adjacent landowners.

4e. The Department currently manages noxious weeds on the BLWMA through chemical control per the guidelines set forth in MFWP's 2008 Integrated Noxious Weed Management Plan. The areas treated by haying would be monitored for new weed infestations.

5. FISH/WILDLIFE Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Deterioration of critical fish or wildlife habitat?		X				
b. Changes in the diversity or abundance of game animals or bird species?			X			5b
c. Changes in the diversity or abundance of nongame species?	X					5c
d. Introduction of new species into an area?		X				
e. Creation of a barrier to the migration or movement of animals?		X				
f. Adverse effects on any unique, rare, threatened, or endangered species?			X			5f
g. Increase in conditions that stress wildlife populations or limit abundance (including harassment, legal or illegal harvest or other human activity)?			X			5g
h. For P-R/D-J, will the project be performed in any area in which T&E species are present, and will the project affect any T&E species or their habitat? (Also see 5f.)			X			5f
i. For P-R/D-J, will the project introduce or export any species not presently or historically occurring in the receiving location? (Also see 5d.)		N/A				

5 b/c/f/g. While haying will reduce the amount of forage in a pasture during the treatment rotation and may temporarily displace ungulates from the area hayed, the project will have a positive long-term impact on elk, mule deer and antelope habitat. The expected short-term positive impact is that mature residual vegetation will be removed, which should enhance spring green-up conditions and provide more palatable forage for grazing wildlife. Haying may also enhance the winter range habitat for elk and mule deer in the long term. Sufficient forage is available to elk, mule deer and other big game on the rest of the BLWMA to offset any short-term loss of forage due to haying operations.

Grizzly bears are present on and around the WMA spring, summer and fall. Grizzly bear presence is recognized by the cooperating lessee. The lessee will take appropriate measures to avoid conflict with grizzly bears. In the event a conflict occurs, all measures will be made to favor the continued presence of the bear on the WMA.

HUMAN ENVIRONMENT

6. NOISE/ELECTRICAL EFFECTS Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Increases in existing noise levels?		X				
b. Exposure of people to serve or nuisance noise levels?		X				
c. Creation of electrostatic or electromagnetic effects that could be detrimental to human health or property?		X				
d. Interference with radio or television reception and operation?		X				

The proposed action would have no effect on existing noise level. The use of haying equipment may temporatily increase noise levels in treatment areas.

7. LAND USE Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of or interference with the productivity or profitability of the existing land use of an area?		X				
b Conflicted with a designated natural area or area of unusual scientific or educational importance?		X				
c. Conflict with any existing land use whose presence would constrain or potentially prohibit the proposed action?		X				
d. Adverse effects on or relocation of residences?		X				

Haying activity would occur outside the time frame of any big game rifle seasons.

8. RISK/HEALTH HAZARDS Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Risk of an explosion or release of hazardous substances (including, but not limited to oil, pesticides, chemicals, or radiation) in the event of an accident or other forms of disruption?		X				
b. Affect an existing emergency response or emergency evacuation plan, or create a need for a new plan?		X				
c. Creation of any human health hazard or potential hazard?		X				
d. For P-R/D-J, will any chemical toxicants be used? (Also see 8a)		N/A				

Chemical spraying is part of FWP's weed management plan to limit the infestation of noxious weeds on its properties per guidance of the 2008 Integrated Weed Management Plan. Weed treatment and storage and mixing of the chemicals would be in accordance with standard operating procedures. No known or anticipated impacts would occur as a result of adopting this proposal.

9. COMMUNITY IMPACT Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of the location, distribution, density, or growth rate of the human population of an area?		X				
b. Alteration of the social structure of a community?		X				
c. Alteration of the level or distribution of employment or community or personal income?		X				
d. Changes in industrial or commercial activity?		X				
e. Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?		X				

The proposed action would have no effect on local communities, increase traffic hazards, or alter the distribution of population in the area.

