

2.0 Alternatives, Including the Proposed Action

Two alternatives, including the proposed action were developed to address the issues outlined in Chapter 1.

The information in this chapter is organized into the following headings:

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 - 2.1.1 Rangeland Health Standards (Riparian and Upland Health, Biodiversity, and Water Quality)
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 - 2.2.1 Rangeland Health Standards (Riparian and Upland Health, Biodiversity, and Water Quality)
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The National Environmental Policy Act (NEPA), and BLM policy require preparation of an EA as an integral component of livestock grazing permit issuance or renewal. At a minimum, the EA must address the following:

- Issuing a new permit with the same terms and conditions as the expiring permit.
- Issuing a new permit based on Standards and Guidelines for rangeland health (proposed action).

2.1 Alternative 1 - Continuation of Current Management. This is the No Action Alternative

Alternative 1 would renew the grazing permits within the watershed with the same terms and conditions as the current permits. No changes would be made and range improvement projects would not be proposed or constructed. Cooperative weed control would not be made a condition of the grazing permit.

2.1.1 Rangeland Health Standards

Livestock grazing would remain consistent with the current permit and no new projects would be constructed to protect/enhance upland, riparian, biodiversity or water resource values. If allotments are currently not meeting standards and guidelines, this alternative would provide no measures for corrective actions. Issue objectives would not be met with this alternative.

2.1.2 Noxious Weeds

The BLM would continue current weed control efforts within the watershed, including chemical, biological and mechanical methods. A limited use of herbicides along the Musselshell River would continue, primarily aimed at salt cedar eradication. Extreme caution would be taken to avoid damage to desirable vegetation, especially woody species. The BLM would continue to develop cooperative agreements with livestock grazing permittees for noxious weed control on upland weed infestations. Under these agreements, the BLM agrees to provide the proper type and amount of herbicide and the permittee agrees to apply the herbicide. Application may be made by the properly licensed permittee or may be contracted to a licensed applicator at the permittee's cost. Biological control efforts would continue through release and dissemination of newly available and established biocontrol agents. Cooperative weed control agreements

would be independent of the terms and conditions of renewed grazing permits. The issue objectives for weeds would be minimally met in this alternative.

2.2 Alternative 2 – Proposed Action

This alternative proposes changes to better manage desirable vegetation, water, soils, wildlife habitat and noxious weeds.

Management changes for those allotments not meeting standards and guidelines for rangeland health are included in the proposed action listed under each grazing allotment in section 2.2.1. No grazing management changes are proposed for allotments currently meeting standards and guidelines.

Vegetation treatments including crested wheatgrass and dense clubmoss conversion would be initiated on some allotments. Noxious weed control efforts would be increased.

Limited range improvement projects are proposed including livestock water developments, crossfences, exclosures, etc. Range improvements proposed by the BLM and permittees for individual allotments are discussed in section 2.2.1, summarized in section 2.2.3, and listed in table form in Appendix I. Opportunities for rangeland health improvement as well as livestock production efficiency were analyzed. It is important to note that range improvement project funding occurs on a yearly basis and although variable from year to year, funding is typically limited and never fulfills the total needs. In addition, even with adequate funding, staffing may limit the amount of project work that can occur in any given year. With this in mind, projects proposed within this watershed plan would be prioritized and implemented based on the following key considerations:

- Allotments not meeting rangeland health standards; livestock grazing is

a significant factor.

- Important resource values exist on the allotment (wildlife habitat, riparian/wetland habitat, fisheries habitat, etc.).
- Multiple resource value benefits would occur from the proposed action (wildlife, range, riparian, etc.).
- Projects are components of a grazing management system (e.g., deferment, rest, etc.).

Current grazing permits would be cancelled and new 10 year grazing permits would be offered with Standards and Guidelines for Rangeland Health and cooperative weed control agreements incorporated into the terms and conditions of the permit (Appendix A & B). In addition, allotment specific terms and conditions may be added to individual permits as identified in 2.2.1.

Pending and future transfers of grazing preference will be approved where management actions, including terms and conditions, continue to meet the objectives described in Chapter 2, proposed actions for each allotment.

2.2.1 Rangeland Health Standards

Standards for livestock grazing developed by the Resource Advisory Council (RAC) (Appendix B) state that rangelands should be meeting or making significant and measurable progress toward meeting the upland, riparian, water quality, air and biodiversity standards for rangeland health. Significant progress toward meeting standards for rangeland health would be accomplished and guidelines followed through a variety of management techniques. Management on allotments that are not meeting standards would be modified to improve resource conditions and meet standards. Rangeland conditions which do not meet standards could be improved with changes to allotment management, including, but not limited to:

- increasing length of rest periods between grazing periods
- changing season of use
- altering livestock turnout location
- changing grazing intensity
- changing grazing duration
- improving livestock distribution

Improved livestock distribution could be achieved through construction of water developments and fences, selective salt and/or mineral placement, and changes to livestock turnout location and season of use. In some cases enclosure fencing would be used to protect upland and/or riparian areas. Specific details are listed by allotment below.

Guidelines for livestock grazing management were developed specifically for this watershed; they are based on the Guidelines for Grazing Management recommended by the RAC with input from the public (Appendix A). Upland objectives were developed for individual allotments on a case by case basis, based on vegetation production and ground cover objectives consistent with the site potential by soil series or ecological site. Under Alternative 2, stubble height or percent utilization limits of key upland grass species would be applied as a monitoring tool to ensure upland objectives and guidelines for livestock grazing management are met. The stubble height or utilization limit is based on studies that demonstrate greater vigor of grasses grazed at moderated levels (Heady 1950, Troxel and White 1989, Vallentine 1990, Van Pollen and Lacey 1997). The most common key forage species for Petroleum County and the eastern portion of Fergus County are: bluebunch wheatgrass (*Agropyron spicatum*), green needlegrass (*Stipa viridula*), and western wheatgrass (*Agropyron smithii*). The forage utilization limit of key upland grass species would be limited to 4 inches (6 inch stubble height for bluebunch wheatgrass) or 50% at the end of the grazing season. Appropriate and timely action would be taken if the stubble height

or percent utilization measurements indicate that grazing management is not achieving the desired upland objectives or if significant progress is not being made toward meeting standards.

During periods of drought, public land livestock grazing management would be administered in accordance with the BLM's Montana/Dakotas drought policy.

Although it is understood that riparian stubble height and woody species utilization does not fill the role of a long-term management objective, they can be used as a direct and indirect guide for current grazing impacts to riparian areas (Clary and Leininger, 2000). Stubble height and woody species utilization will be used as indicators of the current year's grazing impacts. Other methods such as greenline successional status, greenline stability rating, and percent streambank alteration will be used to identify trend in riparian condition. If stubble height indicates that grazing management is not achieving the desired resource values, appropriate and timely action to correct the root cause should be taken (University of Idaho, 2004). Utilization of key riparian grasses would be limited to an average 4 inch stubble height at the end of the grazing season. Key riparian grasses include *Spartina pectinata* (prairie cordgrass), *Agropyron smithii* (western wheatgrass), *Carex* spp. (sedges) and *Scirpus* spp. (bulrushes). Utilization of key palatable woody species such as *Salix* spp. (willows) and *Populus* spp. (cottonwoods) would be limited to light-to-moderate browsing as described in "Browse Evaluation By Analysis of Growth Form, Volume I, Methods For Evaluating Condition and Trend" (Keigley and Frisina, 1998). Failure to meet the stubble height requirement or intense browsing would prompt an assessment of resource condition and indicate the need to make appropriate changes.

Requirements for resting areas from livestock grazing following fire would

depend on a variety of factors including resource objectives, the type of fuel, time of burn, accessibility of the burned area to livestock, and post-burn climatic factors. Typically, a two growing season rest would be required following a wildfire.

Flatwillow Creek and the Musselshell River are listed as water quality impaired by the Montana Department of Environmental Quality in the 303(d) list (MDEQ 2004). Yellow Water Creek, Snoose Creek, McDonald Creek, Box Elder Creek, and North Willow Creek are listed in water quality category 3, which means that there was insufficient data to assess any use. Management actions are proposed on allotments not meeting the water quality standard due to livestock grazing.

Air quality in the Petrolia Watershed is generally considered good to excellent; the air quality standard is being met on all allotments.

The biodiversity standard is being met on the majority of allotments within the Petrolia Watershed. Primary causes for the biodiversity standard not being met are non-native vegetative species and a predominance of dense clubmoss. Allotments may also fail to meet the biodiversity standard due to insufficient residual vegetative cover caused by livestock grazing. Management actions are proposed on allotments not meeting the biodiversity standard due to livestock grazing; proposed actions would lead to significant progress toward meeting the standard. Actions are also proposed on some allotments not meeting the biodiversity standard where livestock grazing is not the primary cause; examples would be crested wheatgrass conversion and dense clubmoss mechanical treatments.

Appendices D, E, and F describe the current status of the allotments and permits in the watershed. Map M1 shows the location of the allotments. A summary table

of standards determinations for each allotment in the Petrolia Watershed is located in Appendix M.

Under Alternative 2, the following actions would be implemented to insure allotments meet the standards for rangeland health or make significant progress toward meeting the standards.

The BLM frequently receives inquiries from organizations, individuals and media for information about grazing permits and permittees. The BLM's Washington Office, in consultation with the solicitor's office, has recommended that such inquiries be treated as Freedom of Information Act requests. Doing so allows the BLM to provide consistent responses and to comply with a Privacy Act notice that covers grazing permits. Until LFO receives further guidance, the names of livestock grazing permittees will not be used in watershed planning documents. This watershed plan is keyed to a numerical system and each permittee was informed, by letter, of which number refers to his/her allotment(s). The permitted use in animal unit months (AUMs) applies only to public land administered by the BLM.

Petrolia Watershed Grazing Allotments:

Identification No. - 001
Petrolia Bench Ranch, Allotment 04901
Public acres – 834
AUMs - 175
Public land – 37%
Livestock No. – 90 cattle
Season of Use – 5/01-10/7
Grazing System - Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment is divided by Highway 200, creating one pasture North and one pasture South of the highway. The permittee proposes splitting the pastures on the permit to accurately reflect livestock utilization.

The current permitted use would be modified;

- North; 61 cattle, 150 AUMs, season of use – 5/1-10/07, 47% active.
- South; 3 cattle, 25 AUMs, season of use – 6/1-2/28, 100% custodial.

Total preference would remain 175 AUMs.

Range Improvements: The permittee proposes a stockwater pipeline within the allotment. The pipeline would originate in T. 14 N., R. 28 E., sec. 1, extending south into the NW¼ of sec. 12 adjacent to an existing 2-track trail. A stockwater tank would be located on private land south of the public land. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide an archeological clearance for the public land portion of this project and BLM or NRCS would provide construction specifications. The permittee would provide all materials and labor for the public and private land portions of this project and assume all maintenance responsibilities.

Identification No. - 002

Maginnis – Allotment 00823

Public acres – 283

AUMs - 31

Public land - 100%

Livestock No. – 3 cattle

Season of Use – 3/1-2/28

Grazing System - Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: Based on management objectives and limited resources, this allotment would continue to be administered as custodial use. The current permitted use would be modified; 4 cattle, 31 AUMs, season of use - 4/1-11/15, 100% custodial. Total preference would remain 31 AUMs.

Range Improvements: The permittee would be required to remove discarded tires from a reservoir located in T. 12 N., R. 30 E., sec. 6, NE¼NE¼ at his expense.

Identification No. - 003
Yellowwater – Allotment 15040
Public acres – 1744
AUMs - 354
Public land - Various
Livestock No. – Pasture A - 4 cattle
 Pasture B – 3 cattle
 Pasture C – 2 cattle
 Pasture D – 34, 37 cattle
 Pasture E – 28 cattle

Season of Use – Pasture A: 3/1-2/28
 Pasture B: 3/1-2/28
 Pasture C: 3/1-2/28
 Pasture D: 5/6-6/01,
 7/23-10/31
 Pasture E: 5/1-8/31

Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1, T2, T5, T6 & T7 locations. Maintain vegetation in late seral at the T4 & T8 locations.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve the riparian area health on Snoose Creek and an unnamed tributary to Yellowwater Creek to Proper Functioning Condition where current riparian health is rated as Functioning at Risk with an upward trend. Improve the riparian area health on an unnamed tributary to Yellowwater Creek to Proper Functioning Condition where livestock grazing and channel incisement are considered

significant factors controlling riparian condition.

- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes

Water Quality Objectives:

- Maintain water quality in Snoose Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The allotment currently contains 5 pastures. BLM proposes renaming the pastures to eliminate confusion caused by the previous nondescript pasture names;

- Homestead (was Pasture A)
- Section (was Pasture B)
- Winter (was Pasture C)
- BLM South (was Pasture D)
- Corrugated (was Pasture E)

The permittee proposes construction of a .5 mi. 4-wire barbed wire fence (smooth bottom wire) in the west portion of the Corrugated Pasture. The fence would remove 65 acres, 15 AUMs of L.U. land from the allotment which had been exchanged to the permittee. The fence would also remove 40 acres, 10 AUMs of another permittee's deeded land exchanged to the permittee. A total of 25 AUMs would be removed from the Corrugated Pasture.

BLM proposes a 120 acre dense clubmoss mechanical treatment in the BLM South Pasture followed by implementation of a 5-pasture rest rotation grazing system. The BLM South Pasture would be rested from livestock grazing for two years following the

dense clubmoss treatment. For the two years the BLM South Pasture is being rested, the Corrugated, Homestead, Winter and Section Pastures would be in a 4-pasture deferred rotation grazing system (reference tables below). The Winter Pasture contains 92% private land and would not be rested in the rest rotation grazing system.

The period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

2007 (1st year BLM South Pasture rested)

	Corrugated	Homestead	Section	Winter
73 cattle	5/1-5/30	5/31-7/19	7/20-8/24	8/25-11/30

2008 (2nd year BLM South Pasture rested)

	Corrugated	Homestead	Section	Winter
73 cattle	11/1-11/30	5/1-6/19	6/20-7/25	7/26-10/31

2009

	Section	BLM South	Winter	Corrugated	Homestead
99 cattle	5/1-6/6	6/7-8/20	8/21-10/31	11/1-11/30	Rest

2010

	Section	BLM South	Winter	Corrugated	Homestead
99 cattle	Rest	5/1-7/8	9/20-11/30	7/9-8/4	8/5-9/19

2011

	Section	BLM South	Winter	Corrugated	Homestead
99 cattle	8/7-9/19	Rest	9/20-11/30	5/1-6/6	6/7-8/6

2012

	Section	BLM South	Winter	Corrugated	Homestead
99 cattle	6/14-7/15	7/16-9/19	9/20-11/30	Rest	5/1-6/13

The permittee has a CMR National Wildlife Refuge (CMR) livestock grazing permit for two pastures adjacent to Winter and BLM South Pastures. Use on the CMR permit is reviewed and approved on an annual basis. The CMR Pasture would be incorporated into the grazing rotation system during the years it is approved. Season of use would

be determined by the CMR with input provided by the BLM and permittee.

The current permitted use would be modified to; 141 cattle, 327 AUMs, season of use 5/1-11/30, 33% active. Total preference would be 329 AUMs.

Grazing use would be in accordance with the rotation outlined in the Petrolia WS Plan. The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The BLM and permittee propose a 120-acre dense clubmoss mechanical treatment located in T. 13 N., R. 25 E., sec. 23, NE, E $\frac{1}{2}$ NW $\frac{1}{4}$, and sec. 24, NW $\frac{1}{4}$ NW $\frac{1}{4}$. The treated area would be completed in a mosaic pattern to emphasize the wildlife benefit of edge effect and to minimize the removal of concentrated stands of Wyoming Big Sagebrush. The mosaic pattern would encourage native vegetation reestablishment within the treated areas. The permittee proposes utilizing an implement to disturb the clubmoss and penetrate the clay layer beneath. Drags or harrows would not be utilized on the proposed project. Livestock grazing would be excluded from the area for two years. The BLM and permittee would enter into a range improvement cooperative agreement; the permittee would provide all labor and equipment for the treatment project. The BLM would provide treatment specifications.

The permittee proposes a .5 mi., 4-wire barbed wire fence (smooth bottom wire) originating at a point of intersection with an existing pasture boundary fence located in T. 14 N., R. 25 E., sec. 35, NW $\frac{1}{4}$ NW $\frac{1}{4}$, extending south .5 mi. on the section line between secs. 34 and 35, terminating at a point of intersection with an existing pasture boundary fence located in T. 14 N., R. 25 E., sec. 35, SW $\frac{1}{4}$ SW $\frac{1}{4}$. The BLM and the permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide

construction specifications for the fence; the permittee would provide all materials and labor and assume all maintenance responsibilities. When the new fence is constructed, an existing fence located in T. 14 N., R. 25 E., sec. 34, SE¼, would be removed by the permittee.

Identification No. - 004
N. Willow Creek, Allotment 04824
Public acres – 4,935
AUMs - 941
Public land – Various
Weede CSGD: 401 AUMs
Livestock No. –
Pasture A: 77 cattle, 20 horses
Pasture B: 1 horse
Pasture C: 19 cattle, 3 horses
Pasture D: 17 cattle
Pasture E: 9 horse
Season of Use –
Pasture A: 5/1-10/31 (C), 5/1-11/30 (H)
Pasture B: 3/1-2/28
Pasture C: 5/16-10/31 (C), 3/1-2/28 (H)
Pasture D: 5/1-10/31
Pasture E: 3/1-4/30, 10/15-2/28
Lower Musselshell: 540 AUMs
Livestock No. –
Pasture C: 56 cattle, 9 horses
Pasture D: 46 cattle
Pasture F: 1 horse
Season of Use –
Pasture C: 5/16-10/31 (C), 3/1-2/28 (H)
Pasture D: 5/1-10/31
Pasture F: 3/1-2/28
Grazing System – Active & Custodial (Both CSGDs)

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1, T2, & T3 locations. Maintain vegetation in late seral stage at the T4 location.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity

are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Maintain riparian area health on the Musselshell River in Proper Functioning Condition. Improve riparian area health on North Willow Creek and the Musselshell River to Proper Functioning Condition where livestock and weeds are considered significant factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- No.

Water Quality Objectives:

- Improve water quality in the Musselshell River where livestock and weeds are considered significant causal factors.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting, and vegetation available for wild herbivores.

Proposed Action: The BLM proposes a change in class of livestock from horses and cattle to cattle only in Pastures A, B, C, E & F.

An unfenced 160 acre, 31 AUM BLM parcel is currently located south of the allotment boundary fence in T. 12 N., R. 30 E., sec. 2. The BLM proposes fencing this parcel with a 4-wire barbed wire fence (smooth bottom wire) to improve riparian and upland health conditions. Livestock grazing would be excluded from the area for a period of at

least three years or until BLM monitoring determines that riparian and upland health are meeting rangeland health standards or making significant progress toward meeting the standards.

When monitoring indicates that rangeland health standards are being met, the BLM proposes removing an existing allotment boundary fence located in T. 12 N., R. 30 E., sec. 2, S½S½. Removal of the existing fence would incorporate the 160 acre, 31 AUM parcel into the south portion of Pasture C.

The BLM proposes a 1.5 mi. 3-wire barbed wire crossfence in Pasture C. Construction of this fence and installation of a cattle guard would create three pastures west of the Mosby road (Pasture D, Pasture C North, Pasture C South). The BLM proposes a 3-pasture rest rotation grazing system as illustrated in the diagrams below:

Period of use and livestock numbers may require adjustment when final fence location is determined by the BLM and permittee.

Period of use would also depend on number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	Pasture C South	Pasture C North	Pasture D
148 cattle	5/1-9/03	9/4-10/31	Rest

Year 2

	Pasture C South	Pasture C North	Pasture D
148 cattle	7/28-10/31	Rest	5/1-7/27

Year 3

	Pasture C South	Pasture C North	Pasture D
148 cattle	Rest	5/1-6/30	7/1-10/31

When the 160 acres (31 AUMs) are incorporated into Pasture C South, livestock numbers and dates would be adjusted as indicated in the diagrams below:

Year 1

	Pasture C South	Pasture C North	Pasture D
153 cattle	5/1-9/7	9/8-11/1	Rest

Year 2

	Pasture C South	Pasture C North	Pasture D
153 cattle	7/25-11/1	Rest	5/1-7/24

Year 3

	Pasture C South	Pasture C North	Pasture D
153 cattle	Rest	5/1-7/1	7/2-11/1

Livestock would be moved to Pasture A on the east side of the Musselshell River each year following completion of the rotation outlined above. This schedule would defer use in Pasture A until late fall every year.

The current permitted use would be modified;

Weede CSGD:

- Pasture A; 123 cattle, 143 AUMs, season of use – 10/5-2/28, 24% active.
- Pasture B; 23 cattle, 13 AUMs, season of use – 3/1-5/1, 27% active.
- Pasture C/D; 43 cattle, 187 AUMs, season of use – 5/1-11/5, 70% active.
- Pasture E; 18 cattle, 38 AUMs, season of use – 11/1-2/28, 54% active. 18 cattle, 20 AUMs, season of use – 3/1-5/1, 54% active.

Total preference would remain 401 AUMs.

Lower Musselshell:

- Pasture C/D; 107 cattle, 533 AUMs, season of use – 5/1-11/6, 79% active.
- Pasture F; 1 cattle, 6 AUMs, season of use – 3/1-2/28, 100% custodial.

Total preference would remain 540 AUMs.

Grazing use would occur in accordance with the rest-rotation grazing system outlined in the Petrolia WS Plan.

Range Improvements: The BLM proposes a 1.5 mi. 4-wire barbed wire (smooth bottom wire) allotment boundary fence originating at a point of intersection with an existing allotment boundary fence located in T. 12 N., R. 30 E., sec. 2, SW $\frac{1}{4}$ SW $\frac{1}{4}$, extending south on the section line approximately .25 mi., cornering at the common corner of secs. 2, 3, 10, & 11, extending 1.0 mi. east, cornering on the common corner of secs. 1, 2, 11 & 12, extending north .25 mi. and terminating at a point of intersection with an existing allotment boundary fence located in sec. 2, SE $\frac{1}{4}$ SE $\frac{1}{4}$.