10. PUBLIC SERVICES/TAXES/UTILITIES Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Will the proposed action have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads or other public maintenance, water supply, sewer or septic systems, solid waste disposal, health, or other governmental services? If any, specify:		X				
b. Will the proposed action have an effect upon the local or state tax base and revenues?		X				
c. Will the proposed action result in a need for new facilities or substantial alterations of any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?		X				
d. Will the proposed action result in increased use of any energy source?		X				
e. **Define projected revenue sources						10e
f. **Define projected maintenance costs.						10f

10e. The haying lease is anticipated to be $700 annually regardless of the amount of hay retained by the lessee.

10f. Additional costs to MFWP will include periodic monitoring of the haying lease. Lessee will be responsible for equipment necessary for implementation of the proposed action

11. AESTHETICS/RECREATION Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of any scenic vista or creation of an aesthetically offensive site or effect that is open to public view?		X				
b. Alteration of the aesthetic character of a community or neighborhood?		X				
c. Alteration of the quality or quantity of recreational/tourism opportunities and settings? (Attach Tourism Report.)		X				
d. For P-R/D-J, will any designated or proposed wild or scenic rivers, trails or wilderness areas be impacted? (Also see 11a. 11c.)		X				

Since the location of the proposed action has been hayed for numerous years, the continuation of the agricultural lease would not alter any new areas within the BLWMA and not interfere with existing recreation activities at the BLWMA. Under the proposed action, no alteration of the current landscape would occur.

12. CULTURAL/HISTORICAL RESOURCES Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. **Destruction or alteration of any site, structure or object of prehistoric historic, or paleontological importance?		X				
b. Physical change that would affect unique cultural values?		X				
c. Effects on existing religious or sacred uses of a site or area?		X				
d. For P-R/D-J, will the project affect historic or cultural resources? Attach SHPO letter of clearance. (Also see 12.a.)		N/A				

No impacts to cultural or historical resources are anticipated.

SIGNIFICANCE CRITERIA

13. SUMMARY EVALUATION OF SIGNIFICANCE Will the proposed action, considered as a whole:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Have impacts that are individually limited, but cumulatively considerable? (A project or program may result in impacts on two or more separate resources that create a significant effect when considered together or in total.)		X				
b. Involve potential risks or adverse effects, which are uncertain but extremely hazardous if they were to occur?		X				
c. Potentially conflict with the substantive requirements of any local, state, or federal law, regulation, standard or formal plan?		X				
d. Establish a precedent or likelihood that future actions with significant environmental impacts will be proposed?		X				
e. Generate substantial debate or controversy about the nature of the impacts that would be created?		X				
f. For P-R/D-J, is the project expected to have organized opposition or generate substantial public controversy? (Also see 13e.)		N/A				
g. For P-R/D-J, list any federal or state permits required.		N/A				

Evaluation and listing of mitigation, stipulation, or other control measures enforceable by the agency or another government agency:

The haying lease agreement between MFWP and the lessee would include all lease stipulations and enforceable control measures. These are identified in the lease agreement and pertinent attachments to same.

PART III. NARRATIVE EVALUATION AND COMMENT

The proposed haying lease on the Blackleaf WMA will be used to improve vegetative conditions for big game species that may utilize the WMA particularly during the spring and winter time periods.

The proposed project is not expected to have significant impacts on the physical or human environment. Identified impacts are expected to be minor and of short duration. The project is expected to benefit wildlife habitat conditions in the long-term.

PART IV. PUBLIC PARTICIPATION

1. Public involvement:

The public will be notified in the following manner to comment on this current EA, the proposed action and alternatives:

- Two public notices in each of these papers: Choteau: *Choteau Acantha* and Great Falls: *Great Falls Tribune*;
- Public notice on the Fish, Wildlife & Parks web page: *http://fwp.mt.gov*.

Copies of this environmental assessment will be distributed to neighboring landowners and interested parties to ensure their knowledge of the proposed project.

This level of public notice and participation is appropriate for a project of this scope having limited and very minor impacts, which can be mitigated.

2. Duration of comment period:

The public comment period will extend for twenty-one (21) days. Written comments will be accepted until 5:00 p.m., March 13, 2013 and can be mailed to the address below:

Blackleaf WMA Haying Lease
Montana Fish, Wildlife & Parks
514 South Front Street, Suite C
Conrad, MT 59405 or email at: rrauscher.fwp@gmail.com

PART V. EA PREPARATION

1. **Based on the significance criteria evaluated in this EA, is an EIS required? (YES/NO)?** No
   - **If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action.** It has been determined that no significant impacts to the physical and human environment will result due to the proposed action alternative, nor will there be significant public controversy over the proposed action; therefore, an Environmental Impact Statement is not required.

2. **Person responsible for preparing the EA:**

   Ryan L. Rauscher, MFWP Area Wildlife Biologist
   514 South Front Street, Suite C
   Conrad, MT 59425
   406-271-7033

APPENDIX A

LEGAL DESCRIPTION FOR BLACKLEAF WMA

File #	TWP	Range	Sec	Description
4077.1(01)	T25N	R08W	03	LOTS 3 AND 4
			04	LOTS 1 AND 2
	T26N	R08W	20	S ½
			21	ALL
			22	W1/2NE1/4, W1/2, SE1/4
			26	W1/2NE1/4, W1/2, NW1/4SE1/4 - SEE DISPOSALS
			27	ALL
			28	ALL
			29	LOTS 1, 2, 3, & 4 AND W1/2E1/2, NW1/4, NE1/4SW1/4, S1/2SW1/4
			30	E1/2NE1/4, SE1/4SE1/4
			31	NE 1/4NE1/4, S1/2NE1/4
			32	N1/2, E1/2SW1/4, SE1/4
			33	ALL
			34	NE1/4, W1/2
4077.1 (02)	T26N	R08W	19	LOTS 1 & 2 AND NE1/4NW1/4, N1/2NE1/4, SE1/4NE1/4
4077.1 (03)	T26N	R08W	19	LOT 4, SE1/4SW1/4, S1/2SE1/4
			30	LOT 1, NW1/4NE1/4, NE1/4NW1/4
4077.1(05)	T26N	R08W	08	SE1/4SW1/4, S1/2SE1/4, CONTAINING 120.00 ACRES
			09	LOTS 6 & 7, W1/2SE1/4, SW1/4 CONT. 326.03 ACRES
			10	SW1/4SW1/4 CONT. 40 ACRES
			15	W1/2NW1/4 CONT. 80 ACRES
4077.1(06)	T26N	R08W	19	LOT 3, S1/2NE1/4, NE1/4SW1/4, N1/2SE1/4. CONSISTING 234.57 ACRES AND SUBJECT TO EASEMENTS FOR RECORD, RESERVATIONS AND EXCEPTIONS. (SEE HARD FILE.)
4077.1 (07)	T26N	R08W	14	S1/2S1/2
			15	S1/2
			16	LOTS 3, 6, AND 7
			17	LOTS 3, 4, W1/2SE1/4, SW1/4
			20	LOTS 1, 2, 3, 4, 5, SW1/4NE1/4, S1/2NW1/4
			22	E1/2NE1/4
			23	N1/2
4077.1(08)	T26N	R08W	07	LOTS 5, 6, 7, E1/2SE1/4, SE1/4 CONTAINING 350.20 ACRES
			08	SW1/4SW1/4 CONT. 40.00 ACRES
			17	LOTS 1 & 2, W1/2NE1/4, NE1/4NW1/4, SW1/4NW1/4 CONT. 240.00 ACRES
			18	LOTS 1, 2, & 4, E1/2W1/2, E1/2 CONT. 590.61 ACRES

APPENDIX B

Grazing Plan – Blackleaf WMA

Blackleaf WMA Grazing Plan and Special Conditions for Pollock Ranch Lease 2013 – 2019.