The BLM also proposes construction of a 1.5 mi., 3-wire barbed wire crossfence originating at a point of intersection with an interior pasture fence located in T. 13 N., R. 30 E., sec. 32, SW $\frac{1}{4}$ NE $\frac{1}{4}$, extending NE .5 mi., cornering and extending east 1.0 mi., terminating at a point of intersection at a proposed cattle guard in the Mosby road. The BLM and the permittee would jointly determine the most feasible fence route location dependant upon topography.

The BLM and permittee would enter into range improvement cooperative agreements for these proposed projects. The BLM would provide all materials and construction specifications for the two fences (3.0 mi.). The BLM and permittee would cooperate in construction and the permittee would assume all maintenance responsibilities for the fence projects.

As discussed in the proposed action above, when the BLM determines the appropriate time, the existing allotment boundary fence located in T. 12 N., R. 30 E., sec. 2, S $\frac{1}{2}$ S $\frac{1}{2}$ would be removed jointly by the BLM and permittee.

A cattle guard would be installed at a point in the Mosby Road located in T. 13 N. R. 30 E., sec. 33, NE $\frac{1}{4}$ NE $\frac{1}{4}$. The BLM would provide the cattleguard and bases and

petition Petroleum County and MDOT for construction specifications and permit to install.

Identification No. - 005
McDonald Creek, Allotment 04902
Public acres – 400
AUMs - 98
Public land – 100%
Livestock No. – 8 cattle
Season of Use – 3/1 – 2/28
Grazing System - Custodial

Meeting Upland Standard:

- No.
- Not livestock caused – (crested wheatgrass).

Upland Objectives:

- Maintain native vegetation in current seral stage.
- Utilize crested wheatgrass to optimize native vegetation capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on BLM land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.
- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. Livestock grazing on the crested wheatgrass portion of the allotment would occur at a time that is conducive to

optimum utilization. The current permitted use would continue; 8 cattle, 98 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 98 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 006
Warhorse Ind., Allotment 15152
Public acres – 611
AUMs - 145
Public land – 92%
Livestock No. – 35 cattle
Season of Use – 6/16 – 10/31
Grazing System - Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Buffalo Creek to Proper Functioning Condition. The current riparian health rating is Functioning at Risk with an upward trend. Current livestock management is not considered a factor, noxious weeds are a factor.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Buffalo Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 52 cattle, 145 AUMs, season of use - 7/1-9/30, 92% active. Total preference would remain 145 AUMs

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried in the riparian area of this allotment. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations within the riparian zone.

Identification No. - 007
South War Horse, Allotment 15153
Public acres – 923
AUMs - 179
Public land – 85%
Livestock No. – 35 cattle
Season of Use – 5/16 – 11/15
Grazing System - Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 38 cattle, 178 AUMs, season of use - 7/1-12/15, 85% active. Total preference would remain 179 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvements are proposed.

Identification No. - 008
Eager Home Ranch, Allotment 15061
Public acres – 562
AUMs - 168
Public land – 100%
Livestock No. – 23 cattle
Season of Use – 3/1 – 2/28
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain native vegetation in late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 23 cattle, 168 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 168 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 009
Box Elder, Allotment 02529
Public acres – 4,092
AUMs – 1,009
Public land – 69%
Livestock No. – 208 cattle
Season of Use – 5/1 – 11/30
Grazing System - Active

Meeting Upland Standard:

- No, not caused by current livestock management. Historical overgrazing on the allotment is known to have occurred.

Upland Objectives:

- Improve native vegetation to late seral stage at the T2 & T3 locations.
- Maintain native vegetation in late seral stage at the T1, T4 & T5 locations.

Meeting Riparian Health Standard:

- Yes.

Riparian Objectives:

- Maintain riparian health on Box Elder Creek in Proper Functioning Condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Box Elder Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The permittee proposes a change in the season of use to incorporate additional private land into the current grazing system. Livestock may be removed from public land in August & September to facilitate the use of private crop residue, then return to public land for late fall/winter grazing.

The current permitted use would be modified; 155 cattle, 1,009 AUMs, season of use - 5/1-2/10, 69% active. Total preference would remain 1,009 AUMs.

Public lands would continue to be managed with private and state lands in the current modified 6-pasture rest-rotation grazing system outlined in the Box Elder AMP. Grazing use would be within the permitted dates. Numbers of cattle may vary depending on the duration of use.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The permittee proposes extending a stockwater pipeline from an existing private water pipeline through BLM beginning at a point located in T. 16 N., R. 26 E., sec. 27, NE $\frac{1}{4}$ SE $\frac{1}{4}$, extending south onto private land in T. 15 N., R. 26 E. Sec. 2, N $\frac{1}{2}$. The pipeline would be approximately 2.25 mi. long. Two stocktanks are proposed on public land; one

located in T. 16 N., R 26 E., sec. 27, NE $\frac{1}{4}$ SE $\frac{1}{4}$, and one located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide construction specifications for the pipeline and stocktank installations on public land. The permittee would provide all materials, labor and accept all maintenance responsibilities for the public and private land portion of the project.

Identification No. - 010
Hubert Coulee, Allotment 02539
Public acres – 40
AUMs – 8
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered

as custodial use. The current permitted use would continue; 1 cattle, 8 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 8 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 011
Aikens, Allotment 04859
Public acres – 30
AUMs – 7
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Maintain upland range health in optimum condition for shallow claypan site with hardpan inclusions.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 7 AUMs, season of

use - 3/1-2/28, 100% custodial. Total preference would remain 7 AUMs. The BLM proposes to change the name of this allotment from Aikens to Home Place to prevent confusion with Allotment 25012.

Range Improvements: No range improvements are proposed.

Identification No. - 012
Sheep Wagon, Allotment 15064
Public acres – 2,344
AUMs – 682
Public land – 65%
Livestock No. – 149 cattle
Season of Use – 5/1-11/30
Grazing System - Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The BLM and permittee propose construction of two crossfences north of the Tin Can Hill road, creating four pastures within the Sheep Wagon Allotment. A 3-pasture rest rotation grazing system would then be implemented as illustrated in the diagrams below. Livestock

may be removed in August & September to facilitate use of crop residue, then return for late fall/winter use. The fourth pasture in the south portion of the allotment would be excluded from the rotation due to the predominance of private farmland. The permittee also proposes three pipeline extensions and fencing out one reservoir to more effectively facilitate the grazing rotation system.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	May	June	July	Aug	Sept	Oct	Nov	Dec
P.1	←			rest				→
P.2	graze	graze	graze					
P.3				graze	graze	graze	graze	graze

Year 2

	May	June	July	Aug	Sept	Oct	Nov	Dec
P.1	graze	graze	graze					
P.2				graze	graze	graze	graze	graze
P.3	←			rest				→

Year 3

	May	June	July	Aug	Sept	Oct	Nov	Dec
P.1				graze	graze	graze	graze	graze
P.2	←			rest				→
P.3	graze	graze	graze					

The current permitted use would be modified;

- Pasture 1-3; 71 cattle, 539 AUMs, season of use - 5/1-12/29, 95% active.
- Pasture 4; 18 cattle, 143 AUMs, season of use – 5/1-12/28, 100% active. Total preference would remain 682 AUMs.

Grazing use would be within the permitted dates. Numbers of cattle may vary depending on the duration of use.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Two permanent 3-wire barbed wire crossfences would be constructed within the allotment.

- Fence 1 would originate at a point located in T. 16 N., R. 27 E., on the section line between secs. 5 & 8, extending approximately 1.25 mi. N, cornering in sec. 5, NW¹/₄, extending an additional 1.25 mi. west, terminating at the allotment boundary fence in sec. 6, NE¹/₄. Total length would be approximately 2.5 mi.
- Fence 2 would originate at a point on Fence 1 in sec. 5, NW¹/₄, extending NE approximately 1.75 mi., terminating at the allotment boundary fence in T. 17 N., R. 27 E., sec. 31, SW¹/₄SE¹/₄.

The BLM and permittee would enter into range improvement cooperative agreements for these proposed projects. The BLM would provide all materials and construction specifications for the proposed 4.25 mi. of fences on public land. The permittee would provide labor and assume all maintenance responsibilities for the public and private land portions of the projects.

The permittee proposes constructing a .75 mi., 4-wire barbed wire fence (smooth bottom wire) around the west portion of the dam located in T. 16 N., R. 27 E., sec. 4, SW¹/₄ to replace the current fence crossing the dam. The permittee would provide all materials and labor and assume maintenance responsibilities for this fence.

Three pipeline extensions are proposed.

- Pipeline extension 1 would originate in T. 16 N., R. 27 E., sec. 8, NW¹/₄NW¹/₄, extending from an existing well approximately 1.25 mi. with a terminal tank in sec. 6, NE¹/₄SW¹/₄.

- Pipeline extension 2 would extend from an existing stocktank located in T. 17 N., R. 26 E., sec. 36, SE $\frac{1}{4}$ SE $\frac{1}{4}$ approximately 1.0 mi. NE with a terminal stocktank in T. 17 N., R. 27 E., sec. 31, SW $\frac{1}{4}$ NW $\frac{1}{4}$.
- Pipeline extension 3 would originate at a private well located in T. 16 N., R. 27 E., sec. 8, NW $\frac{1}{4}$ NE $\frac{1}{4}$, extending north approximately 1.5 mi. where it would spur in sec. 5, SW $\frac{1}{4}$ NE $\frac{1}{4}$. Spur 1 would extend SW approximately .5 mi. with a terminal stocktank in the boundary fence located sec. 5, SE $\frac{1}{4}$ NW $\frac{1}{4}$. Spur 2 would extend east .75 mi. with a terminal stocktank in sec. 5, SE $\frac{1}{4}$ NE $\frac{1}{4}$.

Total length of the proposed pipelines is 5.0 mi.

The BLM and permittee would enter into range improvement cooperative agreements for these proposed projects. The BLM would provide construction specifications and materials for 4.75 mi. of pipeline on the public land portion of the projects. The permittee would provide all stocktanks and labor for the water development project and assume all maintenance responsibilities on public and private land.

Identification No. - 013
 Aikens, Allotment 25012
 Public acres – 920
 AUMs – 150
 Public land – 55%
 Livestock No. – 45 cattle
 Season of Use – 5/5-11/03
 Grazing System - Active

Meeting Upland Standard:
 - Yes.
 Upland Objectives:
 - Maintain vegetation in late seral stage.
 - Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment

Proposed Action: The permittee proposes changing the season of use to allow earlier and later movement of cattle through the allotment, eliminating grazing of the Box Elder Creek riparian area during the hot season.

The current permitted use would be modified; 36 cattle, 150 AUMs, season of use - 5/1-12/16, 55% active. Total preference would remain 150 AUMs.

Grazing use would be within the permitted dates. Numbers of cattle may vary depending on the duration of use.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvements are proposed.

Identification No. - 014
 Yellow Water Creek, Allotment 15085
 Public acres – 800
 AUMs – 217
 Public land – 35% & 100%
 Livestock No. – Pasture A - 95 cattle
 Pasture B – 4 cattle

Season of Use – Pasture A - 5/16-10/20
Pasture B – 3/1-2/28
Grazing System – Active & Custodial.

Meeting Upland Standard:

- No.
- The allotment contains a large percentage of dense clubmoss and crested wheatgrass; current livestock management is not affecting successional status.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Maintain biodiversity utilizing crested wheatgrass to optimize native vegetation capability.

Proposed Action: The current permitted use would be modified;

- Pasture A; 82 cattle, 174 AUMs, season of use - 6/1-12/1, 35% active.
- Pasture B; 4 cattle, 44 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference would remain 217 AUMs.

Pasture A contains three pastures utilized in a 3-pasture deferred rotation grazing system. Pasture B is Russian wildrye utilized in early spring and fall.

In 2005, approximately 10 acres of native vegetation on public land were inadvertently plowed by the base property owner and

seeded to Russian wildrye and alfalfa. The BLM would require the base property owner to reseed the trespass acres to a native seed mix approved by the authorized officer. The seeding would be completed in conjunction with neighboring private land farming within the next five years. The newly seeded public land would be rested from livestock grazing for two growing seasons.

The permittee proposes a .5 mi. livestock water pipeline extension from an existing stocktank to increase livestock distribution in Pasture A.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The permittee proposes a .5 mi. pipeline extension originating in T. 13 N., R. 26 E., on the section line between secs. 14 & 15. The pipeline would extend NE to a terminal stocktank located in sec. 14, NW¼. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide construction specifications for the public land portion of the pipeline; the permittee would provide all materials, labor and assume all maintenance responsibilities for the public and private land portions of the project.

Identification No. - 015
Chippewa, Allotment 02606
Public acres – 1,597
AUMs – 248 active, 48 suspended
Public land – 100%
Livestock No. – 5, 11, 7 cattle
Season of Use – 3/1-12/31
3/1-2/28
3/1-12/31
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain current seral stage on three transect locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue;

- 5 cattle, 57 AUMs, season of use - 3/1-12/31, 100% custodial;
- 11 cattle, 114 AUMs, season of use - 3/1-2/28, 100% custodial;
- 7 cattle, 77 AUMs, season of use - 3/1-12/31, 100% custodial.

Total preference would remain 248 active AUMs and 48 suspended AUMs. .

Range Improvements: The allotment contains leafy spurge and whitetop. The BLM and permittee have signed and implemented a weed control cooperative agreement. No additional range improvements are proposed.

Identification No. - 016
Schulz, Allotment 02666
Public acres – 569
AUMs – 135
Public land – 100%
Livestock No. – 11 cattle
Season of Use – 3/1-2/28

Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain current seral stage on two transect locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 11 cattle, 135 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 135 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 017
Brickyard, Allotment 02611
Public acres – 1,507
AUMs – 324
Public land – 100%
Livestock No. – 27 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Little Box Elder (Brickyard) Creek and Ford's Creek to Proper Functioning Condition. Livestock, weeds, and historic irrigation diversion are considered factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Brickyard Creek and Ford's Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment currently contains 4 pastures. To accurately reflect this, the BLM proposes splitting the four pastures into separate lines on the permit; the Brick Pasture, NW Brick, Sec. 22, and SE Brick. The Brick Pasture would be grazed as part of a 3-pasture deferred rotation grazing system in conjunction with the Spring Creek Allotment as illustrated in the diagrams below. The NW Brick Pasture would be grazed for up to 63 days by 150 cattle and would be used 6/2-8/2 two out of

three years. The third year it would be used after November 1. Grazing use during any grazing year will not exceed 31 AUMs. The pasture is permitted as custodial use to allow the grazing authorization to reflect the total preference of 31 AUMs for the pasture. The Sec. 22 Pasture would be authorized as custodial use to be used as a spring holding pasture. The SE Brick Pasture would be authorized as custodial use.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

2007

	Brick Pasture	South Spring Cr. Pasture	North Spring Cr. Pasture
150 cattle	4/1-5/18	5/19-7/19	7/20-9/1

2008

	Brick Pasture	South Spring Cr. Pasture	North Spring Cr. Pasture
150 cattle	Rest	5/1-7/1	7/2-9/6

2009

	Brick Pasture	South Spring Cr. Pasture	North Spring Cr. Pasture
150 cattle	4/11-5/18	7/25-8/31	5/19-7/24

The current permitted use would be modified;

- Brick Pasture; 154 cattle, 187 AUMs, season of use – 4/10-5/16, 100% active.
- NW Brick Pasture; 150 cattle, 31 AUMs, season of use – 6/1-1/15, 100% custodial.
- Sec. 22 Pasture; 250 cattle, 63 AUMs, season of use – 4/1-4/10, 76% active.
- SE Brick Pasture; 4 cattle, 43 AUMs, season of use – 3/1-1/21, 100% custodial.

Total preference would remain 324 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Riparian areas within the allotment contain whitetop, leafy spurge and Canada thistle. The BLM and permittees have signed and implemented a weed control cooperative agreement. No additional range improvements are proposed.

Identification No. - 018
Degner Pasture, Allotment 02613
Public acres – 1,531
AUMs – 278
Public land – 100%
Livestock No. – Degner Pasture - 44 cattle
Ryan Pasture – 9 cattle
Season of Use – Degner Pasture - 5/20-10/31
Ryan Pasture – 8/1-12/31
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment contains two pastures, the Degner Pasture and the Ryan Pasture. The BLM and permittee propose changing the season of use and livestock numbers in the Degner Pasture.

One out of three years, this pasture could be used by 150 cattle for 47 days; use may begin as early as 6/1. Use during the other two years would occur from 11/1-12/18. The current permitted use would be modified; 33 cattle, 233 AUMs, season of use – 6/1-12/31, 100% custodial.

The current permitted use in the Ryan Pasture would continue; 9 cattle, 45 AUMs, season of use - 8/1-12/31, 100% custodial. Total preference would remain 278 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvements are proposed.

Identification No. - 019
County Line, Allotment 12804
Public acres – 80
AUMs – 16
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting the Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 16 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 16 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 020
Spring Creek, Allotment 15147
Public acres – 2,651
AUMs – 481
Public land – 87%
Livestock No. – 147 cattle
Season of Use – 6/1-9/22
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 location and maintain at PNC at the T2 location.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment consists of two pastures. To accurately reflect this, the BLM proposes to split the pastures into two separate lines on the permit – North Pasture and South Pasture. These two pastures would be incorporated into a deferred rotation grazing system with the Brick Pasture from the Brickyard Allotment (reference Brickyard Allotment). The current permitted use would be modified;

- North Pasture; 57 cattle, 249 AUMs, season of use – 5/1-9/10, 100% active.
- South Pasture; 70 cattle, 233 AUMs, season of use – 5/1-9/10, 76% active.

Total preference would remain 481 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvements are proposed.

Identification No. - 021
Forty-One, Allotment 02664
Public acres – 41
AUMs – 8
Public land – 100%
Livestock No. - 1 cattle
Season of Use – 5/1-10/1
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 8 AUMs, season of use - 5/1-10/1, 100% custodial. Total preference would remain 8 AUMs.

Range Improvements: No range improvements are proposed.

Functioning Condition. The current health rating is Functioning at Risk with an upward trend, and current livestock management is not considered a factor.

Meeting Water Quality Standard:
- Yes.

Water Quality Objectives:
- Maintain water quality in Bear Creek.

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 30 cattle, 354 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 354 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 022
S. Fork Bear Creek, Allotment 14910
Public acres – 1,240
AUMs – 354
Public land – 100%
Livestock No. – 30 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain vegetation in current seral stage on two transect locations.

Meeting Riparian Health Standard:
- No.
Riparian Objectives:
- Maintain riparian area health on Bear Creek in Proper Functioning Condition. Improve riparian area health on Bear Creek to Proper

Identification No. - 023
Grass Range East, Allotment 02673
Public acres – 160
AUMs – 39
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain current seral stage on two transect locations.

Meeting Riparian Health Standard:
- N/A
Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 4 cattle, 39 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 39 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 024
Harris, Allotment 04874
Public acres – 1,824
AUMs – 455
Public land – 100%
Livestock No. – 38 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 location; maintain vegetation in late seral stage at the T2, T3, T4, and T5 locations.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Maintain biodiversity utilizing crested wheatgrass to optimize native vegetation capability.

Proposed Action: The Harris Allotment currently consists of three small pastures and one large pasture. To accurately reflect this, BLM proposes splitting the three small pastures into separate lines on the permit; Pasture A, Pasture B, and Pasture C. The large pasture would be named the Harris Pasture. Pastures A, B, & C would be utilized in a spring and fall rotation to utilize the available crested wheatgrass. These pastures would retain yearlong authorizations. The large Harris Pasture is currently utilized as a summer/fall pasture. The BLM and permittee propose two fencing projects and two stockwater pipeline extensions to create three pastures in the Harris Pasture that would ultimately result in a 3-pasture deferred rotation grazing system.

The permitted use would be modified;

- Pasture A; 1 cattle, 19 AUMs, season of use - 3/1-2/28, 100% custodial.
- Pasture B; 3 cattle, 36 AUMs, season of use - 3/1-2/28, 100% custodial.
- Pasture C; 2 cattle, 26 AUMs, season of use - 3/1-2/28, 100% custodial.
- Harris Pasture; 61 cattle, 361 AUMs, season of use - 7/1-2/28, 74% active.

Total preference would be modified to 446 AUMs.

Forty acres, 9 AUMs, located in T. 17 N. R. 24 E., sec. 32, SW $\frac{1}{4}$ NW $\frac{1}{4}$ is currently permitted to the permittee, however, it is

located in a deeded pasture owned by an adjacent permittee. The adjacent permittee has applied and the permittee has agreed to transfer the 9 AUMs to the adjacent permittee's base property located in sec. 32. As a result, the total preference for this allotment would be reduced 9 AUMs from 455 to 446.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Harris Pasture: The permittee proposes two pipeline extensions from an existing private water source located in T. 16 N., R. 24 E, sec. 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$.

- Pipeline extension 1 would extend .75 mi. NW with one .5 mi. spur extending west into sec. 12 on private land and the second .75 mi. spur extending north into the NW $\frac{1}{4}$ of sec. 7 on public land. Each spur would include one terminal stocktank.
- Pipeline extension 2 would extend NE 1.0 mi. branching in sec. 8, NW $\frac{1}{4}$, with one spur extending west 1.5 mi. through sec. 5 and terminating in sec. 6. Four stocktanks are proposed on this spur; one in sec. 5, NW $\frac{1}{4}$ SW $\frac{1}{4}$, and one on private land at the branch in sec. 8, N $\frac{1}{2}$ NW $\frac{1}{4}$. Two additional tanks would be located in sec. 6; one in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ and one on private land in the NE $\frac{1}{4}$ NW $\frac{1}{4}$. The second spur would extend .75 mi. NE with a terminal stocktank located in sec. 5, NW $\frac{1}{4}$ SE $\frac{1}{4}$.