	Pasture									
Year	**1**	**2**	**3**	**4**	**5a**	**5b**	**6**	**7**	**8a**	**8b**
2013				graze			graze		graze	
2014		*graze*			*graze*					
2015			*graze*			*graze*				
2016	*graze*							*graze*		graze
2017				*graze*			*graze*		graze	
2018		*graze*			*graze*					
2019			*graze*			*graze*				

Pasture 5 is designed to be divided into two pastures, 5a and 5b. Some pastures are larger than others, resulting in more available AUMs some years.

Special Conditions

1. A maximum of 1,500 and a minimum of 500 AUMs will be provided. The rental due the Department of Fish, Wildlife and Parks will be the statewide private land grazing rate average for that year. Annual payments will vary, depending upon size of pastures, numbers of cattle and growing conditions.
2. All livestock grazing (for purposes of this lease agreement) on the Blackleaf Wildlife Management Area shall be restricted to pastures located in T26N, R8W, Sections 14, 22, 23, 26, 27, 28, 29, 30 and 34, (portions thereof) as designated on attached map.
3. The lessee agrees to maintain pasture fences in good functional condition (barbed and electric). The Department agrees to purchase necessary pasture fencing and equipment.
4. Salt and mineral supplement is the responsibility of the lessee; salt grounds shall be moved periodically as designated by the Department representative.

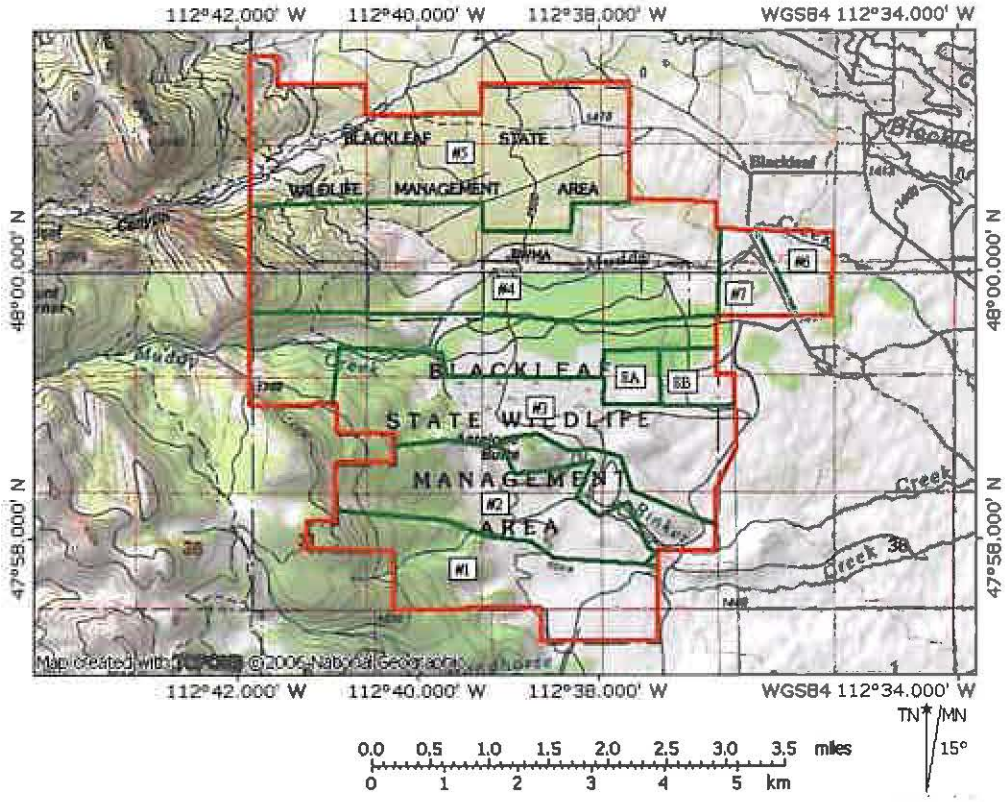

Figure 2. Area of Blackleaf WMA to be grazed during the course of a 4-year rest-rotation grazing system.