Upon completion of the proposed water developments, the permittee would construct two permanent 3-wire barbed wire crossfences.

- Fence 1 would originate in the common corner of T. 16 N., R. 24 E., sec. 5, 6, 7, & 8, extending directly north on the west side of an existing 2-track trail approximately 1.0 mi. to

a point intersecting the allotment boundary fence located in sec. 6, NE $\frac{1}{4}$ NE $\frac{1}{4}$.

- Fence 2 would originate in T. 16 N., R. 24 E., sec. 5, NW $\frac{1}{4}$ NW $\frac{1}{4}$, extend SE along a ridgetop approximately 1.0 mi. terminating in sec. 4, NW $\frac{1}{4}$ SW $\frac{1}{4}$.

The BLM and permittee would enter into range improvement cooperative agreements for these proposed projects. The BLM would provide construction specifications for the public land portion of the pipeline project; the permittee would provide all materials and labor for the water development project and assume all maintenance responsibilities on public and private land. The BLM would provide all materials and construction specifications for the proposed fences on public land; the permittee would provide labor and assume all maintenance responsibilities for the public and private land portions of the fence projects.

Identification No. - 025
Bear Creek, Allotment 14912
Public acres – 1,000
AUMs – 239
Public land – 100%
Livestock No. – 20 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve upland vegetation to late seral stage at the T1, T2 and T4 locations. Maintain vegetation in late seral stage at the T3 location.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Increase residual cover to improve sage grouse habitat.

Proposed Action: The permitted use would be divided into two pastures. Use would remain custodial provided uplands and biodiversity continue to meet or make significant progress toward meeting rangeland health standards.

- East Side; 23 cattle, 164 AUMs, season of use – 7/1-1/31, 100% custodial.
- West Side; 11 cattle, 75 AUMs, season of use – 11/1-2/28, 3/1-5/31, 100% custodial.

Total preference would remain 239 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 026
Croft Place, Allotment 12608
Public acres – 560
AUMs – 156
Public land – 100%
Livestock No. – 13 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage on two transect locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 13 cattle, 156 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 156 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 027
Elk Creek Bench, Allotment 04865
Public acres – 4,205
AUMs – 798
Public land – Various
Livestock No. –
 Pasture A - 2 cattle
 Pasture B – 22 cattle
 NW Highway – 55 cattle
 Phillips Pasture – 133 cattle
Season of Use –
 Pasture A - 3/1-2/28
 Pasture B – 4/1-11/15
 NW Highway – 6/7-9/02
 Phillips Pasture – 5/15-9/30
Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1, T2, T4, T5 and T6 locations. Maintain vegetation in late seral stage at the T7 location.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover in the Phillips Pasture to support sage grouse nesting.

Proposed Action: The Elk Creek Bench Allotment currently consists of four pastures; Pasture A, Pasture B, NW Highway, and the Phillips Pasture.

Pasture A: The current permitted use of this pasture would continue; 2 cattle, 28 AUMs, season of use - 3/1-2/28, 100% custodial. Approximately 38.5 acres of federal land within this pasture were inadvertently plowed and seeded to a crested wheatgrass/alfalfa mix. The life of the alfalfa stand is expected to be depleted in 2010. The BLM and permittee propose reseeding the 38.5 acres to a native seed mix approved by the authorized officer at the time of seeding. The permittee would be required to apply for a BLM Ag lease to continue haying the 38.5 acres until 2010. During inventory in 2005, a haystack and miscellaneous machinery were noted on

public land within this allotment. The permittee would be required to remove the machinery and haystack from public land by Dec. 31, 2007.

Pasture B: The current permitted use would be modified; 35 cattle, 171 AUMs, season of use - 4/1-11/15, 65% active. The BLM and permittee propose one pipeline extension and one 3-wire barbed wire crossfence within this pasture to create a 3-pasture deferred rotation grazing system. Two of the pastures would be utilized in the spring; one would be utilized in the fall as illustrated in the following tables.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	Spring	Fall
North	Graze	
Middle	Graze	
South		Graze

Year 2

	Spring	Fall
North		Graze
Middle	Graze	
South	Graze	

Year 3

	Spring	Fall
North	Graze	
Middle		Graze
South	Graze	

NW Highway Pasture: The current permitted use would continue; 55 cattle, 148 AUMs, season of use - 6/7-9/02, 93% active. In the fall of 2005, approximately 20 acres of this pasture were burned by a wildfire. The BLM proposes and the permittee agrees to refrain from grazing the burned area for two growing seasons.

Livestock would return after seed-ripe in 2007. The permittee proposes a pipeline extension and stockwater tank within this pasture.

Phillips Pasture: Current permitted use would continue; 133 cattle, 456 AUMs, season of use - 5/15-9/30, 75% active. The BLM and permittee propose a 3-wire barbed wire crossfence within this pasture to create a 2-pasture deferred rotation grazing system as illustrated in the tables below.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	North Pasture	South Pasture
132 cattle	5/15-7/28	
130 cattle		7/29-9/30

Even Years

	South Pasture	North Pasture
132 cattle		7/18-9/30
130 cattle	5/15-7/17	

Total preference for this allotment would remain 798 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements:

Pasture A: The BLM proposes re-seeding a crested wheatgrass/alfalfa ag trespass located in T. 14 N., R. 25 E., sec. 9, SE $\frac{1}{4}$ and the SW $\frac{1}{4}$ NW $\frac{1}{4}$; approximately 38.5 ac. Grazing in this pasture would be deferred until hay harvest in an adjacent unfenced hay field. The BLM would monitor native seed stand establishment. If required, electric fence would be installed to exclude livestock grazing for two growing seasons. The BLM and permittee would enter into a

range improvement cooperative agreement for this proposal. The permittee would provide all labor and equipment for the seeding project. The BLM would provide a native seed mix and seeding specifications. If the electric fence is required, the BLM would provide all fence materials and construction specifications and the permittee would provide labor and assume maintenance responsibilities. After two years, the BLM would remove the electric fence and retain the materials.

Pasture B: The BLM and permittee propose a 3-wire barbed wire crossfence beginning at a point of intersection with an existing pasture boundary fence located in T. 13 N., R. 26 E., sec. 13, NW $\frac{1}{4}$ SE $\frac{1}{4}$, extending NW approximately .25 mi. to the intersection with an existing pasture boundary fence located in sec. 13, NE $\frac{1}{4}$ NW $\frac{1}{4}$. A stockwater pipeline would be extended from a private well located in T. 13 N., R. 26 E., sec. 13, SE $\frac{1}{4}$ NE $\frac{1}{4}$. The pipeline would extend SW approximately 1.0 mi. and one tank would be placed in sec. 13, NW $\frac{1}{4}$ SW $\frac{1}{4}$ in Pasture B. From this tank, the pipeline would extend NW approximately .75 mi. into the NW Highway Pasture.

The BLM and permittee would enter into range improvement cooperative agreements for these proposed projects. The permittee would provide all materials and labor for the water development project and assume all maintenance responsibilities on public and private land. The BLM would provide construction specifications for the public land portion of the pipeline project. The BLM would provide all materials and construction specifications for the proposed fence on public land; the permittee would provide labor and assume all maintenance responsibilities for the public and private land portions of the fence project.

NW Highway Pasture: The permittee proposes continuation of a pipeline originating in Pasture B. The pipeline would cross the highway in T. 13 N., R. 26 E., sec. 14, NE $\frac{1}{4}$ SE $\frac{1}{4}$ and extend NW

approximately .25 mi. with a terminal tank located in sec. 14, NW¼SE¼ adjacent to an existing unreliable water source. The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The permittee would provide all materials and labor for the water development project and assume all maintenance responsibilities on public land. The BLM would provide construction specifications for the pipeline project.

Phillips Pasture: The BLM and permittee propose installation of a 3-wire barbed wire crossfence beginning at a point of intersection with an existing allotment boundary fence located in T. 16 N., R. 27 E., common corner of secs. 20, 21, 28 & 29, extending west approximately .5 mi. to a point of intersection with an existing boundary fence located at the quarter corner between secs. 20 & 29. The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The BLM would provide fence materials and construction specifications for the public land portion of the project; the permittee would provide all labor and assume maintenance responsibilities for the public and private land portions of this fence project.

Identification No. - 028
Fanyak Exchange, Allotment 02536
Public acres – 120
AUMs – 27
Public land – 100%
Livestock No. – 2 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain upland health.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment is not currently authorized in accordance with BLM grazing regulations (43CFR 4110.2-1). The allotment is attached to base property which is not owned by the permittee. The BLM permit expired on 4/30/2007. The 27 AUMs would be reallocated to the Yellow Water Basin Allotment 04898, ID No. 052. The current permitted use would be cancelled upon expiration of the permit.

Range Improvements: No range improvements are proposed.

Identification No. - 029
Flatwillow Colony, Allotment 09684
Public acres – 640
AUMs – 167
Suspended AUMs - 41
Public land – 100%
Livestock No. – 14 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No. The allotment does not meet the upland health standard due to the presence of a large prairie dog town in sec. 34 and 27.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 14 cattle, 167 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 167 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 030
Duck Creek, Allotment 04868
Public acres – 812
AUMs – 210
Public land – 100%
Livestock No. – 18 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in late seral stage on Transect 1.
- Maintain vegetation in current seral stage on Transect 2 (predominantly crested wheatgrass).

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover and utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The current permitted use would be modified; 41 cattle, 208 AUMs, season of use - 4/1-12/31, 56% active. The total preference would remain 210 AUMs.

The allotment contains a large percentage of dead Wyoming big sage and historic crested wheatgrass. The allotment also contains an abandoned hand-dug well, miscellaneous garbage, and evidence of supplemental livestock feeding. The BLM proposes to work with the permittee to remove all garbage and discarded items from the public land.

A term and condition would be added to the grazing permit prohibiting supplemental feeding on public land.

Range Improvements: No range improvements are proposed.

Identification No. - 031
Chippewa School, Allotment 02623
Public acres – 319
AUMs – 59
Public land – 100%
Livestock No. – 5 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 5 cattle, 59 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 59 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 032
Wellman, Allotment 02677
Public acres – 40
AUMs – 7
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 7 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 7 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 033
Little Dam, Allotment 12601
Public acres – 840
AUMs – 195
Public land – 100% & 13%
Livestock No. – 14 cattle
 100 cattle
 200 cattle
Season of Use – 3/1-2/28
 5/15-6/15
 6/16-7/31
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions

to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve the riparian area health on Fords Creek to Proper Functioning Condition realizing that a change in grazing management would not improve the riparian health where noxious weeds are considered a significant factor controlling riparian condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Ford's Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Continue noxious weed control and utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The allotment does not meet the upland health standard. A 3-pasture rotational grazing system was developed and implemented in March, 1995.

The current permitted use would continue as outlined in the Little Dam AMP (lines 2 & 3 of the current permit). The portion of Ford's Creek preference outside of the Little Dam AMP would be modified to authorize the recognized preference due to an exchange of use; 13 cattle, 156 AUMs, season of use - 3/1-2/28, 100% active, and 1 cattle, 2 AUMs, season of use - 3/1-5/1, 100% active. Total preference would remain 195 AUMs, however, the allotment would be billed for 211 AUMs due to the existing exchange agreement.

Range Improvements: The allotment contains leafy spurge, whitetop and Canada thistle, primarily within the riparian zone. The BLM and permittee have signed and implemented a weed control cooperative agreement. The permittee has been successful in controlling weeds in the uplands and containing the current infestation within the herbicide restricted riparian zone as directed by the BLM. The BLM and permittee may pursue sheep grazing for riparian weed management depending upon efficacy of the sheep grazing program proposed in the adjacent Fordy Common Allotment. No additional range improvements are proposed.

Identification No. - 034
Gilt Edge, Allotment 02620
Public acres - 1,520
AUMs - 287
Public land - 100%
Livestock No. - 89 cattle
Season of Use - 6/1-9/1
Grazing System - Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Continue noxious weed control and utilize areas dominated by dense

clubmoss to optimize native vegetation capability.

Proposed Action: The allotment contains a very high percentage of dense clubmoss related to historic livestock grazing. Current livestock management is not a significant factor. The BLM recognizes that without mechanical treatment or some method of decreasing the percentage of dense clubmoss, vegetation may be in its climax successional stage. Upon termination of the current exchange of use with Ford's Creek Colony, The BLM would propose a mechanical clubmoss treatment followed by a two growing season rest.

The current permitted use would be modified; 94 cattle, 271 AUMs, season of use - 6/1-9/1, 100% custodial. Total preference would remain 287 AUMs.

Range Improvements: Canada thistle was inventoried on the reservoir in sec. 17. The BLM and permittee would develop and implement a weed control cooperative agreement. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations near the reservoir.

The BLM proposes a mechanical clubmoss treatment upon termination of the exchange of use with an adjacent landowner. The BLM would contract the chiseling operation. The BLM portion of the allotment would be rested for two growing seasons following the treatment; the BLM would provide fence material and labor to accommodate the proposed treatment and rest.

Identification No. - 035
Maginnis Creek, Allotment 00985
Public acres – 160
AUMs – 41
Public land – 100%
Livestock No. – 3 cattle

Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The BLM, in coordination with the permittee, would pursue the feasibility of completing a land exchange involving the isolated parcels of public land in this allotment (as described in the Alan Ind. Allotment 15119 discussion below) and private land.

This allotment is currently fenced in with the Alan Ind. Allotment; the two allotments are permitted for two different seasons of use. The BLM proposes to change the season of use of the Maginnis Creek Allotment to match the Alan Ind. Allotment.

The permittee has applied for a change in class of livestock for 2 cattle, 27 AUMs; 5 sheep, 14 AUMs. Due to the degraded

upland condition in this allotment, the BLM would not approve this application.

The current permitted use would be modified; 5 cattle, 41 AUMs, season of use – 5/1-12/30, 100% custodial. Total preference would remain 41 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 036
Alan Ind., Allotment 15119
Public acres – 857
AUMs – 184
Public land – 100%
Livestock No. - 23 cattle
Season of Use – 5/1-12/30
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Maginnis Creek and N. Maginnis Creek to Proper Functioning Condition. Livestock is a significant factor controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Maginnis Creek and N. Maginnis Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

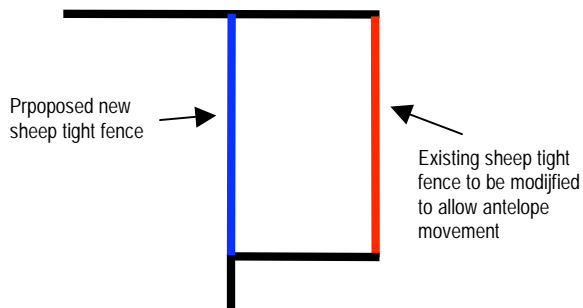
Proposed Action: The public land parcels in the Maginnis Creek Allotment 00985 and the Alan Ind. Allotment 15119 contain degraded resource conditions, are isolated and non-contiguous, and have no public access. One of the parcels contains particularly important sage grouse habitat. Due to this habitat value and numerous management challenges associated with these parcels, the permittee and BLM will pursue land tenure adjustments involving a land exchange and/or a land sale. These potential land tenure adjustment options would entail a process requiring a feasibility determination, additional planning and analysis. In the interim, the following actions would be proposed to improve rangeland health pending the outcome of the proposed land tenure adjustment process.

Upon review of the Master Title Plat, the BLM determined that the public land parcel located in T. 12 N., R. 29 E., sec. 3, W¹/₂, is 217 acres instead of the 297 acres currently figured in the permit. The 297 acres was permitted for 64 AUMs; the correction in acreage would result in an 18 AUM decrease. Total preference would be modified from 184 AUMs to 166 AUMs.

In 2005, BLM monitoring determined that the upland and riparian health and wildlife habitat on the public land portion of this allotment were in a degraded condition due to current livestock management. To improve upland and riparian health and wildlife habitat on the 537 acres (116 AUMs) of public land, the BLM proposes a 1.75 mi.

sheep tight fence in the NE portion of the allotment. The 537 acres would be excluded from livestock grazing for at least two years or until BLM monitoring determines that riparian health is making significant progress toward meeting the standard. The 116 AUMs would be suspended, reducing the active preference to 50 AUMs.

The new fence would eliminate the need for the existing sheep-tight fence on the east allotment boundary. The east boundary fence would be modified to allow unobstructed antelope movement. This fence proposal could change pending the outcome of potential land tenure adjustments.



The 160 acre BLM parcel located in T. 12 N., R. 29 E., sec. 8, contained degraded upland health conditions due in part to an unauthorized water well and stocktank. The unauthorized well and stocktank issue would be resolved through the land tenure adjustment discussed above. If a land exchange and/or land sale is not consummated, the unauthorized facilities would be addressed under the appropriate federal regulations in an independent action. Measures for improving rangeland health would be implemented in the resolution of the unauthorized facilities; these may include exclusionary fencing, suspension of AUMs and elimination of the stocktank and/or well.

The permittee also plans to construct a private land fence on the north boundary of

T. 12 N., R. 29 E., sec. 16 & 17 to improve rangeland health and livestock operation effectiveness.

The permittee has applied for a change in class of livestock; 12 cattle, 96 AUMs, 55 sheep, 88 AUMs. Due to the degraded upland condition in this allotment, the BLM would not approve this application.

The current permitted use would be modified; 6 cattle, 50 AUMs, season of use – 5/1-12/30, 100% custodial. Preference would be 50 custodial AUMs, 116 suspended AUMs, for a total preference of 166 AUMs.

Range Improvements: The BLM proposes a 1.75 mile sheep tight fence (specifications to be determined at the time of construction) originating at a point of intersection with an existing allotment boundary fence located in T. 13 N., R. 29 E., at the quarter corner on the section line between secs. 29 & 32. The fence would extend south approximately 1.75 mi. to a point of intersection with an existing allotment boundary fence located in T. 12 N., R. 29 E., at the common corner of secs. 3, 4, 9, & 10. When the new sheep tight fence is constructed, the permittee would modify 1.75 mi. of an existing allotment boundary fence beginning at T. 13 N., R. 29 E., the common corner of secs. 28, 29, 32, & 33, extending south 1.75 mi. terminating at T. 12 N., R., 29 E., the quarter corner between secs. 3 & 10. The modification would include removal of 2 strands of barbed wire. The remaining 4 strands of barbed wire would be spaced according to BLM specifications.

The BLM and permittee would enter into a cooperative agreement for the new fence project. The BLM would provide construction specifications and materials for the public land portion of the fence; the permittee would provide all labor to construct the fence and assume all maintenance responsibilities for the public and private land portions of the project.

A signed cooperative agreement exists for the fence proposed to be modified. The permittee would provide labor for the modification and continue all maintenance responsibilities.

Identification No. - 037
Railroad, Allotment 15118
Public acres – 320
AUMs – 104
Public land – 100%
Livestock No. – 13 cattle
Season of Use – 5/1-12/31
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain vegetation in current seral stage.
- A large percentage of the allotment contains crested wheatgrass.

Meeting Riparian Health Standard:
- N/A
Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A
Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.
Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 13 cattle, 104 AUMs, season of use - 5/1-12/31, 100% custodial. Total preference would remain 104 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 038
Petroleum Ind., Allotment 15120
Public acres – 680
AUMs – 174
Public land – 100%
Livestock No. – 12 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:
- N/A
Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A
Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.
Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 12 cattle, 174 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 174 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 039
54 Livestock, Allotment 14993
Public acres – 1,083
AUMs – 347
Public land – 100%
Livestock No. – 43 cattle

Season of Use – 5/1-12/31
 Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.
- The majority of this allotment contains crested wheatgrass.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 43 cattle, 346 AUMs, season of use - 5/1-12/31, 100% active. Total preference would remain 347 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 040
 North Highway, Allotment 15024
 Public acres – 3,201
 AUMs – 940
 Public land – 85%
 Livestock No. – 220 cattle
 Season of Use – 5/1-9/30
 Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Maintain biodiversity in an upward trend.

Proposed Action: Historical overgrazing on this allotment is known to have occurred. In 2001, a change in ownership resulted in an adjustment of livestock grazing management. Fewer head of livestock for less amount of time were reported in 2001, 2002 and 2005.

The BLM and permittee propose a stockwater pipeline extension and a 3-wire barbed wire crossfence within this allotment. These proposed projects would result in a 2-pasture deferred rotation grazing system as illustrated below.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	North Pasture	South Pasture
266 cattle	6/1-8/5	
262 cattle		8/6-9/30

Even Years

	North Pasture	South Pasture
266 cattle	7/27-9/30	
262 cattle		6/1-7/26

The current permitted use would be modified; 266 cattle, 939 AUMs, season of use - 6/1-9/30, 88% active. Total preference would remain 940 AUMs. The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The BLM and permittee propose a 3-wire barbed wire crossfence originating at a point of intersection with an existing allotment boundary fence in T. 15 N., R. 26 E., sec. 22, SE $\frac{1}{4}$ SW $\frac{1}{4}$, extending approximately .75 mi. SE along a ridge to a reservoir located in sec. 26. This reservoir would be fenced to provide livestock water for both pastures. From the reservoir, the fence would extend directly east approximately 1.5 mi. terminating at an intersection with the allotment boundary fence located in sec. 25, SE $\frac{1}{4}$ NW $\frac{1}{4}$. A cattle guard would be required in the county road located in sec. 25, SW $\frac{1}{4}$ NW $\frac{1}{4}$. The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The BLM would provide all fence materials and construction specifications for the public land portion of the project; the permittee would provide all labor and assume all maintenance responsibilities for the public and private land portions of the project. The BLM would provide the cattleguard and bases and petition Petroleum County for construction specifications and permission to install.

The BLM and permittee also propose a short extension from an existing water pipeline located on private land. The extension would originate in T. 15 N., R. 26 E., sec. 25, NW $\frac{1}{4}$ NE $\frac{1}{4}$, extend SW approximately .5 mi. into sec. 25, SE $\frac{1}{4}$ NW $\frac{1}{4}$ with a terminal stocktank to be utilized in both pastures. The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The BLM would provide construction specifications, all pipeline materials and the stocktank on public land. The permittee would provide labor for the

water development project and assume all maintenance responsibilities on public and private land.

Identification No. - 041
FCC Ind. A, Allotment 25000
Public acres – 240
AUMs – 63
Public land – 100%
Livestock No. – 5 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 5 cattle, 63 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 63 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 042
Bohemian Corner, Allotment 02668
Public acres – 159
AUMs – 43
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Crested wheatgrass was noted throughout the allotment.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 4 cattle, 43 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 43 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 043
Circle Bar Coulee, Allotment 04827
Public acres – 1,336
AUMs – 192
Public land – 100%
Livestock No. – 16 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage on T1. Maintain vegetation in current seral stage on T2.
- Maintain upland range health.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve the riparian area health on Circle Bar Coulee and the Musselshell River to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where a pipeline, roads, weeds, and natural erosion are significant factors controlling riparian condition.

Meeting Water Quality Standard:

- No.

Water Quality Objectives:

- Improve water quality in the Musselshell River where noxious weeds and livestock are considered significant causal factors.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The BLM and permittee propose a change in season of use from yearlong to 4/1-9/30. The permittee proposes a stockwater pipeline extension from an existing stocktank. This extension

would create a reliable water source for three pastures.

The current permitted use would be modified; 99 cattle, 191 AUMs, season of use - 4/1-9/30, 32% active. Total preference would remain 192 AUMs.

Range Improvements: The permittee proposes a stockwater pipeline extension originating at an existing stocktank located in T. 13 N., R. 30 E., sec. 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$. The pipeline would extend west .25 mi. adjacent to an existing 2-track trail where it would enter public land and extend .75 mi. west. At this point the pipeline would extend west onto private land with a terminal stocktank located in the common corner of three pastures. The BLM and permittee would enter a range improvement cooperative agreement for this project. The BLM would provide construction specifications; the permittee would provide all materials, labor and assume all maintenance responsibilities for the public and private land portions of the project.

The allotment contains leafy spurge, knapweed sp. and salt cedar, primarily within the Musselshell River riparian zone. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations within the riparian zone. The permittee is a cooperator in a regional NRCS EQIP program specific to weed management along the Musselshell River. No additional range improvements are proposed.

Identification No. - 044
A Holgren Place, Allotment 04872
Public acres – 40
AUMs – 10
Public land – 100%
Livestock No. – 1 cattle

Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 10 AUMs, season of use - 3/1-2/28, 100% custodial. This allotment is managed in conjunction with five other allotments in a rotation grazing system. The BLM proposes reflecting this use by changing A Holgren Place and the five other allotments to pastures and consolidating them under the Hale Ranch allotment as illustrated in the Hale Ranch diagrams (reference S. War Horse, pg. 44).

Range Improvements: No range improvements are proposed.

Identification No. - 045
Hale Ind. D, Allotment 05068
Public acres – 184

AUMs – 37
Public land – 100%
Livestock No. – 3 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 3 cattle, 37 AUMs, season of use - 3/1-2/28, 100% custodial. This allotment is managed in conjunction with five other allotments in a rotation grazing system. The BLM proposes reflecting this use by changing Hale Ind. D and the five other allotments to pastures and consolidating them under the Hale Ranch Allotment as illustrated in the Hale Ranch diagrams (reference S. War Horse, pg. 44).

Range Improvements: No range improvements are proposed.

Identification No. - 046
C. Beckstrom Ind., Allotment 15067
Public acres – 670

AUMs – 165
Public land – 100%
Livestock No. – 14 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 and T3 locations. Maintain vegetation in late seral stage at the T2 location.
- The allotment contains a high percentage of dense clubmoss.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- Yes.

Riparian Objectives:

- Maintain riparian area health on Dry Creek in Proper Functioning Condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Dry Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The current permitted use would be modified;

- 40 cattle, 8 AUMs, season of use - 2/15-2/28, 43% active.
- 43 cattle, 158 AUMs, season of use - 3/1-11/15, 43 % active.

Total preference would remain 165 AUMs.

This allotment contains three pastures. The BLM proposes implementing a 3-pasture deferred rotation grazing system. Two of the pastures would be utilized in the spring

and one would be utilized in the fall as illustrated in the following tables.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	Spring	Fall
Pasture 1	Graze	
Pasture 2	Graze	
Pasture 3		Graze

Year 2

	Spring	Fall
Pasture 1		Graze
Pasture 2	Graze	
Pasture 3	Graze	

Year 3

	Spring	Fall
Pasture 1	Graze	
Pasture 2		Graze
Pasture 3	Graze	

The permittee and the BLM propose an 80 acre (approximate) dense clubmoss mechanical treatment to improve rangeland health. This allotment is managed in conjunction with five other allotments in a rotation grazing system. The BLM proposes reflecting this use by changing C. Beckstrom and the five other allotments to pastures and consolidating them under the Hale Ranch Allotment as illustrated in the Hale Ranch diagrams (reference S. War Horse pg. 44).

Range Improvements: The permittee and BLM propose an 80 acre dense clubmoss mechanical treatment located in T. 15 N., R. 26 E., sec. 2, W½SW¼. The treated area would be packed with a weighted roller following Wyoming big sage seed dissemination in the fall. This project would comprise a once-over treatment with no drags or harrows to minimize the removal of

concentrated stands of Wyoming big sagebrush. Livestock grazing would be excluded from the area for two growing seasons utilizing electric fence. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The permittee would provide all labor and equipment for the treatment project. The BLM would provide approximately 1.0 mi. of electric fence materials and construction specifications for the public land portion of the fence; the permittee would provide labor and assume all fence maintenance responsibilities. After two years, the BLM would remove the electric fence and retain the materials.

Identification No. - 047
 Hale Ranch, Allotment 15069
 Public acres – 1,729
 AUMs – 428
 Public land – 61%
 Livestock No. – 88 cattle
 Season of Use – 5/1-12/31
 Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Buffalo Creek to Proper Functioning Condition. Livestock, weeds, natural erosion, and upstream dewatering are considered significant factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Buffalo Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 100 cattle, 429 AUMs, season of use - 6/1-12/31, 61% active. Total preference would remain 428 AUMs.

This allotment is managed in conjunction with five other allotments in a rotation grazing system. The BLM proposes reflecting this use by changing the name of this allotment to Hale Pasture B. This pasture and the five other allotments would be consolidated under the Hale Ranch Allotment as illustrated in the Hale Ranch diagrams (reference S. War Horse, pg. 44).

The permittee and BLM propose one 3-wire barbed wire crossfence and removal of an existing allotment boundary fence to create two pastures. The pastures would be utilized in a 3-pasture deferred rotation grazing system in conjunction with the S. War Horse Allotment.

Range Improvements: The BLM and permittee proposed construction of a 3-wire barbed wire crossfence beginning at a location in the common corner of T. 16 N., R. 26 E., secs. 31, 32, & T. 15 N., R. 26 E., secs. 5, 6. The fence would extend 1.0 mi. east, cornering on the section line between secs. 4 & 5; it would then extend directly south on the section line .5 mi. to a point of intersection with an existing boundary fence located in T. 15 N., R. 26 E., quarter corner secs. 4 & 5. The BLM and permittee also propose removal of 1.0 mi. of existing fence located in T. 15 N., R. 26 E., sec. 8,

NW $\frac{1}{4}$ NW $\frac{1}{4}$, extending east, terminating in the NE $\frac{1}{4}$ NE $\frac{1}{4}$. The removed fence material would be used to construct a new .25 mi. crossfence beginning at a point located in T. 15 N., R. 26 E., on the line between secs. 7 & 8, extending south .25 mi. to a point of intersection with an existing boundary fence located in T. 15 N., R. 26 E., on the section line between secs. 7 & 8. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide approximately 1.0 mi. of new fence materials and construction specifications for the public land portion of the project; the permittee would provide labor to construct the new fence, remove the existing fence and assume all fence maintenance responsibilities for the public and private land portions of the project.

Identification No. - 048
S. War Horse (Hale), Allotment 25004
Public acres – 2,026
AUMs – 469
Public land – 71%
Livestock No. – 94 cattle
Season of Use – 5/16-12/15
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage at T1 location. Maintain vegetation in current seral stage at T2 location.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 70 cattle, 350 AUMs, season of use - 6/1-12/31, 71% active. Total preference would remain 469 AUMs.

An east pasture currently fenced out of the S. War Horse Allotment would be named the Holding Pasture and incorporated into the Hale Ranch Allotment. The current permitted use would be modified; 14 cattle, 117 AUMs, season of use - 3/1-11/10, 100% active.

This allotment is managed in conjunction with five other allotments in a rotation grazing system. The BLM proposes reflecting this use by changing S. War Horse and the five other allotments to pastures and consolidating them under the Hale Ranch allotment. The S. War Horse Pasture would be used in conjunction with Hale Pasture B in a 3-pasture deferred rotation grazing system.

The following table illustrates the change of the five allotments to pastures and their incorporation into the Hale Ranch Allotment. The total preference for the six pastures would remain 1109 AUMs.

Hale Ranch Allotment 15069

Pasture	Livestock No & Kind	Grazing Period	% PL	Type Use	AUMs
A. Holgren Place	1 cattle	3/1-2/28	100%	C	10
Hale Ind. D.	3 cattle	3/1-2/28	100%	C	37
C. Beckstrom Ind.	40 cattle	2/15-2/28	43%	A	8
	43 cattle	3/1-11/15	43%	A	158
Hale Pasture B	100 cattle	6/1-12/31	61%	A	429
S. War Horse	70 cattle	6/1-12/31	71%	A	350
Holding Pasture	14 cattle	3/1-11/10	100%	A	117

The BLM proposes that the permittee submit actual use 15 days following grazing use for the Hale Ranch Allotment.

The tables below illustrate the 3-pasture deferred rotation grazing system for Hale Pasture B North/South and S. War Horse Pasture. A proposed crossfence in Pasture B would facilitate an AUM adjustment in the pastures; total preference would remain the same

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	Pasture B North	Pasture B South	S. War Horse
192 cattle	6/1-7/29	7/30-9/24	9/25-12/31

Year 2

	Pasture B South	S. War Horse	Pasture B North
192 cattle	6/1-7/27	7/28-11/2	11/3-12/31

Year 3

	S. War Horse	Pasture B North	Pasture B South
192 cattle	6/1-9/6	9/7-11/4	11/5-12/31

Range Improvements: No range improvements are proposed.

Identification No. - 049
Walker Ranch A, B, D, Allotment 14903
Public acres – 984
AUMs – 231
Public land – 100%
Livestock No. – 19 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 and T3 locations. Maintain vegetation in late seral stage at the T2 location.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian health on Buffalo Creek to Proper Functioning Condition. Current riparian health is rated as Functioning at Risk with an upward trend, and current livestock management is not considered a factor.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Buffalo Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment contains three pastures. To accurately reflect this use, the BLM proposes to separate the pastures into three separate lines on the permit; Pasture A, Pasture B and Pasture D. Pasture D would be fenced and grazed in conjunction with the S. War Horse Ind. allotment. Pasture A, Pasture B and the S. War Horse Ind. Allotment would be

incorporated into a 3-pasture deferred rotation grazing system (reference S. War Horse Ind. for rotation schedule).

The permittee proposes two stockwater pipeline extensions from an existing private well. The proposed pipelines and three stocktanks would provide a reliable stockwater source within Pasture A of this allotment.

The current permitted use would be modified;

- Pasture A/B; 111 cattle, 224 AUMs, season of use - 5/1-12/31, 25% active.
- Pasture D; 1 cattle, 6 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference would remain 231 AUMs.

Pastures A & B and S. Warhorse Ind. would be grazed in accordance with the schedule outlined in the Petrolia WS Plan.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Two stockwater pipeline extensions from an existing private well are proposed:

- Pipeline extension 1 would originate at a well located in T. 15 N., 25 E., sec. 6, SE $\frac{1}{4}$ SE $\frac{1}{4}$, extend NW approximately .5 mi. on private land, enter public land and extend .5 mi. to a stocktank located in the center of sec. 6. The pipeline would continue west approximately .5 mi. on public land, enter private land and terminate at a stocktank.
- Pipeline extension 2 would originate at the same well (referenced in pipeline extension 1), extend south approximately .5 mi., enter public land in sec. 8, continue .25 mi. and enter private land terminating at a stocktank in sec. 8, NW $\frac{1}{4}$ SW $\frac{1}{4}$.

The BLM and permittee would enter into a range improvement cooperative agreement

for this project. The BLM would provide pipeline material for the public land portion of the project and construction specifications. The permittee would provide all materials for the private land portion of the project, the stocktank on public land, all labor and assume all maintenance responsibilities.

Canada thistle was inventoried in the riparian area of this allotment. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations within the riparian zone.

Identification No. - 050
 S. War Horse Ind., Allotment 15046
 Public acres – 713
 AUMs – 108
 Public land – 38%
 Livestock No. – 28 cattle
 Season of Use – 3/1-5/31
 8/1-2/28
 Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current name of this allotment is S. War Horse Ind. To accurately reflect the location of the allotment and eliminate confusion, the BLM proposes renaming this allotment War Horse. The permittee has applied and an adjacent permittee has agreed to transfer 59 acres, 15 AUMs located in T. 16 N., R. 25 E., secs, 27, 28. The transfer would increase the total preference for this allotment from 108 AUMs to 123 AUMs. This allotment would be used in conjunction with two pastures in the Walker Ranch Allotment in a 3-pasture deferred rotation grazing system as illustrated in the tables below.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

2007

	Walker Ranch A	Walker Ranch B	War Horse
195 cattle	5/1-7/16	7/17-10/9	10/10-12/31

2008

	Walker Ranch A	Walker Ranch B	War Horse
195 cattle	10/16-12/31	5/1-7/24	7/25-10/15

2009

	Walker Ranch A	Walker Ranch B	War Horse
195 cattle	7/23-10/7	10/8-12/31	5/1-7/22

The current permitted use would be modified; 64 cattle, 124 AUMs, season of

use - 5/1-12/31, 24% active. Total preference would be modified to 123 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvement projects are proposed.

Identification No. - 051
East Winnett, Allotment 15047
Public acres – 80
AUMs – 21
Public land – 100%
Livestock No. – 2 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- No.

Upland Objectives:
- Maintain vegetation in current seral stage (see proposed action below).
- The majority of the allotment is comprised of historic crested wheatgrass. Ground cover and residual vegetation are abundant.
- Utilize crested wheatgrass to optimize native capability.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- No.

Biodiversity Objectives:
- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would be modified; 3 cattle, 21 AUMs, season of use - 4/1-11/15, 100% custodial. Total preference would remain 21 AUMs.

The majority of the allotment contains crested wheatgrass. Mechanical treatment or conversion of this crested wheatgrass is not proposed by the BLM or the permittees.

Range Improvements: No range improvements are proposed.

Identification No. - 052
Yellow Water Basin, Allotment 04898
Public acres – 923
AUMs – 262
Public land – 100% & 46 %
Livestock No. – Pasture A&B - 12 cattle
Basin Pasture - 92 cattle
Season of Use – Pasture A&B - 3/1-2/28
Basin Pasture – 6/1-8/31
Grazing System – Active & Custodial

Meeting Upland Standard:
- No.

Upland Objectives:
- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover in the Basin Pasture to support sage grouse nesting.

Proposed Action: This allotment contains four pastures. To accurately reflect this, the BLM proposes to split the pastures into separate lines on the permit – Pasture A, Pasture B, Basin Pasture & Fanyak Pasture. The current permitted use would be modified;

- Pasture A; 5 cattle, 59 AUMs, season of use - 3/1-2/28, 100% custodial.
- Pasture B; 25 cattle, 103 AUMs, season of use - 3/1-5/31, 9/15-10/15, 100% custodial.
- Basin Pasture; 72 cattle, 100 AUMs, season of use - 6/1-8/31, 46% active.
- Fanyak Pasture; 2 cattle, 27 AUMs, season of use – 3/1-2/28, 100% custodial.

Total preference would be 289 AUMs.

Pasture B would be utilized in the spring to optimize crested wheatgrass utilization. The Basin Pasture and Pasture A would primarily be summer/fall pastures.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The permittee proposes a water pipeline extension originating at an existing tank located in T. 13 N., R. 26 E., sec. 2, NW¼SE¼. The pipeline would extend approximately 1.0 mi. south (.5 mi. on BLM) with a terminal stock tank on private land located in T. 13 N., R. 26 E., sec. 11, NW¼. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The permittee would provide all

materials and labor for the public and private land portions of the project and assume all maintenance responsibilities.

The permittee also proposes construction of a 1.25mi., 3-wire barbed wire crossfence to separate private and public land in the Basin Pasture. The fence would be constructed entirely on private land, originating at the west boundary fence located in T. 13 N., R. 26 E., sec. 11, SW¼NW¼, extending .25 mi. east, .25 mi. north, then .75 mi. east to a point of intersection with an existing pasture fence in sec. 11, NE¼. The permittee would provide all materials and labor for this project and would assume all maintenance responsibilities.

Identification No. - 053
Hedman Pasture B, Allotment 15073
Public acres – 1,080
AUMs – 242
Public land – 51%
Livestock No. – 68 cattle
Season of Use – 4/15-11/15
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Increase sagebrush density and residual cover to improve sage grouse habitat.

Proposed Action: This allotment contains a very high percentage of dense clubmoss related to historic livestock grazing. Current livestock management is not a significant factor. The BLM recognizes that without mechanical treatment or some method of decreasing the percentage of dense clubmoss, vegetation may be in its climax successional stage.

The current permitted use would be modified; 65 cattle, 242 AUMs, season of use - 4/1-11/17, 49% active. Total preference would remain 242 AUMs.

Hedman Pasture B is currently used in conjunction with the Wild Horse Lake allotment in a 3-pasture deferred rotation grazing system and is managed in conjunction with five other allotments in a livestock grazing system. The BLM proposes reflecting this use by changing Hedman Pasture B and the five other allotments to pastures and consolidating them under the Wild Horse Allotment as illustrated in the Wild Horse Allotment diagrams (reference Wild Horse Lake, Allotment 15072, ID No. 059).

Range Improvements: Canada thistle was inventoried on reservoirs in sec. 13 & 14. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations near the reservoirs.

Identification No. - 054
Hedman Pasture C, Allotment 15074
Public acres – 373
AUMs – 84

Public land – 81%
Livestock No. – 15 cattle
Season of Use – 4/15-11/15
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified;

- 26 cattle, 56 AUMs, season of use - 9/1-2/28, 36% active.
- 26 cattle, 28 AUMs, season of use - 3/1-5/31, 36% active.

Total preference would remain 84 AUMs.

The Hedman Pasture C Allotment is managed in conjunction with five other allotments in a grazing system. The BLM proposes reflecting this use by changing Hedman Pasture C and the five other allotments to pastures and consolidating them under the Wild Horse Allotment as illustrated in the Wild Horse Allotment diagrams (reference Wild Horse Lake, Allotment 15072, ID No. 059).

Range Improvements: No range improvements are proposed.

Identification No. - 055
Hedman Pasture D, Allotment 04875
Public acres – 478
AUMs – 107
Public land – 100%
Livestock No. – 9 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Duck Creek to Proper Functioning Condition. The current riparian health rating is Functioning at Risk with an upward trend, and current livestock management is not considered a factor.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Duck Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The BLM and permittee propose a change in the season of use for Hedman Pasture D. The proposed change would accurately reflect permittee grazing management of this pasture.

The current permitted use would be modified;

- 22 cattle, 75 AUMs, season of use – 9/1-2/28, 57% active.
- 22 cattle, 32 AUMs, season of use – 3/1-5/16, 57% active.

Total preference would remain 107 AUMs.

The Hedman Pasture D Allotment is managed in conjunction with five other allotments in a grazing system. The BLM proposes reflecting this use by changing Hedman Pasture D and the five other allotments to pastures and consolidating them under the Wild Horse Allotment as illustrated in the Wild Horse Allotment diagrams (reference Wild Horse Lake, Allotment 15072, ID No. 059).

Range Improvements: Canada thistle was inventoried in the Duck Creek riparian area. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selective control within the riparian area to prevent damage to non-target species and water resources.

Identification No. - 056
Hedman Pasture E, Allotment 15075
Public acres – 240
AUMs – 78
Public land – 37%
Livestock No. – 30 cattle
Season of Use – 4/15-11/15
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: A pasture boundary fence constructed in T. 16 N., R. 25 E., sec. 15, S½, separated 120 acres, 26 AUMs from this allotment and included them in the Hedman Pasture F Allotment. To accurately reflect the shift in AUMs, The BLM would adjust the preference in this allotment down 26 AUMs and add them to the Hedman Pasture F preference.

The current permitted use would be modified;

- 23 cattle, 38 AUMs, season of use – 9/1-2/28, 28% active.
- 20 cattle, 14 AUMs, season of use – 3/1-5/15, 28% active.

Total preference would be modified to 52 AUMs.

The Hedman Pasture E Allotment is managed in conjunction with five other allotments in a grazing system. The BLM proposes reflecting this use by changing Hedman Pasture E and the five other allotments to pastures and consolidating them under the Wild Horse Allotment as illustrated in the Wild Horse Allotment diagrams (reference Wild Horse Lake, Allotment 15072, ID No. 059).

Range Improvements: No range improvements are proposed.

Identification No. - 057

Hedman Pasture F, Allotment 15076

Public acres – 440

AUMs – 79

Public land – 33%

Livestock No. – 33 cattle

Season of Use – 4/15-11/15

Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage at the T2 location.
- Maintain vegetation in current seral stage at the T2 location.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment .

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: A pasture boundary fence constructed in T. 16 N., R. 25 E., sec. 15, S½, included 120 acres, 26 AUMs into this allotment from the Hedman Pasture E allotment. To accurately reflect the shift in AUMs, the BLM would increase the preference by 26 AUMs.

The current permitted use would be modified; 36 cattle, 105 AUMs, season of use - 4/15-11/1, 44% active. Total preference would be modified to 105 AUMs.

The Hedman Pasture F Allotment is managed in conjunction with five other

allotments in a grazing system. The BLM proposes reflecting this use by changing Hedman Pasture F and the five other allotments to pastures and consolidating them under the Wild Horse Allotment as illustrated in the Wild Horse Allotment diagrams (reference Wild Horse Lake, Allotment 15072, ID No. 059).

Range Improvements: No range improvements are proposed.

Identification No. - 058
War Horse Common, Allotment 15071
Public acres – 56
AUMs – 15
Public land – 100%
Livestock No. – 2 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in late seral stage.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: An adjacent permittee has applied and the permittee has agreed to transfer the 15 AUMs associated with this allotment to the adjacent permittee's base

property. The AUMs would be added to the S. War Horse Ind. Allotment. The War Horse Common Allotment would be eliminated.

Range Improvements: No range improvements are proposed.

Identification No. - 059
Wild Horse Lake, Allotment 15072
Public acres – 1,991
AUMs – 406
Public land – 54%
Livestock No. – 103 cattle
Season of Use – 4/5-11/15
Grazing System – Active

Meeting Upland Standard:
- No.

Upland Objectives:
- Maintain vegetation in current seral stage at T1 location. Crested wheatgrass was noted in the west pasture of this allotment.
- Maintain vegetation in late seral stage at T2 location.

Meeting Riparian Health Standard:
- No.

Riparian Objectives:
- Improve riparian area health on Duck Creek to Proper Functioning Condition where the current riparian health rating is Functioning at Risk with an upward trend. Improve riparian area health on Duck Creek to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where noxious weeds are a significant factor controlling riparian condition.

Meeting Water Quality Standard:
- Yes.

Water Quality Objectives:
- Maintain water quality in Duck Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: A current crossfence exists in T. 16 N., R. 24 E., sec. 6, SE $\frac{1}{4}$ SE $\frac{1}{4}$, extending NW along the county road and terminating in the common corner of T. 17 N., R. 24 E., sec. 35 & 36, and T. 16 N., R. 24E., sec. 1, north boundary. To accurately portray current allotment management, the BLM proposes to split this allotment into Pasture A and Pasture G. Pasture A is the northeastern pasture containing Wild Horse Lake. Pasture G is the northwestern pasture.

- The current permitted use of Pasture A would be modified; 98 cattle, 237 AUMs, season of use - 4/1-11/16, 32% active.
- The current permitted use of Pasture G would be modified; 50 cattle, 171 AUMs, season of use - 4/1-11/17, 45% active.

These two pastures would be used in conjunction with Pasture B in a 3-pasture deferred rotation grazing system. The permittee and BLM propose a fenceline and a stockwater pipeline in Pasture A to create a fourth pasture for the rotation grazing system resulting in a 4-pasture deferred system. The permittee proposes a fence in Pasture G to manage private land separate from BLM

The following table illustrates the change of the six allotments to pastures and their incorporation into the newly created Wild Horse Allotment. Pastures A, B, & G will be utilized in a summer deferred rotation grazing system for cow/calf pairs. Pastures C, D, & E are utilized in a winter rotation. Pasture F is a yearling pasture. The total preference for the seven pastures would be adjusted to 997 AUMs to account for the 15 AUM transfer to the adjacent permittee.

Wild Horse Allotment 15072

Pasture	Livestock No & Kind	Grazing Period	% PL	Type Use	AUMs
Pasture A	98 cattle	4/1-11/16	32%	A	237
Pasture B	65 cattle	4/1-11/17	49%	A	242
Pasture G	50 cattle	4/1-11/17	45%	A	171
Pasture C	26 cattle	9/1-2/28	36%	A	56
	26 cattle	3/1-5/31	36%	A	28
Pasture D	22 cattle	9/1-2/28	57%	A	75
	22 cattle	3/1-5/16	57%	A	32
Pasture E	23 cattle	9/1-2/29	28%	A	38
	20 cattle	3/1-5/17	28%	A	14
Pasture F	36 cattle	4/15-11/1	44%	A	105

Range Improvements:

Pasture A: The BLM and permittee propose construction of approximately 4.0 mi. of 3-wire barbed wire fence originating in T. 16 N., R. 25 E., sec. 6, SE $\frac{1}{4}$ SE $\frac{1}{4}$; extending NE diagonally across sec. 5, curving to the north around Big Butte in sec. 4 and extending directly north to a terminal point of intersection with the allotment boundary fence located in T. 17 N., R. 25 E., sec. 29, NE $\frac{1}{4}$ SW $\frac{1}{4}$. The southwest end (approximately .25 mi.) of the proposed fence would be constructed utilizing 4 wires to hold livestock during movement through a constricted area.

The permittee also proposes a stockwater pipeline extension originating at a stockwater tank located in T. 16 N., R. 25 E., sec. 6, NW $\frac{1}{4}$ NE $\frac{1}{4}$. The pipeline would extend directly east approximately 1.75 mi. to a terminal stocktank split by the proposed fenceline located in T. 16 N., R. 25 E., sec. 4, NW $\frac{1}{4}$.

The BLM and permittee would enter into range improvement cooperative agreements for these projects. The BLM would provide .75 mi. of 3-wire barbed wire fence materials and construction specifications for the public land portion of the fence project; the permittee would provide materials for the private land portion of the project, all labor and assume all maintenance responsibilities. The permittee would provide all stockwater pipeline material and

installation labor; the BLM or NRCS would provide pipeline construction specifications.

Canada thistle and knapweed species were inventoried in the Duck Creek riparian area. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selective control within the riparian area to prevent damage to non-target species and water resources.

Identification No. - 060
Bender Creek/Winnett, Allotment 04891
Public acres – 1,552
AUMs – 349
Public land – 32%
Livestock No. – 166 cattle
Season of Use – 4/16-10/31
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage and increase the amount of ground cover on T1 and T2.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Snoose Creek to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where weeds and historic irrigation diversion are factors controlling riparian condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Snoose Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Continue noxious weed control and improve residual cover to support sage grouse nesting.

Proposed Action: The new permittee agrees to resume grazing management prescriptions as outlined in the Bender Creek AMP. Continuation of the upward trend in two pastures and a move toward an upward trend in two pastures would contribute toward improved rangeland health and increased ground cover.

The current permitted use would continue; 166 cattle, 348 AUMs, season of use – 4/16-10/31, 32% active. Total preference would remain 349 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Leafy spurge and Canada thistle were inventoried on Snoose Creek. Canada thistle and houndstongue were inventoried on a reservoir in sec. 7 and Canada thistle was found on a reservoir in sec. 21. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selective control within the riparian areas to prevent damage to non-target species and water resources.

Identification No. - 061
Yellowwater Ind. B, Allotment 15092
Public acres – 602
AUMs – 118
Public land – 100%

Livestock No. – 10 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The current permitted use would be modified; 38 cattle, 117 AUMs, season of use - 8/1-12/31, 61% active. Total preference would remain 118 AUMs. The proposed change in season of use would defer utilization of native upland vegetation until late summer and fall/winter.

The permittee proposes working cooperatively with the adjacent permittee to construct a .5 mi. long fence in the west portion of the Corrugated Pasture. Construction of this fence would facilitate dissolution of a current exchange between permittees. The fence would also incorporate 40 acres, 10 AUMs of another adjacent permittee's private land into this allotment.

Range Improvements: Canada thistle was inventoried on the reservoir in sec. 34. The BLM would develop and implement a weed control cooperative agreement with the permittee as discussed in allotment 04891 above.

Identification No. - 062
Kaufman, Allotment 02815
Public acres – 260
AUMs – 48
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 4 cattle, 48 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 48 AUMs.

Range Improvements No range improvements are proposed.

Identification No. - 063
 Zimmerman Place, Allotment 15036
 Public acres – 2,178
 AUMs – 496
 Public land – Various
 Livestock No. – 3 cattle
 120 cattle
 70 cattle
 70 cattle
 Season of Use – 3/1-2/28
 1/1-2/28
 4/1-5/31
 8/1-11/30

Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment consists of three pastures; to accurately reflect this, the BLM proposes splitting each pasture into separate lines on the permit - West Highway, North Pasture and South Pasture.

The North Pasture would be used in conjunction with one private pasture in a 2-pasture deferred rotation grazing system as illustrated in the table below.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

		North Pasture
Odd Years	147 cattle	4/20-7/15
Even Years	138 cattle	9/1-12/1

The current permitted use would be modified:

- West Highway Pasture; 30 cattle, 43 AUMs, season of use - 3/20-5/1, 100% custodial.
- North Pasture; 72 cattle, 144 AUMs, season of use - 4/20-7/15, 70% active; 71 cattle, 150 AUMs, season of use - 9/1-12/1, 70% active.
- South Pasture; 57 cattle, 159 AUMs, season of use - 8/1-12/1, 69% active.

Total preference would remain 496 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The BLM would install a Monitor well head on the Zimmerman well located in T. 12 N., R. 25 E., sec. 5, SW $\frac{1}{4}$ SE $\frac{1}{4}$. The stocktank located at the well would be relocated to sec. 8, NW $\frac{1}{4}$. This is a flowing artesian well, but due to low pressure, the BLM proposes installation of a solar powered pump. The pump would facilitate distribution of stockwater in the Zimmerman Allotment and the Flatwillow Allotment to the east. The BLM would enter into a range improvement cooperative agreement for this project with both permittees. The BLM would provide the well head and the solar powered pump materials and installation. The permittee would provide labor and

materials to relocate the stocktank. The permittees would assume joint maintenance responsibilities for the solar pump and pipeline system.

Leafy spurge was inventoried in the uplands on this allotment. Houndstongue and leafy spurge were noted on a reservoir in sec. 18. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian areas around the reservoir to prevent damage to non-target species and water resources.

Identification No. - 064
 Iverson Yellowwater, Allotment 15151
 Public acres – 3,937
 AUMs – 840
 Public land – 81%
 Livestock No. – 206 cattle
 Season of Use – 6/1-10/31
 Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 & T3 locations. Maintain vegetation in late seral stage at the T2 location.
- Consult with the permittee to implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Pike Creek to Proper Functioning Condition where the current health rating is Functioning at Risk with an upward trend. Improve riparian area

health to Proper Functioning Condition where livestock and weeds are significant factors controlling riparian condition.

- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Pike Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve vegetative cover in and adjacent to the Pike Creek riparian zone to support sage grouse brooding.

Proposed Action: The allotment currently contains two pastures. To accurately reflect this, the BLM proposes splitting the pastures into separate lines on the permit and naming them Iverson & Vic's Camp. The BLM proposes implementing a 2-pasture deferred rotation grazing system in this allotment as illustrated in the following tables.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	Vic's Camp	Iverson
182 cattle	6/7-8/7	8/8-10/31

Even Years

	Vic's Camp	Iverson
182 cattle	8/31-10/31	6/7-8/30

The cattle utilizing this allotment would graze the Bench Allotment early spring and

late fall. Livestock numbers could be increased to 201 cattle pending the outcome of monitoring results in the riparian enclosure within the Bench Allotment (see discussion in Bench Allotment) as illustrated in the following tables:

Odd Year

	Vic's Camp	Iverson
201 cattle	6/1-7/26	7/27-10/11

Even Year

	Vic's Camp	Iverson
201 cattle	8/17-10/11	6/1-8/16

The current permitted use would be modified:

- Iverson; 108 cattle, 511 AUMs, season of use - 5/30-10/20, 100% active.
- Vic's Camp; 78 cattle, 329 AUMs, season of use - 5/30-10/20, 89% active.

Total preference would remain 840 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Leafy spurge and Canada thistle were inventoried in the Pike Creek riparian area. Leafy spurge was also noted in the uplands of sec. 35. Canada thistle was inventoried on the reservoir in sec. 26. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources.

Identification No. – 065
 Bender Creek Hughes, Allotment 02813
 Public acres – 1,158
 AUMs – 225
 Public land – 100%
 Livestock No. – 22 cattle
 Season of Use – 3/1-2/28
 Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage on transect locations T1 & T2. Maintain vegetation in late seral stage on transect location T3. Maintain vegetation in PNC at the T4 location.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment .

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 22 cattle, 225 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 225 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 066
Breeding Pasture, Allotment 04877
Public acres – 375
AUMs – 69
Public land – 100%
Livestock No. – 5 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment consists of two non-adjacent pastures; the northeastern pasture containing 26 AUMs would be renamed the Branding Pasture Allotment. The southwestern pasture would remain the Breeding Pasture Allotment.

Updated fence mapping information has resulted in a shift in AUMs between this allotment and the Lambert Bench Allotment as follows:

- 11 AUM increase (from Lambert Bench)

A dissolved exchange of use agreement between public and private land would

result in an additional 8 AUMs being added to this allotment.

The current permitted use would be modified;

- Branding Pasture; 2 cattle, 26 AUMs, season of use - 3/1-2/28, 100% custodial.
- Breeding Pasture; 5 cattle, 54 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference for the Branding Pasture would be 26 AUMs. Total preference for the Breeding Pasture would be 54 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 067
Meadow Pasture, Allotment 05141
Public acres – 47
AUMs – 19
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.
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Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified; 9 cattle, 18 AUMs, season of use - 3/1-2/28, 17% active. Total preference would remain 19 AUMs.

Range Improvements: No range improvements are proposed.

Proposed Action: The BLM proposes and the permittee agrees to place 152 AUMs into suspended use due to a 404 acre prairie dog town located in this allotment. If the prairie dog naturally reduces in size, the BLM agrees to remove the equivalent AUMs from suspended use and place them into active use. The permit would be modified to reflect the AUM adjustment. The BLM does not plan to alter the natural dynamics of the prairie dog town.

The current permitted use would be modified; 86 cattle, 137 AUMs, season of use - 3/15-6/15, 52% active. Preference would be 137 active AUMs, 152 suspended AUMs, for a total preference of 289 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 068
South Pasture, Allotment 05142
Public acres – 920
AUMs – 289
Suspended AUMs - 41
Public land – 100%
Livestock No. – 24 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- No. The allotment does not meet the upland health standard due to the presence of a large prairie dog town in sec. 20 and 29 (app. 404 ac.).

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Identification No. - 069

Bench Pasture, Allotment 05143

Public acres – 1,178

AUMs – 330

Public land – 100%

Livestock No. – 22 cattle

Season of Use – 3/1-2/28

Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Pike Creek to Proper Functioning Condition. Livestock are considered

a significant factor controlling riparian condition.

- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Pike Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Increase vegetative cover in the uplands and riparian area to improve wildlife habitat. Continue noxious weed control efforts.

Proposed Action: The BLM and permittee propose a 1.5 mi., 3-wire barbed wire crossfence creating a north riparian pasture and a south crested wheatgrass pasture. The south pasture would contain approximately 1,474 acres of public and private land (406 AUMs), and would be utilized as an early spring pasture to utilize an abundance of crested wheatgrass. The north pasture would contain approximately 750 acres of public and private land (197 AUMs) that would be rested from livestock grazing for a period of at least two years or until BLM monitoring indicates that riparian health on Pike Creek is in an upward trend. When an upward trend in riparian health is recognized, the north pasture would be grazed during fall/winter months.

The BLM proposes incorporating the two pastures of this allotment into a grazing rotation system with two pastures from the Iverson Yellowwater Allotment. The south pasture would be used in the spring to defer use in the Iverson Yellowwater Allotment. When the Pike Creek riparian area demonstrates an upward trend, the north pasture would be incorporated into the

grazing system as a fall/winter pasture.

During the proposed north pasture rest, the following table illustrates the cattle numbers and season of use for the south pasture in the Bench Allotment.

Period of use would depend on the number of livestock and availability of water and forage in each pasture. Livestock would be moved when standards are met or AUMs have been consumed.

	South Bench
183 cattle	4/1-6/6

When the north pasture is incorporated into the grazing system, the following table illustrates the cattle number and season of use for the pastures in the Bench Allotment.

	South Bench	North Bench
201 cattle	4/1-5/31	
200 cattle		10/12-11/10

The current permitted use would be modified:

- 170 cattle, 218 AUMs, season of use - 4/1-6/10, 55% active.
- 168 cattle, 112 AUMs, season of use - 10/10-11/15, 55% active.

Total preference would remain 330 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: A 1.5 mi., 3-wire barbed wire crossfence would be constructed originating at a point of intersection with an existing allotment boundary fence located in T. 12 N., R. 26 E., sec. 6, extending approximately .75 mi. east, cornering and extending .75 mi. northeast terminating at a point of intersection with an existing allotment boundary fence located in T. 12 N., R. 26 E., sec. 5, NE¼SW¼. The BLM and permittee would enter into a range improvement cooperative agreement for this

project; the BLM would provide approximately 1.0 mi. of fence materials for the public land portion of this project and construction specifications; the permittee would provide labor and assume all fence maintenance responsibilities.

Leafy spurge and Canada thistle were inventoried in the riparian area; leafy spurge was also inventoried in the uplands. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources.

- species are considered significant factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Pike Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Increase vegetative cover in the uplands and riparian area to improve wildlife habitat. Continue noxious weed control efforts.

Identification No. - 070
 Pike Creek, Allotment 05161
 Public acres – 2,161
 AUMs – 453
 Public land – 65%
 Livestock No. – 170 cattle
 Season of Use – 4/15-7/14
 10/1-10/31
 Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Pike Creek to Proper Functioning Condition. Livestock, weeds, and disturbance caused undesirable

Proposed Action: The BLM proposes a 2.0 mi., 3-wire barbed wire crossfence to split the allotment into north and south pastures. The BLM proposes using these two pastures in conjunction with the Lambert Bench and a newly created Lower Snoose Creek Allotment in a 4-pasture deferred rotation grazing system (illustrated in the diagrams below).

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	Lambert Bench	Pike Creek North Pasture	Lower Snoose Creek	Pike Creek South Pasture
207 cattle	5/1-6/3	6/4-7/24	7/25-9/16	9/17-11/3

Even Years

	Lambert Bench	Pike Creek North Pasture	Lower Snoose Creek	Pike Creek South Pasture
207 cattle	8/11-9/13	9/14-11/3	5/1-6/23	6/24-8/10

Updated fence mapping information has resulted in a shift in AUMs between the Snoose Creek, North Flatwillow and Lambert Bench Allotments:

- 6 AUM increase (from Snoose Creek)
- 17 AUM decrease (to North Flatwillow)
- 7 AUM decrease (to Lambert Bench)

The current permitted use would be modified; 134 cattle, 434 AUMs, season of use - 6/1-11/1, 64% active. Total preference would be modified to 435 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: A 2.0 mi., 3-wire barbed wire crossfence would be constructed in the allotment, originating at a point of intersection with an existing allotment boundary fence located in T. 13 N., R. 25 E., sec. 32, SE¼NW¼, extend NE 1.0 mi., corner and cross Pike Creek, corner, and extend west terminating at the allotment boundary fence in sec. 27, SE¼SW¼. The BLM and permittee would enter a range improvement cooperative agreement for this project; the BLM would supply 1.75 mi. of fence materials and construction specifications for the public land portion of the project. The permittee would provide fence materials for the private land portion of the project, all labor, and assume all maintenance responsibilities.

Leafy spurge and Canada thistle were inventoried in the Pike Creek riparian area; Canada thistle was inventoried on two reservoirs in sec. 28. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources.

Identification No. - 071
Hawkins Pasture, Allotment 15138
Public acres – 530
AUMs – 132
Public land – 100%
Livestock No. – 11 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Ten acres (2 AUMs) located within this allotment were sold in the 1999 Two Crow exchange. The BLM proposes removing the 2 AUMs from the allotment. As a result, the total preference would be reduced 2 AUMs from 132 to 130.

The current permitted use would be modified; 140 cattle, 129 AUMs, season of use - 5/1-7/15, 37% active.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on a reservoir in sec. 28. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations near the reservoir.

Identification No. - 072
L. Pike Creek, Allotment 15139
Public acres – 959
AUMs – 299
Public land – 100%
Livestock No. – 25 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:
- No.

Upland Objectives:
- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:
- No.

Riparian Objectives:
- Improve riparian area health on Pike Creek to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where weeds and natural erosion are significant factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Pike Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize crested wheatgrass to optimize native vegetation capability. Continue noxious weed control efforts.

Proposed Action: The BLM proposes a change in season of use from yearlong to early spring and fall/winter use. The permitted use would promote reproduction and carbohydrate storage in native grass species.

The current permitted use would be modified:

- 74 cattle, 122 AUMs, season of use - 4/1-6/15, 66% active.
- 75 cattle, 176 AUMs, season of use - 9/15-12/31, 66% active.

Total preference would remain 299 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Leafy spurge and Canada thistle were inventoried in the Pike Creek riparian area. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources.

Identification No. - 073
Rozie Pasture, Allotment 15140
Public acres – 137
AUMs – 38

Public land – 100%
Livestock No. – 3 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be; 3 cattle, 38 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 38 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 074
Snoose Creek, Allotment 15144
Public acres – 850
AUMs – 154
Public land – 100%
Livestock No. – 13 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Snoose Creek to Proper Functioning Condition where current riparian health is rated as Functioning at Risk with an upward trend. Improve riparian area health on Snoose Creek to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where natural erosion is controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Snoose Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The BLM and permittee propose a change in season of use from yearlong to 5/1-11/1.

Updated fence mapping information has resulted in a shift in AUMs between this allotment and the Pike Creek Allotment:

- 6 AUM decrease (to Pike Creek)

The current permitted use would be modified; 122 cattle, 148 AUMs, season of use - 5/1-11/1, 20% active. Total preference would be modified to 148 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried in the Snoose Creek riparian area and on a reservoir in sec. 17. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian areas to prevent damage to non-target species and water resources.

Identification No. - 075
Lambert Bench, Allotment 15145
Public acres – 676
AUMs – 113
Public land – 50%
Livestock No. – 112 cattle
Season of Use – 5/1-6/30
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment would be used in conjunction with the newly created Lower Snoose Creek and Pike Creek Allotments in a 4-pasture deferred rotation grazing system (reference Pike Creek Allotment for rotation schedule).

Updated fence mapping information has resulted in a shift in AUMs between this allotment and the Breeding Pasture and Pike Creek Allotments:

- 11 AUM decrease (to Breeding Pasture)
- 7 AUM increase (from Pike Creek)

A dissolved exchange of use agreement between public and private land would result in an additional 65 AUMs being added to this allotment. A discrepancy of 13 public land acres within sec. 5 of this allotment has resulted in a 2 AUM decrease.

The current permitted use would be modified; 42 cattle, 172 AUMs, season of use - 5/1-10/15, 74% active. Total preference would be adjusted to 172 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on a reservoir in sec. 31. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations near the reservoir.

Identification No. - 076
North Flatwillow, Allotment 15146
Public acres – 1,124
AUMs – 233
Public land – 28%
Livestock No. – 210 cattle

Season of Use – 7/1-10/30
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Snoose Creek to Proper Functioning Condition. Livestock is a significant factor controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Snoose Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment currently consists of two non-adjacent pastures. The west pasture contains 193 AUMs and the east pasture contains 40 AUMs. The BLM proposes to create the Lower Snoose Creek Allotment 03137 from the existing west pasture. The east pasture would remain the North Flatwillow Allotment 15146.

Updated fence mapping information has resulted in a shift in AUMs between this Allotment and the Pike Creek Allotment:

- 17 AUM increase (from Pike Creek)

The BLM proposes incorporating the newly created Lower Snoose Creek Allotment into a 4-pasture deferred rotation grazing system with the Pike Creek and Lambert Bench Allotments (see Pike Creek discussion for rotation schedule).

The current permitted use would be modified:

- Lower Snoose Creek; 67 cattle, 211 AUMs, season of use - 5/1-10/15, 57% active. Total preference would be adjusted to 210 AUMs.
- North Flatwillow; 112 cattle, 40 AUMs, season of use - 6/1-9/30, 9% active. Total preference would be adjusted to 40 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements No range improvements are proposed.

Identification No. - 077
Windbreak, Allotment 04873
Public acres – 130
AUMs – 32
Public land – 100%
Livestock No. – 15 cattle
Season of Use – 5/1-7/03
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in PNC seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 15 cattle, 32 AUMs, season of use - 5/1-7/03, 100% active. Total preference would remain 32 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 078
P.D. Pasture, Allotment 04878
Public acres – 200
AUMs – 48
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 4 cattle, 48 AUMs, season of use - 3/1-2/28, 100% active. Total preference would remain 48 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 079
D Iverson, Allotment 04879
Public acres – 320
AUMs – 110
Public land – 100%
Livestock No. – 9 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: 35 acres, 12 AUMs, located in T. 12 N. R. 25 E., sec. 34, NW1/4

are currently permitted, however they are fenced in with private land not owned by the permittee. An adjacent permittee has applied and the permittee has agreed to transfer the 12 AUMs to the adjacent permittee's base property. As a result, the total preference for this allotment would be adjusted to 98 AUMs from 110 AUMs.

The current permitted use would be modified; 8 cattle, 96 AUMs, season of use - 3/1-2/28, 100 % active. Total preference would be modified to 98 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 080
Silver Sage, Allotment 15070
Public acres – 180
AUMs – 63
Public land – 100%
Livestock No. – 5 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 5 cattle, 60 AUMs, season of use - 3/1-2/28, 100% active. Total preference would remain 63 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 081
Sage Hen, Allotment 04880
Public acres – 950
AUMs – 236
Public land – 86%
Livestock No. – 55 cattle
Season of Use – 5/20-10/18
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 55 cattle, 236 AUMs, season of use - 5/20-10/18, 86% active.

Total preference would remain 236 AUMs.

Range Improvements: No range improvements are proposed.

the BLM forage. The permittee and the BLM propose to fence this parcel of public land into a separate pasture and change the season of use.

The current permitted use would be modified; 9 cattle, 56 AUMs, season of use - 5/15-11/30, 100 custodial. Total preference would remain 56 AUMs.

Grazing use would be within the permitted dates. Numbers of cattle may vary depending on the duration of use. The BLM proposes that the permittee submit actual use 15 days following grazing use.

Identification No. - 082
Jackson Home Ranch, Allotment 02010
Public acres – 160
AUMs – 56
Public land – 100%
Livestock No. – 7 cattle
Season of Use – 4/1-11/30
Grazing System – Custodial

Range Improvements: The public land is currently fenced on the north and east boundaries. A 3-wire barbed wire fence is proposed on the west and south boundaries of the public land thereby creating a separate pasture. The proposed fence would begin at a point intersecting the existing north boundary fence located in T. 18 N., R. 21 E., sec. 6, SE¼SE¼, extending south .5 mi., then extending east .5 mi. to a point of intersection with the existing boundary fence located in T. 18 N., R. 21 E., sec. 8, NW¼NW¼. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide 1.0 mi., 3-wire barbed wire fence materials and construction specifications for the public land portion of the project; the permittee would provide all labor and assume all maintenance responsibilities.

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve wildlife cover and forage in the allotment.

Proposed Action: This allotment is currently used in conjunction with adjacent private land during the permitted period. Cattle tend to congregate near the water on public land during the hot season and over utilize

Identification No. - 083
Crowley Dam, Allotment 15014
Public acres – 680
AUMs – 151
Public land – 100%
Livestock No. – 6 cattle
32 sheep
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No. The ranch was recently purchased by the current permittee, therefore the BLM cannot determine that current livestock management is a significant factor.

Upland Objectives:

- Improve vegetation at the T2 location to late seral stage. Maintain vegetation at T1 location in late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The current permitted use would continue; 6 cattle, 75 AUMs, season of use - 3/1-2/28, 100% custodial; 32 sheep, 76 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 151 AUMs.

The permittee is currently working with NRCS to develop and implement a rest rotation grazing system that would incorporate three pastures of public land. The BLM and permittee propose a 1.5 mi., 3-wire barbed wire fence, creating a fourth pasture to be incorporated in the rest rotation grazing system.

Range Improvements: The BLM and permittee propose a 1.5 mi., 3-wire barbed wire crossfence originating in T. 12 N., R. 27 E., sec. 11, NW $\frac{1}{4}$ NW $\frac{1}{4}$, extending east approximately 1.5 mi., terminating at the intersection with an interior fence located in T. 12 N., R. 27 E., sec. 12, NE $\frac{1}{4}$ NW $\frac{1}{4}$. The BLM would enter into a range improvement cooperative agreement for this project. The BLM would provide .33 mi. of fence materials and construction specifications for the public land portion of the project. The permittee would provide labor to construct the public and private land portions of the fence and assume all maintenance responsibilities.

Identification No. - 084
Road Junction, Allotment 15001
Public acres - 40
AUMs - 8
Public land - 100%
Livestock No. - 1 cattle
5 sheep
Season of Use - 3/1-2/28
5/1-11/30
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 4 AUMs, season of use - 3/1-2/28, 100% custodial; 5 head of sheep, 4 AUMs, season of use - 5/1-11/30, 100% custodial. Total preference would remain 8 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 085
Flatwillow, Allotment 15078
Public acres – 3,082
AUMs – 576
Public land – 44%
Livestock No. – 200 cattle
Season of Use – 5/1-11/15
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage at the T1, T2, T4 and T5 locations. Maintain vegetation in current seral stage at the T6 and T7 locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Continue noxious weed control efforts.

Proposed Action: This allotment is divided into four pastures. To accurately reflect this, the BLM proposes splitting each pasture into separate lines on the permit; Pasture 1, Pasture 2, Pasture 3, Pasture 4.

The permittee has applied and an adjacent landowner has agreed to transfer 12 AUMs to the permittee's base property. The transferred 35 acres, 12 AUMs would dissolve an existing exchange of use agreement between federal and private land. The 12 AUMs would be added to the total preference in Pasture 4 of the allotment.

Public land acreage discrepancies were identified during a 2005 allotment inventory. Updated fence locations and intensive record searches identified 98 acres, 22 AUMs which had not been previously tabulated and would be added to Pasture 2. Nine acres, 2 AUMs would be removed from Pasture 1. Correction of these inaccuracies would result in the addition of 20 AUMs to the total preference in Pastures 1 & 2 of the allotment.

The permittee has proposed a crossfence and a stockwater pipeline extension. These improvements would create a fifth pasture to be included in the current rest rotation grazing management system.

The current permitted use would be modified;

- 200 cattle, 596 AUMs, season of use – 5/1-11/22, 44% active.
- 1 cattle, 12 AUMs, season of use – 3/1-2/28, 100% custodial.

Total preference would be adjusted to 608 AUMs

Use is based on a deferred rest rotation grazing system.

Due to recent seedings on intermixed private lands, as well as, actual and proposed pasture cross-fencing, an AMP revision would be necessary. Interim management would be as follows until range projects and seedings are implemented:

2007

	May	June	July	Aug	Sept	Oct	Nov
P.1			x	x	x		
P.1a			x	x	x		
P.2						x	x
P.3	←	←	←	rest	←	←	→
P.3a	←	←	←	rest	←	←	→
P.4	x	x					
P.4a	←	←	←	rest	←	←	→

2008

	May	June	July	Aug	Sept	Oct	Nov
P.1	←	←	←	rest	←	←	→
P.1a				x	x		
P.2		x					
P.3			x				
P.3a	←	←	←	rest	←	←	→
P.4						x	x
P.4a	x						

2009

	May	June	July	Aug	Sept	Oct	Nov
P.1			x				
P.1a	←	←	←	rest	←	←	→
P.2						x	x
P.3	x	x					
P.3a	←	←	←	rest	←	←	→
P.4				x			
P.4a					x		

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The permittee proposes construction of a 2.25 mi., 3-wire barbed wire crossfence originating at a point of intersection with an interior pasture fence located in T. 12 N., R. 25 E., sec. 9, SE¼SW¼, extending SE app. .75 mi., cornering and extending east 1.5 mi.

terminating at a point of intersection with the allotment boundary fence located in sec. 14, SE¼NW¼. The BLM and the permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide approximately 1.25 mi. of fence materials and construction specifications for the public land portion of this project. The permittee would provide all labor and assume all maintenance responsibilities.

The permittee also proposes a 3.25 mi. stockwater pipeline originating at an existing well located on private land, extending 1.75 mi. NE, entering public land in T. 12 N., R. 25 E., sec. 14, SE¼NW¼, extending approximately .75 mi. NE, exiting public land and continuing approximately .75 mi., to a terminal point on private land in sec. 11, E½E½. A stocktank would be located on public land in sec. 11, SW¼SE¼. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM or NRCS would provide construction specifications for this project; the permittee would provide all pipeline and stocktank materials, labor, and assume all maintenance responsibilities.

Leafy spurge is scattered throughout the uplands in this allotment. Houndstongue was inventoried on the reservoir in sec. 15. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands and selectivity within the riparian areas around the reservoir to prevent damage to non-target species and water resources.

Identification No. - 086
 Mosby Road, Allotment 25007
 Public acres – 80
 AUMs – 18
 Public land – 100%

Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 18 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 18 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 087
King, Allotment 04884
Public acres – 5,797
AUMs – 1,277
Public land – 36%
Livestock No. – 560 cattle
 36 cattle
 463 cattle

Season of Use – 5/20-9/22
 6/15-8/31
 9/23-12/06

Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage on the T3, T4, T5, & T6 locations. Maintain vegetation in current seral stage on T2 location.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would be modified to:

- 630 cattle, 881 AUMs, season of use - 5/20-9/22, 34% active.
- 40 cattle, 35 AUMs, season of use - 6/15-8/31, 34% active.
- 424 cattle, 355 AUMs, season of use - 9/23-12/06, 34% active.

Total preference would remain 1,277 AUMs.

The change in public land is due to inclusion of 150 private land AUMs within the allotment. The change in livestock numbers more accurately reflects current grazing management.

Public lands would continue to be managed with private lands in the current grazing system outlined in the King AMP. Grazing use would be within the permitted dates.

Numbers of cattle may vary depending on the duration of use.

Range Improvements: No range improvements are proposed.

Identification No. - 088
King 7 Heifer Pasture, Allotment 05054
Public acres – 527
AUMs – 119
Public land – 34%
Livestock No. – 70 cattle
Season of Use – 6/11-11/9
Grazing System – Active

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 70 cattle, 119 AUMs, season of use - 6/11-11/9, 34% active. Total preference would remain 119 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 089
King Winter Pasture, Allotment 15055
Public acres – 279
AUMs – 68
Public land – 100%
Livestock No. – 6 cattle
Season of Use – 3/1-7/31
9/1-2/28
Grazing System – Active & Custodial

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue:
- 6 cattle, 30 AUMs, season of use - 3/1-7/31, 100 % active.
- 6 cattle, 38 AUMs, season of use - 9/1-2/28, 100% custodial.

Total preference would remain 68 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 090
Nebraska Place, Allotment 04890
Public acres – 4,902
AUMs – 1,202
Jim Coulee Pasture – 135
Remainder of Allotment – 1,067
Public land – 100%
Livestock No. – 89 cattle
Jim Coulee – 23 cattle
Season of Use – 3/1-2/28
9/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage in T1 and T4 locations.
Maintain vegetation in current seral stage in T2, T3 and T5 locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue:

- 89 cattle, 1,067 AUMs, season of use - 3/1-2/28 (this portion of the allotment is in the Winnett CSGD), 100% custodial.
- Jim Coulee Pasture (within the Nebraska Place Allotment but not in a CSGD); 23 cattle, 135 AUMs, season of use - 9/1-2/28, 100% custodial.

Total preference would remain 135 AUMs for the Jim Coulee Pasture and 1,067 AUMs for the remainder of the allotment.

The permittee would be required to remove a large fuel tank located in T. 12 N., R. 27 E., sec. 32, NW¼SE¼.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on reservoirs in secs. 20, 24, & 26. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selective control within the riparian areas to prevent damage to non-target species and water resources.

Identification No. - 091
West Bohemian, Allotment 02636
Public acres – 720
AUMs – 194
Public land – 100%
Livestock No. – 16 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Utilize crested wheatgrass to optimize native capability
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The BLM and permittee propose construction of a crossfence in the allotment to create a separate pasture dominated by crested wheatgrass. The new fence would result in three pastures within the allotment. The crested wheatgrass pasture would be grazed 4/1-6/15. Fall grazing of crested wheatgrass could be authorized with appropriate BLM approval. The remaining two native pastures would be rotated with other deeded pastures after 6/15.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

The current permitted use would continue; 16 cattle, 194 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 194 AUMs.

Range Improvements: A new 3-wire barbed wire crossfence would be constructed within the allotment. The .5 mi. fence would begin at a point intersecting the existing boundary fence in T. 18 N., R. 23 E., sec. 7, NE corner of the NW $\frac{1}{4}$ SW $\frac{1}{4}$, extend NW splitting the reservoir in T. 18 N., R. 22 E., sec. 12, SE $\frac{1}{4}$ NE $\frac{1}{4}$, continuing NW to a point intersecting a north/south pasture fence in sec. 12, SE $\frac{1}{4}$ NE $\frac{1}{4}$.

The BLM would enter into a range improvement cooperative agreement for this project. The BLM would provide fence

materials for the public land portion of the project and construction specifications; the permittee would provide labor to construct the fence and assume all maintenance responsibilities.

Identification No. - 092
Kruger, Allotment 04885
Public acres – 188
AUMs – 32
Public land – 100%
Livestock No. – 3 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 3 cattle, 32 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 32 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 093
Bassett Place, Allotment 15043
Public acres – 4,280
AUMs – 963
Public land –

Duck, Homestead, 100%
Calving Pasture, 63%
North Timber, 83%
South Timber, 71%
Eagle Butte, 86%

Livestock No. –
Duck, Homestead, Etc. - 34 cattle
Calving Pasture – 150 cattle
Calving Pasture – 75 cattle
North Timber – 75 cattle
North Timber – 90 cattle
South Timber – 95 cattle
Eagle Butte – 33 cattle

Season of Use –
Duck, Homestead, Etc. - 3/1-2/28
Calving Pasture – 3/15-3/31
Calving Pasture – 4/1-4/30
North Timber – 4/15-5/30
North Timber – 11/1-11/30
South Timber – 5/20-8/10
Eagle Butte – 6/1-9/26

Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage on T1, T2, T3, T6 and T8 locations. Maintain vegetation in late seral stage at the T4, T5 and T7 locations.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Duck Creek to Proper Functioning Condition where livestock and weeds are significant factors controlling riparian condition.
- Consult with the permittee to develop and implement management actions to ensure riparian areas are meeting or making significant progress toward meeting rangeland health standards.
- Control noxious weeds as indicated in range improvements below.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Duck Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The BLM proposes splitting the Duck Creek Pasture and the Homestead pastures into a separate line on the permit.

The BLM proposes implementing a 4-pasture deferred rotation grazing system in the East Timber, Pasture E, South Ford's Creek and Duck Creek Pastures. The proposed grazing system is illustrated in the tables below.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

2007

	East Timber	Pasture E	South Ford's Creek	Duck Creek
194 cattle	5/1-6/1	6/2-7/10	7/11-8/18	8/19-10/15

2008

	East Timber	Pasture E	South Ford's Creek	Duck Creek
194 cattle	9/14-10/15	5/1-6/8	6/9-7/16	7/17-9/13

2009

	East Timber	Pasture E	South Ford's Creek	Duck Creek
194 cattle	8/6-9/6	9/7-10/15	5/1-6/8	6/9-8/5

2010

	East Timber	Pasture E	South Ford's Creek	Duck Creek
194 cattle	6/28-7/29	7/30-9/6	9/7-10/15	5/1-6/27

The BLM also proposes implementing a 3-pasture deferred rotation grazing system in the Eagle Butte, North Timber and South Timber Pastures. In this rotation grazing system, Eagle Butte would be utilized first every year to most efficiently utilize the crested wheatgrass.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	Eagle Butte	North Timber	South Timber
89 cattle	5/1-6/6	6/7-8/15	8/16-10/15

Even Years

	Eagle Butte	North Timber	South Timber
89 cattle	5/1-6/6	8/7-10/15	6/7-8/6

On October 16, livestock from both grazing systems would be combined into the Calving Pasture for 10 days before being moved to private land.

The current permitted use would be modified:

- Duck Creek, South Ford's Creek, Pasture E, & East Timber; 194 cattle, 407 AUMs, season of use – 5/1-10/15, 38% active.
- Calving Pasture; 181 cattle, 95 AUMs, season of use – 10/15-10/30, 100% active.
- Eagle Butte; 80 cattle, 108 AUMs, season of use – 5/1-6/10, 100% active.
- North & South Timber; 86 cattle, 352 AUMs, season of use – 6/1-10/15, 91% active.

Total preference would remain 963 AUMs.

Grazing use would be in accordance with the schedule outlined in the Petrolia WS Plan.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on the Duck Creek riparian area and on five reservoirs within the allotment (secs. 2, 26, 29, 31, 33). The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources. No additional range improvement projects are proposed.

Identification No. - 094
 Maidenhead, Allotment 02616
 Public acres – 440
 AUMs - 102
 Public land – 100%
 Livestock No. – 9 cattle
 Season of Use – 3/1-2/28
 Grazing System - Custodial

Meeting Upland Standard:

- No. Crested wheatgrass was noted throughout the allotment.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Utilize crested wheatgrass to optimize native vegetation capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The BLM recognizes that without mechanical treatment or some form of vegetative manipulation to decrease the percentage of crested wheatgrass, this allotment may be in its climax successional stage. The current permitted use would continue; 9 cattle, 102 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 102 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 095
Fisher, Allotment 02642
Public acres – 846
AUMs – 116
Public land – 100%
Livestock No. – 10 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage on T1 and T3 locations. Maintain vegetation in current seral stage on T2 location.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Little Box Elder (Brickyard) Creek to Proper Functioning Condition realizing that a change in grazing management would not improve riparian health where natural erosion is a significant factor controlling riparian condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Box Elder Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 10 cattle, 116 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 116 AUMs.

Range Improvements: Canada thistle was inventoried on a reservoir in sec. 9 and two reservoirs in sec. 10. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selective control within the riparian area and around reservoirs to prevent damage to non-target species and water resources.

Identification No. - 096
Box Elder L & L Ind., Allotment 04854
Public acres – 560
AUMs - 194
Public land – 100%
Livestock No. – 16 cattle
Season of Use – 3/1- 2/28
Grazing System - Custodial

Meeting Upland Standard:

- No. Crested wheatgrass is prevalent throughout the allotment.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Utilize crested wheatgrass to optimize native capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The BLM recognizes that without mechanical treatment or some form of vegetative manipulation to decrease the percentage of crested wheatgrass, this allotment may be in its climax successional stage. Wyoming big sage is encroaching into the crested wheatgrass; no mechanical treatment or vegetative manipulation of the crested wheatgrass is proposed. The permittee proposes installing a single strand high tensile electric fence to encourage improved utilization of crested wheatgrass in the southern portion of the allotment. The crested wheatgrass would be grazed early

spring thereby relieving pressure from the native vegetation during critical growing periods.

The current permitted use would continue; 16 cattle, 194 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 194 AUMs.

Range Improvements: The permittee proposes construction of a single strand high tensile electric fence originating in T. 17 N., R. 25 E., sec. 24, NW $\frac{1}{4}$ NE $\frac{1}{4}$, extending SE .5 mi., terminating at a point of intersection with the allotment boundary fence located in T. 17 N., R. 25 E., sec. 24, SE $\frac{1}{4}$ NW $\frac{1}{4}$. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The permittee would provide all materials and labor to construct the public and private land portions of the fence and assume all maintenance responsibilities.

Identification No. - 097
Buckler Place, Allotment 02519
Public acres – 720
AUMs – 154
Public land – 100%
Livestock No. – 13
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment lies west of the Fergus/Petroleum County line and includes 126 AUMs from the William Lewis Ind. Allotment which lies east of the county line. Combined, the Buckler Place Allotment and a portion of the William Lewis Ind. Allotment create one pasture, the West Pasture containing 280 AUMs. The BLM proposes using this pasture in combination with two other pastures in the William Lewis Ind. Allotment in a 3-pasture deferred rotation grazing system. The West Pasture is dominated by crested wheatgrass; to optimize utilization, livestock grazing would be authorized in the spring months. (See William Lewis Ind. Allotment for rotation schedule).

The current permitted use would be modified; 135 cattle, 153 AUMs, season of use – 4/1-6/30, 38% active. Total preference would remain 154 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: No range improvements are proposed.

Identification No. - 098
 William Lewis Ind., Allotment 04886
 Public acres – 3,263
 AUMs – 773

Public land – 100%
 Livestock No. – 64
 Season of Use – 3/1-2/28
 Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T1 and T5 localitons. Maintain late seral stage at the T2 and T3 localitons.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting. Continue noxious weed control efforts.

Proposed Action: This allotment consists of three pastures. The BLM proposes listing the North and South pastures as one line and the West pasture as a separate line on the permit. The West Pasture contains 126 AUMs and incorporates 154 AUMs from the Buckler Place Allotment totaling 280 AUMs.

The BLM proposes implementing a 3-pasture deferred rotation grazing system. In this rotation grazing system, the West Pasture would be utilized first every year to optimize crested wheatgrass utilization.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	West Pasture	South Pasture	North Pasture
165 cattle	4/15-6/30	7/1-9/16	9/17-11/1

Even Years

	West Pasture	South Pasture	North Pasture
165 cattle	4/15-6/30	8/16-11/1	7/1-8/15

The current permitted use would be modified;

- North and South Pastures; 133 cattle, 646 AUMs, season of use – 6/1-11/1, 96% active.
- West Pasture; 68 cattle, 126 AUMs, season of use – 4/1-6/30, 62% active.

Total preference would remain 773 AUMs.

Grazing use would occur in accordance with the schedule outlined in the Petrolia WS Plan.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle and houndstongue were inventoried on the reservoirs in secs. 9, 18, 20, & 21. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within the riparian area and around reservoirs to prevent damage to non-target species and water resources.

Identification No. - 099
Ranch, Allotment 04869

Public acres – 1,070
AUMs – 205
Public land – 100%
Livestock No. – 17 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 17 cattle, 205 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 205 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 100
Salt Sage, Allotment 14992
Public acres – 20
AUMs – 3
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 3 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 3 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 101
Marks Ind., Allotment 04887
Public acres – 1,471
AUMs – 296
Public land – 80%
Livestock No. – 74 cattle
Season of Use – 6/1-10/31
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- Yes.

Riparian Objectives:

- Maintain riparian area health on Box Elder Creek and Buffalo Creek in Proper Functioning Condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Box Elder Creek and Buffalo Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 74 cattle, 298 AUMs, season of use - 6/1-10/31, 80% active. Total preference would remain 296 AUMs.

The permittee proposes a crossfence to implement a 2-pasture deferred rotation grazing system. Season of use would remain the same.

Range Improvements: A proposed 3-wire barbed wire crossfence would originate at a point of intersection with an existing allotment boundary fence located in T. 15 N., R. 27 E., sec. 6, NW $\frac{1}{4}$ NW $\frac{1}{4}$, extend SE approximately 1.25 mi. below Vogel reservoir, terminating at the point of intersection with the allotment boundary fence located in T. 15 N., R. 27 E., sec. 5, SW $\frac{1}{4}$ NW $\frac{1}{4}$. The BLM and permittee would enter into a range improvement cooperative agreement for this project. The BLM would provide approximately .75 mi. fence materials and construction specifications for the public land portion of this project. The permittee would provide all labor and assume all maintenance responsibilities.

Identification No. - 102
 North Box Elder, Allotment 04850
 Public acres – 1,318
 AUMs – 318
 Public land – 41%
 58 %
 Livestock No. –
 North Box Elder - 64 cattle
 Stewart Pasture – 90 cattle
 Season of Use –
 North Box Elder – 6/1-9/30
 Stewart Pasture – 5/15-9/14
 Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T3, T4, and T5 locations. Maintain vegetation in late seral stage at the T1 and T2 locations.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment currently consists of four pastures; three large pastures (North Box Elder, Stewart, and Crested) and one very small pasture (Feldt).

The Feldt Pasture would be grazed in conjunction with the Stewart Pasture. To accurately reflect this, the BLM proposes creating a third line on the permit for the Crested Pasture. The permittee proposes a .5 mi., 3-wire barbed wire crossfence and a cattle guard in the North Box Elder Pasture to create a fourth large pasture named the Middle Pasture. A 4-pasture deferred rotation grazing system would be implemented utilizing the Middle Pasture and the three large pastures discussed above. The permittee proposes an additional private land pasture of early season 'Bozoyski' Russian wildrye. The additional pasture would result in two early season pastures (one crested wheatgrass and one wildrye) and three native pastures. The Wildrye Pasture would not be included in the 4-pasture deferred rotation system but it would be used to defer grazing on native species in the rotation system. A pipeline extension and one stocktank in the Stewart Pasture and one stocktank in the Wildrye Pasture are proposed. BLM and the permittee also propose a pipeline extension and stocktank in the Feldt Pasture. The proposed 4-pasture deferred rotation is illustrated in the following tables:

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Year 1

	Crested Pasture	Stewart Pasture	Middle Pasture	North Box Elder
99 cattle	5/5-6/15	6/16-8/18	8/19-9/7	9/8-10/30

Year 2

	Crested Pasture	Stewart Pasture	Middle Pasture	North Box Elder
99 cattle	5/5-6/15	8/28-10/30	6/16-7/5	7/6-8/27

Year 3

	Crested Pasture	Stewart Pasture	Middle Pasture	North Box Elder
99 cattle	5/5-6/15	8/8-10/10	10/11-10/30	6/16-8/7

The current permitted use would be modified:

- Stewart Pasture; 53 cattle, 151 AUMs, season of use – 6/15-10/30, 63% active. (Including the Feldt Pasture).
- Crested Pasture; 97 cattle, 59 AUMs, season of use – 5/5-6/15, 44% active.
- North Box Elder; 62 cattle, 107 AUMs, season of use – 6/15-10/30, 38% active. (Including the Middle Pasture).

Total Preference would remain 318 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: The BLM and permittee propose extensions of two existing livestock water pipelines and three stocktanks (two tanks on BLM and one on private).

- The first extension would originate at a private well located in T. 15 N., R. 27 E., sec. 10, NE $\frac{1}{4}$ SW $\frac{1}{4}$. The pipeline would extend northwesterly .5 mi. (.25 mi. on BLM) with a terminal stocktank located in sec. 10, SW $\frac{1}{4}$ NW $\frac{1}{4}$.
- The second extension would originate at a point intersecting an existing pipeline located in T. 15 N., R. 27 E., sec. 3, S $\frac{1}{2}$ NE $\frac{1}{4}$, extending west 1.5 mi. (1.0 mi. on BLM) with one stocktank located in sec. 3, SE $\frac{1}{4}$ NW $\frac{1}{4}$ and a terminal stocktank located on private land in the Wildrye Pasture.

The BLM and permittee also propose a .5 mi. 3-wire barbed wire crossfence beginning at a point of intersection with the existing allotment boundary fence located in T. 16 N., R. 27 E., the common corner of secs. 26, 27, 34, & 35, extending west .5 mi. terminating at the allotment boundary fence located on the sec. line between secs. 27 & 34. A cattleguard would be installed where the county road intersects the proposed fenceline.

The BLM and permittee would enter into range improvement cooperative agreements for these projects.

- Pipeline extension 1; the BLM would provide pipeline material, one stocktank and construction specifications for the public land portion of the project. The permittee would provide pipeline material for the private land portion of the project, all installation costs and assume all maintenance responsibilities on public and private land.
- Pipeline extension 2; the BLM would provide pipeline material and construction specifications for the public land portion of the project. The Permittee would supply pipeline material for the private land portion of the project, all stocktanks, installation costs, and assume all maintenance responsibilities on public and private land.
- Crossfence project; the BLM would provide fence materials for the public land portion of the project and construction specifications. The permittee would provide labor to construct the fence and assume all maintenance responsibilities. The BLM would provide the cattleguard and bases and petition Petroleum County for construction specifications and permission to install.

Identification No. - 103
 Munson, Allotment 02653
 Public acres – 372
 AUMs – 91
 Public land – 100%
 Livestock No. – 8 cattle
 Season of Use – 3/1-2/28
 Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage in the T2 location. Maintain vegetation in current seral stage at in the T1 location.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 8 cattle, 91 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 91 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 104
Briggs Coulee, Allotment 02647
Public acres – 640
AUMs – 113
Public land – 100%
Livestock No. – 9
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or

making significant progress toward meeting rangeland health standards

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment is managed as two separate pastures. To reflect this use, the BLM proposes splitting the two pastures on the permit; North and South of the highway. The current permitted use would be modified;

- North; 29 cattle, 29 AUMs, season of use - 6/1-10/31, 20% active.
- South; 330 cattle, 83 AUMs, season of use - 6/1-10/31, 5% active.

Total preference would remain 113 AUMs.

The BLM and permittee propose to separate the pasture south of the highway with a 3-wire barbed wire crossfence and clean out an existing reservoir in sec. 31. The purpose of the proposed projects would be to defer grazing on public land within the pasture until July 1.

Range Improvements: The BLM and permittee propose installation of a 3-wire barbed wire cross-fence originating at a point of intersection with an existing allotment boundary fence located in T. 15 N., R. 24 E., sec. 30, SW $\frac{1}{4}$ SW $\frac{1}{4}$, extending SE approximately 1.25 mi., terminating at the point of intersection with an existing allotment boundary fence located in T. 15 N., R. 24 E., sec. 32, NW $\frac{1}{4}$ NW $\frac{1}{4}$.

The BLM and permittee also propose cleaning out a reservoir located in T. 15 N., R. 24 E., sec. 31, NE¼NW¼. The BLM and permittee would enter into range improvement cooperative agreements for these projects. The BLM would provide fence materials and construction specifications for the public land portion of the project. The permittee would provide materials for the private land portion of the project, labor to construct the fence and assume all maintenance responsibilities.

The BLM would rehabilitate the reservoir; the permittee would accept maintenance responsibilities following completion of the project.

Leafy spurge was inventoried in sec. 31, N½. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize control in the uplands.

Identification No. - 105
Musselshell, Allotment 15010
Public acres – 282
AUMs – 48
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System – Active

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 4 cattle, 48 AUMs, season of use - 3/1-2/28, 100% active. Total preference would remain 48 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 106
Adams, Allotment 02665
Public acres – 160
AUMs – 61
Public land – 100%
Livestock No. – 6 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No. Crested wheatgrass is prevalent throughout the allotment.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Utilize crested wheatgrass to optimize native capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The BLM recognizes that without mechanical treatment or some form of vegetative manipulation to decrease the percentage of crested wheatgrass, this allotment may be in its climax successional stage. No mechanical treatment or vegetative manipulation of the introduced grass species is proposed.

The current permitted use would be modified; 56 cattle, 61 AUMs, season of use - 6/5-7/7, 100% active. Total preference would remain 61 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 107
Pearce, Allotment 14911
Public acres – 160
AUMs - 48
Public land – 100%
Livestock No. – 4 cattle
Season of Use – 3/1-2/28
Grazing System - Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Utilize introduced grass species to optimize native capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize non-native vegetative species to optimize native vegetation capability.

Proposed Action: The BLM recognizes that without mechanical treatment or some form of vegetative manipulation to decrease the percentage of introduced grass species, this allotment may be in its climax successional stage. No mechanical treatment or vegetative manipulation of the introduced grass species is proposed. The permittee proposes a change of class of livestock from cattle only to cattle and sheep.

The current permitted use would be modified:

- 10 sheep, 24 AUMs, season of use - 3/1-2/28, 100% active.
- 2 cattle, 24 AUMs, season of use – 3/1-2/28, 100% active.

Total preference would remain 48 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 108
West Winnett, Allotment 15023
Public acres – 1,284
AUMs – 289
Public land – 100%
Livestock No. – 24 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions

to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: This allotment is currently managed as two separate pastures. To reflect this use, the BLM proposes splitting the two pastures into separate lines on the permit - East and West.

103 acres of public land permitted in this allotment are fenced into an adjacent allotment permitted to another landowner. This public land was involved in an exchange of use with private land within the West Winnett Allotment. Three years ago the private land was plowed and placed into CRP; the associated use restrictions rendered the existing exchange of use null and void. The permittee would have one year to fence the 103 acres (24 AUMs) of public land into the West Winnett Allotment. If the fence adjustment is not accomplished, the BLM proposes transferring the 24 AUMs associated with the exchange of use to the adjacent permittee.

If the 103 acres is fenced, the current permitted use would be modified;

- East Pasture; 85 cattle, 218 AUMs, season of use - 7/15-9/30, 100% active.

- West Pasture; 28 cattle, 72 AUMs, season of use 7/15-9/30, 100% custodial.

Total preference would be remain 289 AUMs.

If the 103 acres is not fenced, the current permitted use would be modified;

- East Pasture; 85 cattle, 218 AUMs, season of use - 7/15-9/30, 100% active.
- West Pasture; 19 cattle, 48 AUMs, season of use - 7/15-9/30, 100% custodial.

Total preference would be modified to 265 AUMs.

A term and condition would be added to the permit indicating that after three years the BLM would reassess the rangeland health condition. At that time, if rangeland health standards are being met, the permitted use would be modified to:

- East Pasture; 54 cattle, 217 AUMs, season of use - 6/1-9/30, 100% active.
- West Pasture; 18 cattle, 72 AUMs, season of use - 6/1-9/30, 100% custodial

(or, if not fenced)

- West Pasture; 12 cattle, 48 AUMs, season of use - 6/1-9/30, 100% custodial.

The permittee proposes prairie dog control on 4.5 acres of public land located in T. 14 N., R. 26 E., sec. 13, NE¼SW¼. Prairie dogs on the public land are part of a larger town which has expanded to the Winnett Airport runway. Removing the prairie dogs on the BLM portion would assist with an effort to eliminate the dogs on the airport.

Range Improvements: No range improvements are proposed.

Identification No. - 109
Hill South Winnett, Allotment 04876

Public acres – 440
AUMs – 105
Public land – 100%
Livestock No. – 9 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:
- N/A
Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A
Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.
Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 9 cattle, 105 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 105 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 110
S. Fork Bear Creek, Allotment 02654
Public acres – 200
AUMs – 18
Public land – 100%
Livestock No. – 3 cattle
Season of Use – 5/1-11/15
Grazing System – Custodial

Meeting Upland Standard:
- Yes.
Upland Objectives:
- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:
- N/A
Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A
Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.
Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 3 cattle, 18 AUMs, season of use - 5/1-11/15, 100% custodial. Total preference would remain 18 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 111
O-N, Allotment 02662
Public acres – 307
AUMs – 57
Public land – 100%
Livestock No. – 5 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:
- Yes. Approximately 50% of the allotment is crested wheatgrass.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Utilize crested wheatgrass to optimize native capability.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 5 cattle, 57 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 57 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 112
Bohemian South, Allotment 02656
Public acres – 360
AUMs – 81
Public land – 100%
Livestock No. – 7 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 7 cattle, 81 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 81 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 113
Chimney Rock South, Allotment 05098
Public acres – 490
AUMs - 190
Public land – 74%
Livestock No. – 64 cattle
Season of Use – 5/5-9/5
Grazing System - Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Utilize crested wheatgrass to optimize native vegetation capability.

Proposed Action: The BLM recognizes that without mechanical treatment or some form of vegetative manipulation to decrease the percentage of crested wheatgrass, this allotment may be in its climax successional stage. The allotment contains two pastures. The pasture south of the county road consists of 266 private acres; the pasture north of the county road consists of 170 acres (34 AUMs) of native range and 320 acres (156 AUMs) of crested wheatgrass dominated vegetation. The BLM and permittee propose a .5 mi. crossfence and removal of 1.0 mi. of existing fence to incorporate the native vegetation into the Bombing Range Pasture of the Skibby Place Allotment. This transfer of 34 AUMs would reduce the total preference in the allotment from 190 to 156 AUMs.

The proposed .5 mi. pipeline extension in the Skibby Place Allotment would intersect an existing pipeline on private land within this allotment and provide water to two existing stocktanks. The current water source would be plugged and replaced by the proposed pipeline extension. This proposal would not require any disturbance or construction on the public land within the allotment.

The current permitted use would be modified; 76 cattle, 155 AUMs, season of use - 5/1-7/1, 100% active. Total preference would be 156 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Fall grazing of crested wheatgrass could be authorized with appropriate BLM approval.

Range Improvements: The BLM and permittee propose a .5 mi., 3-wire barbed wire crossfence originating at a point of intersection with the allotment boundary fence located in T. 17 N., R. 26 E., common corner of secs. 32 & 33. The fence would extend north on the section line .5 mi. and terminate at the allotment boundary fence. The permittee would remove approximately 1.0 mi. of existing fence located in T. 17 N. R. 26 E., sec. 32, SE $\frac{1}{4}$, and use the materials to build the new .5 mi. fence.

The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The BLM would provide construction specifications for the public land portion of the project; the permittee would provide labor and assume all maintenance responsibilities for the fence.

Canada thistle and burdock were inventoried on the reservoir in sec. 32. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity around the reservoir to prevent damage to non-target species and water resources. No additional range improvements are proposed.

Identification No. - 114
Chimney Rock Ind., Allotment 15095
Public acres – 390
AUMs - 116
Public land – 100%
Livestock No. – 10 cattle
Season of Use – 3/1-2/28
Grazing System - Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: In 2006, the current permittee purchased the Chimney Rock Ind. Allotment thereby dissolving the exchange of use agreement between the previous permittee and the current permittee. As a result, 120 acres, 34 AUMs fenced into this allotment would be added to the total preference, adjusting the number from 116 AUMs to 150 AUMs.

The BLM and permittee propose construction of a 1.5 mi. fence to allow a proposed dense clubmoss mechanical treatment area to be rested from livestock grazing for at least two growing seasons. After the fence is constructed, the permittee would treat approximately 100 acres of clubmoss. When BLM monitoring determines that the treated clubmoss area can be incorporated into the grazing system, the permittee would remove approximately .75 mi. of existing fence. This would result in the treated area being incorporated into the Bombing Range Pasture in the Skibby Place Allotment. This action would result in a 46 AUM decrease in the total preference for this allotment from 150 AUMs to 104 AUMs.

The current permitted use would be modified; 14 cattle, 105 AUMs, season of use - 5/1-12/15, 100 % custodial. Total preference would be adjusted to 104 AUMs.

Range Improvements: The BLM and permittee propose a 1.5 mi., 3-wire barbed wire crossfence originating at a point intersecting an allotment boundary fence located in T. 17 N., R. 26 E., common corner of secs. 29, 30, 31 & 32, extending east .5 mi., cornering and extending south .25 mi, cornering and extending east .5 mi., cornering and extending south .25 mi., terminating at the allotment boundary fence located on the section line between secs. 32 & 33. The permittee would remove approximately .75 mi. existing fence located in T. 17 N. R. 26 E., sec. 32, NW¼.

The BLM and permittee would enter into a range improvement cooperative agreement for this proposed project. The BLM would provide all fence materials and construction specifications for the public land portion of the project; the permittee would provide labor and assume all maintenance responsibilities for the fence.

The permittee proposes a 100 acre (approximate) dense clubmoss mechanical treatment located in T. 16 N., R. 26 E., sec. 32, NW¼, north of an existing allotment boundary fence, and the S½NE¼ lying north of the allotment boundary fence. This project would comprise a once-over treatment with no drags or harrows to minimize the removal of concentrated stands of Wyoming big sagebrush. The treated area would exclude rocky ridgetops and areas with sandy soils. Livestock grazing would be excluded from the area until monitoring determines native species have adequately established. The BLM and permittee would enter into a range improvement cooperative agreement; the permittee would provide all labor and equipment for the treatment project.

Identification No. - 115
Skibby Place, Allotment 15059
Public acres – 10,361

AUMs – 2,568
 Public land – Various
 Livestock No. –

- 3 cattle
- 41 cattle
- 10 cattle
- 430 cattle

Season of Use –

- 3/1-2/28
- 12/5-2/28
- 3/1-2/28
- 5/5-11/30

Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage at the T4, and T5 locations. Maintain vegetation at the late seral stage at the T1, T2, T3, T6, and T7 locations.
- Consult with the permittee to develop and implement management actions to ensure uplands are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian area health on Ford's Creek to Proper Functioning Condition. The current health rating is Functioning at Risk with an upward trend; current livestock management is not a significant factor.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Ford's Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover in the South Pasture to support sage grouse

nesting. Improve sagebrush density within the allotment.

Proposed Action: This allotment currently contains eight pastures. To accurately reflect this, the BLM proposes splitting each pasture into a separate line on the permit. The Bombing Range, North and South Pastures would be combined as one line to reflect the grazing rotation. Pastures would be named: School, West Winter, West Home, East Home, Holding, Bombing Range, North and South.

Currently fenced into the Chimney Rock Ind. Allotment are 120 acres, 36 AUMs, located in T. 17 N. R. 26 E., secs. 28 & 30. In the spring of 2006, the current permittee purchased the Chimney Rock Ind. Allotment, thereby dissolving an exchange of use agreement. To accurately reflect the elimination of the exchange of use, 36 AUMs would be transferred from the North Pasture in the Skibby Place Allotment to the Chimney Rock Ind. Allotment. The permittee also proposes a 2.0 mi., 3-wire barbed wire crossfence in the Chimney Rock South and Chimney Rock Ind. Allotments, transferring 320 ac., 80 AUMs into the Bombing Range Pasture. The changes described above would result in a 43 AUM increase to the total preference in the Skibby Place Allotment from 2568 to 2611 AUMs.

The BLM proposes a 3-pasture deferred rotation grazing system in the Bombing Range, North, and South Pastures as indicated in the following tables.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

2007

	Bombing Range	South	North
405 cattle	5/1-6/29	6/30-9/15	9/16-12/2

2008 (34 AUMs from the Chimney Rock South Allotment would be included in the Bombing Range Pasture).

	Bombing Range	South	North
413 cattle	10/1-12/1	5/1-7/16	7/17-9/30

2009

	Bombing Range	South	North
413 cattle	7/16-9/15	9/16-12/1	5/1-7/15

2010 (46 AUMs from the Chimney Rock Ind. Allotment would be included in the Bombing Range Pasture).

	Bombing Range	South	North
422 cattle	5/1-7/3	7/4-9/17	9/18-12/1

2011

	Bombing Range	South	North
422 cattle	9/29-12/1	5/1-7/15	7/16-9/28

2012

	Bombing Range	South	North
422 cattle	7/15-9/6	9/17-12/1	5/1-7/14

These three pastures would be monitored every two years. If monitoring indicates that no progress toward meeting the upland health standard is being made in the first five years, the BLM would implement a 3-pasture rest rotation grazing system as indicated in the tables below.

2012

	Bombing Range	South	North
444 cattle	5/1-8/6		Rest
439 cattle		8/7-12/1	↓

2013

	Bombing Range	South	North
442 cattle		Rest	5/1-8/31
441 cattle	9/1-12/1	↓	

2014

	Bombing Range	South	North
444 cattle	Rest	5/1-8/8	
439 cattle	↓		8/9-12/1

The permittee proposes changing the class of livestock in the Holding Pasture from cattle to horses. The BLM proposes to change the season of use from 3/1-2/28 to 9/15-2/28 to lessen the impact from the change of class of livestock. The permittee also proposes changing the class of livestock in the West Home Pasture from cattle to horses. This pasture contains 9 AUMs of federal range.

The current permitted use would be modified:

- School; 3 cattle, 38 AUMs, season of use - 3/1-2/28, 100% custodial.
- West Winter; 266 cattle, 489 AUMs, season of use - 12/5-2/28, 65% active.
- West Home; 1 horse, 9 AUMs, season of use - 3/1-2/28, 100% custodial.
- East Home; 9 cattle, 105 AUMs, season of use - 3/1-2/28, 100% custodial.
- Holding; 5 horses, 26 AUMs, season of use - 9/15-2/28, 100% custodial.
- Bombing Range, North & South Pastures; 422 cattle, 1,939 AUMs, season of use - 5/1-12/1, 65% active.

Total preference would be modified to 2,611 AUMs.

Grazing use would be in accordance with the grazing schedule outlined in the Petrolia WS Plan.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

The permittee proposes a stockwater pipeline extension from an existing pipeline

in the South Pasture extending NW where it would intersect a different existing pipeline in the Chimney Rock South Allotment.

South Fork Dry Blood reservoir, located within this allotment, has been identified as a fisheries reservoir and would be fenced with a 4-wire barbed wire (smooth bottom wire) fence to exclude livestock grazing (reference section 2.3.5). To compensate for the loss of livestock water, the BLM proposes a 2.25 mi. pipeline extension and two stocktanks in the North Pasture originating at an existing pipeline in T. 17 N., R. 26 E., sec. 34, NW $\frac{1}{4}$ SE $\frac{1}{4}$. These two projects are co-dependent.

A free flowing well has been discovered in T. 16 N., R. 25 E., sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$. BLM proposes installing a Monitor well head to control the unrestricted flow.

Range Improvements: The permittee proposes construction of a .5 mi. stockwater pipeline extension originating at a point intersecting an existing pipeline located in T. 16 N. R. 26 E., sec. 2, SE $\frac{1}{4}$ SW $\frac{1}{4}$ extending NW approximately .5 mi. From this location, the pipeline would extend into private land in the Chimney Rock South Allotment. The BLM and permittee would enter into a cooperative range improvement agreement for this project. The BLM would provide construction specifications for the pipeline, the permittee would provide all materials, labor, and assume all maintenance responsibilities for the public and private land portions of this project.

The BLM proposes a 2.25 mi. pipeline extension originating at a point intersecting an existing pipeline located in T. 17 N., R. 26 E., sec. 34, S $\frac{1}{2}$ SE $\frac{1}{4}$. The pipeline would extend east approximately 1.25 mi. to a stocktank located in sec. 35, SW $\frac{1}{4}$ NE $\frac{1}{4}$. From this point, the pipeline would extend north approximately 1.0 mi. to a terminal stocktank located in sec. 26, NE $\frac{1}{4}$ SE $\frac{1}{4}$. The BLM and permittee would enter into a cooperative range improvement agreement for this project. The BLM would provide

construction specifications, all materials and installation costs for the pipeline; the permittee would assume all maintenance responsibilities for this project.

The BLM proposes construction of a 1.0 mi., 4-wire barbed wire exclusionary fence (smooth bottom wire) around South Fork Dry Blood reservoir. The fence would follow the shape of the reservoir to minimize the enclosed area and the number of fence corners. The BLM would construct the fence and assume maintenance responsibilities.

Canada thistle was inventoried in the Ford's Creek riparian area and on reservoirs in secs. 24 & 26. Houndstongue was found on a reservoir in sec. 3. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within the riparian area to prevent damage to non-target species and water resources.

Identification No. - 116
Elder, Allotment 02659
Public acres – 160
AUMs – 36
Public land – 100%
Livestock No. – 3 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 3 cattle, 36 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 36 AUMs.

Range Improvements: No range improvements are proposed.

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue;

- S., 79 cattle, 83 AUMs, season of use - 6/1-9/22, 28% active.
- D., 24 cattle, 59 AUMs, season of use - 6/1-9/22, 66% active.

Total preference would remain; S. - 82 AUMs; D. - 60 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 117
Doman - Schultz, Allotment 04863
Public acres – 700
AUMs – Schultz - 82
Doman - 60
Public land – 28% & 66%
Livestock No. – S. - 79 cattle
D. - 24 cattle
Season of Use – 6/1-9/22
Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Identification No. - 118
Marsh Hawk, Allotment 04894
Public acres – 2,924
AUMs – 743
Public land – Various
Livestock No. –
Pasture A – 199 cattle
Pasture B – 279 cattle
Pasture D – 279 cattle
Season of Use –
Pasture A – 5/20-9/21
Pasture B – 10/13-12/23
Pasture D – 9/23-10/12
Grazing System – Active

Meeting Upland Standard:

- Yes. Patches of crested wheatgrass were noted throughout the allotment.

Upland Objectives:

- Maintain vegetation at T1 location in PNC. Maintain vegetation at T2 through T7 locations in late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue:

- Pasture A, 199 cattle, 491 AUMs, season of use - 5/20-9/21, 60% active.
- Pasture B, 279 cattle, 225 AUMs, season of use – 10/13-12/23, 34% active.
- Pasture D, 279 cattle, 28 AUMs, season of use - 9/23-10/12, 15% active.

Total preference would remain 743 AUMs.

Range Improvements: Canada thistle was inventoried on reservoirs in secs. 2 & 8. The BLM would work with the permittee to continue progressive noxious weed management under the current weed control cooperative agreement. Weed control efforts would emphasize prevention of spread into the uplands and selectivity near reservoirs to prevent damage to non-target species and water resources. No additional range improvements are proposed.

Identification No. - 119
Hughes Coulee, Allotment 04831
Public acres – 1,171
AUMs - 115
Public land – 100%
Livestock No. – 10 cattle
Season of Use – 3/1-2/28

Grazing System - Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment is currently managed as two pastures. The BLM proposes to reflect this by splitting the pastures into two lines on the permit; Johnson Coulee and East Pasture.

The current permitted use would be modified:

- Johnson Coulee; 38 cattle, 12 AUMs, season of use - 11/1-2/28, 8% active; 38 cattle, 3 AUMs, season of use – 3/1-4/1, 8% active.
- East Pasture; 99 cattle, 100 AUMs, season of use - 5/15-9/30, 22% active.

Total preference would remain 115 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 120
Maxwell Ranch, Allotment 15009
Public acres – 60
AUMs – 14
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 14 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 14 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 121
East Roy, Allotment 02670

Public acres – 640
AUMs - 124
Public land – 100%
Livestock No. – 11 cattle
Season of Use – 3/1-2/28
Grazing System - Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation at the T2 location to late seral stage. Maintain vegetation at the T1 location in late seral stage.
- Consult with the permittee to develop and implement management actions to ensure uplands and biodiversity are meeting or making significant progress toward meeting rangeland health standards.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Increase vegetative cover and forage to improve wildlife habitat within the allotment.

Proposed Action: This allotment is currently managed as two pastures. The BLM proposes to reflect this by splitting the pastures on the permit as the Irrigation Pasture and the East Pasture.

The current permitted use would be modified:

- Irrigation Pasture; 14 cattle, 65 AUMs, season of use - 10/1-2/28, 100% active. 14 cattle, 35 AUMs,

season of use - 3/1-5/15, 100% active.

- East Pasture; 4 cattle, 24 AUMs, season of use - 5/15-10/31, 100% custodial.

Total preference would remain 124 AUMs.

The Irrigation Pasture and East Pasture would be used in conjunction with private land in a 3-pasture rotation grazing system.

Range Improvements: No range improvements are proposed.

Identification No. - 122
Solf Bros. A, Allotment 15090
Public acres – 390
AUMs - 82
Public land – 63%
Livestock No. – 43 cattle
Season of Use – 4/1-5/31
 11/1-11/30
Grazing System – Active

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

- Improve residual cover to support sage grouse nesting.

Proposed Action: The current permitted use would continue; 43 cattle, 54 AUMs, season of use - 4/1-5/31, 63% active. 43 cattle, 27 AUMs, season of use 11/1-11/30, 63% active. Total preference would remain 82 AUMs.

If future monitoring results indicate that upland health is not positively responding to the current permitted use, the BLM may alter the course of grazing management as directed in section 2.4.1 below.

Range Improvements: No range improvements are proposed.

Identification No. - 123
Solf Bros. B, Allotment 04897
Public acres – 40
AUMs - 5
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 4/1-11/30
Grazing System - Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This 40 acre allotment is an exchange of use fenced into the Petrolia Bench Ranch Allotment South Pasture and is meeting the upland health standard.

Current permitted use would be modified to coincide with the Petrolia Bench Ranch Allotment; 1 cattle, 5 AUMs, season of use - 6/1-2/28, 100% custodial. Total preference would remain 5 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 124
Little Bear, Allotment 05018
Public acres – 820
AUMs - 176
Public land – 30%
Livestock No. – 97 cattle
Season of Use – 5/1-10/31
Grazing System - Active

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in PNC.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:
- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 97 cattle, 176 AUMs,

season of use - 5/1-10/31, 30% active.
Total preference would remain 176 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 125
Gorman Coulee, Allotment 04990
Public acres – 3,271
AUMs - 438
Public land – Various
Livestock No. –
Winnett CSGD
- Pasture A - 90 cattle
- Pasture B – 1 cattle
- Pasture C – 1 cattle
Lower Musselshell
- Pasture A – 90 cattle
- Pasture B – 55 cattle
- Pasture C – 1 cattle
Season of Use –
- Pasture A – 5/15-11/15
- Pasture B – 5/15-11/15
- Pasture C – 3/1-2/28
Grazing System – Active & Custodial

Meeting Upland Standard:
- Yes.

Upland Objectives:
- Maintain vegetation in late seral stage at the T3 location. Maintain vegetation in current seral stage on the T1 and T2 locations.

Meeting Riparian Health Standard:
- N/A

Riparian Objectives:
- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:
- N/A

Water Quality Objectives:
- N/A

Meeting Biodiversity Standard:
- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue:

Winnett CSGD;

- Pasture A; 90 cattle, 296 AUMs, season of use - 5/15-11/15, 54% active.
- Pasture B; 1 cattle, 2 AUMs, season of use - 5/15-11/15, 100% custodial.
- Pasture C; 1 cattle, 3 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference would remain 304 AUMs.

Lower Musselshell;

- Pasture A; 90 cattle, 11 AUMs, season of use – 5/15-11/15, 2% active.
- Pasture B; 55 cattle, 117 AUMs, season of use – 5/15-11/15, 35% active.
- Pasture C; 1 cattle, 4 AUMs, season of use – 3/1-2/28, 100% custodial.

A miscalculation in the allotment tabulation resulted in a 1 AUM discrepancy in the Lower Musselshell permit. The BLM proposes a correction and adjustment of the total preference from 134 to 133 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 126
 Alfalfa Acres, Allotment 14988
 Public acres – 124
 AUMs – 21
 Public land – 100%
 Livestock No. – 2 cattle
 Season of Use – 3/1-2/28
 Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.

- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 2 cattle, 21 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 21 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 127
 N.T., So. Rat, Pet. & Elk, Allotment 04900
 Public acres – 2,447
 AUMs – 463
 Public land – 100%
 Livestock No. – 22 cattle
 3 cattle
 7 cattle
 5 cattle
 Season of Use – 3/1-2/28
 Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in PNC at the T3 location. Maintain vegetation in late seral at the T2 & T4 locations. Maintain vegetation in current seral stage at the T1 & T5 locations.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: This allotment contains four pastures; North Teigen, South Rattlesnake, South Elk Creek, and South Patterson Place. The BLM proposes renaming the allotment Old Winnett Road and splitting the pastures on the permit with corresponding AUM allocations. Current permitted use would continue;

- North Teigen, 22 cattle, 265 AUMs, season of use 3/1-2/28, 100% custodial.
- South Rattlesnake, 3 cattle, 42 AUMs, season of use - 3/1-2/28, 100% custodial.
- South Patterson Place, 7 cattle, 89 AUMs, season of use - 3/1-2/28, 100% custodial.
- South Elk Creek, 5 cattle, 67 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference would remain 463 AUMs.

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on reservoirs in T. 15 N., R. 24 E., sec. 13 and T. 14 N., R. 25 E., sec. 17. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within riparian areas

and around reservoirs to prevent damage to non-target species and water resources.

Identification No. - 128
West Bassett, Allotment 15039
Public acres – 326
AUMs – 73
Public land – 100%
Livestock No. – 6 cattle
Season of Use – 3/1-2/28
Grazing System – Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 6 cattle, 73 AUMs, season of use 3/1-2/28, 100% custodial. Total preference would remain 73 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 129
Ford Creek, Allotment 15045

Public acres – 1,818

AUMs – 360

Public land – 40%

Livestock No. – 179 cattle

Season of Use – 6/1-10/31

Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue; 179 cattle, 360 AUMs, season of use 6/1-10/31, 40% active. Total preference would remain 360 AUMs.

Range Improvements: Canada thistle was inventoried on the reservoir in sec. 35 and on a canal bank and nearby ditches in secs. 23 & 24. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within riparian areas and around reservoirs and ditches to prevent damage to non-target species and water resources.

Identification No. - 130

Teigen Ind. Pasture, Allotment 04899

Public acres – 492

AUMs – 160

Public land – 32%

Livestock No. – 91 cattle

93 cattle

Season of Use – 3/1-6/15

1/1-2/28

Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage.
- Maintain upland range health.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue:

- 93 cattle, 58 AUMs, season of use - 1/1-2/28, 32% active.
- 91 cattle, 102 AUMs, season of use - 3/1-6/15, 32% active.

Total preference would remain 160 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 131
 Schuster & White, Allotment 15048
 Public acres – 7,925
 AUMs – Gladys – 427
 Teigen L&L – 1,579
 Public land – Various
 Livestock No. –
 G. - 24 cattle
 118 cattle
 T. L&L - 329 cattle
 Season of Use –
 G. – 5/20-9/30
 T. L&L – 5/15-9/25
 Grazing System – Active

 Meeting Upland Standard:
 - Yes.
 Upland Objectives:
 - Maintain vegetation in late seral stage.
 - Maintain upland range health.

 Meeting Riparian Health Standard:
 - N/A
 Riparian Objectives:
 - No riparian habitat on public land within this allotment.

 Meeting Water Quality Standard:
 - N/A
 Water Quality Objectives:
 - N/A

 Meeting Biodiversity Standard:
 - Yes.
 Biodiversity Objectives:
 - Maintain biodiversity within the allotment.

Proposed Action: This allotment is managed as two separate pastures. To reflect this use, the BLM proposes splitting the two pastures on the permit; East and West. The current permitted use would be continue:
 West Pasture:
 G. –
 - 24 cattle, 52 AUMs, season of use - 5/20-9/30, 49% active.

T. L&L -
 - 329 cattle, 551 AUMs, season of use - 5/15-9/25, 38% active.
 East Pasture:
 G. -
 - 118 cattle, 374 AUMs, season of use - 5/20-9/30, 72% active.
 T. L&L -
 - 329 cattle, 1029 AUMs, season of use - 5/15-9/25, 71% active.

G.s' total preference for this allotment would remain 427 AUMs. T. L&L total preference for this allotment would remain 1,579 AUMs.

The BLM proposes that the East and West Pastures be used in a 2-pasture deferred rotation grazing system as illustrated in the following tables.

Period of use would depend on the number of livestock and availability of water and forage in each of the pastures. Livestock would be moved when standards are met or AUMs have been consumed.

Odd Years

	Spring	Fall
East Pasture	Graze	
West Pasture		Graze

Even Years

	Spring	Fall
East Pasture		Graze
West Pasture	Graze	

The BLM proposes that the permittee submit actual use 15 days following grazing use.

Range Improvements: Canada thistle was inventoried on reservoirs in T. 15 N., R. 25 E., sec. 17; and T. 15 N., R. 26 E., sec. 22. The BLM would develop and implement a weed control cooperative agreement with the permittee. Weed control efforts would emphasize prevention of spread into the uplands and selectivity within riparian areas

and around reservoirs to prevent damage to non-target species and water resources.

- Continue noxious weed control and utilize crested wheatgrass to optimize native vegetation capability.

Identification No. - 132
Forgy Common, Allotment 12700
Public acres – 1,730
AUMs – 373
Public land – 100%
Livestock No. – B. - 20 cattle
 S. - 7 cattle
 D. - 23 cattle
 T. - 26 cattle

Season of Use –
 B., D., T., – 5/16-10/15
 S., 5/16- 9/15
Grazing System – Active & Custodial

Meeting Upland Standard:

- No.

Upland Objectives:

- Improve vegetation to late seral stage.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve the riparian area health on Ford's Creek to Proper Functioning Condition realizing that a change in grazing management would not improve the riparian health where noxious weeds, natural erosion, and historic irrigation diversion are considered significant factors controlling riparian condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Ford's Creek.

Meeting Biodiversity Standard:

- No.

Biodiversity Objectives:

Proposed Action: The current permitted use would continue as indicated above and outlined in the Forgy Common AMP.

Range Improvements: The allotment contains leafy spurge, whitetop and Canada thistle, primarily within the riparian zone. The BLM would develop and implement weed control cooperative agreements with each of the permittees. Weed control efforts would emphasize prevention of spread into the uplands and containment and control of existing weed populations within the riparian zone. BLM and MSU-Bozeman propose implementation of an experimental sheep grazing program within the riparian zone. The purpose of the experiment would be to determine the effectiveness of sheep grazing on whitetop within a riparian zone dominated by woody vegetation. The sheep project would require temporary exclusionary fencing around the riparian zone to keep the sheep in and cattle out. The proposed riparian fence would be multi-strand smooth wire electric. The BLM would install, maintain, and provide for removal of the fence at the end of the project. If the project proves to be effective on whitetop following three years, construction of a permanent fence would be contemplated. Early spring or fall cattle grazing of the riparian pasture could be incorporated into the 2-pasture deferred rotation grazing system following the initial three year experiment. No other range improvements are proposed.

Identification No. - 133
Whisonant Place, Allotment 14906
Public acres – 80
AUMs – 14
Public land – 100%
Livestock No. – 1 cattle
Season of Use – 3/1-2/28

Grazing System – Active

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in current seral stage.

Meeting Riparian Health Standard:

- N/A

Riparian Objectives:

- No riparian habitat on public land within this allotment.

Meeting Water Quality Standard:

- N/A

Water Quality Objectives:

- N/A

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: Based on limited resources and management objectives, this allotment would continue to be administered as custodial use. The current permitted use would continue; 1 cattle, 14 AUMs, season of use - 3/1-2/28, 100% custodial. Total preference would remain 14 AUMs.

Range Improvements: No range improvements are proposed.

Identification No. - 134

Little Box Elder, Allotment 02609

Public acres – 954

AUMs – 158

Public land – 100%

Livestock No. – Creek Pasture - 81 cattle
North Pasture - 2 cattle

Season of Use – Creek Pasture - 9/1-10/18
North Pasture - 3/1-2/28

Grazing System – Active & Custodial

Meeting Upland Standard:

- Yes.

Upland Objectives:

- Maintain vegetation in late seral stage at the T1 location. Maintain vegetation in current seral stage at the T2 location.

Meeting Riparian Health Standard:

- No.

Riparian Objectives:

- Improve riparian health on Little Box Elder (Brickyard) Creek to Proper Functioning Condition realizing that a change in grazing management will not improve riparian health where weeds, natural erosion, and chronic dewatering are controlling riparian condition.

Meeting Water Quality Standard:

- Yes.

Water Quality Objectives:

- Maintain water quality in Little Box Elder Creek.

Meeting Biodiversity Standard:

- Yes.

Biodiversity Objectives:

- Maintain biodiversity within the allotment.

Proposed Action: The current permitted use would continue;

- Creek Pasture, 85 cattle, 134 AUMs, season of use - 9/1-10/18, 100% active.
- North Pasture, 2 cattle, 24 AUMs, season of use - 3/1-2/28, 100% custodial.

Total preference would remain 158 AUMs.

Range Improvements: The allotment contains Canada thistle and houndstongue. The BLM and permittee would enter into a weed control cooperative agreement to manage noxious weeds. Weed control efforts would emphasize control and prevention of spread into the uplands and selectivity within riparian areas and around

reservoirs to prevent damage to non-target species and water resources.

No additional range improvements are proposed.

2.2.2 Noxious Weeds

Alternative 2 would implement an aggressive, integrated weed control effort. The BLM would incorporate cooperative weed control agreements into the terms and conditions of ten year grazing permits with noxious weed infestations. Cooperative weed control agreements could be initiated any time during the tenure of a permit if weeds are identified on an allotment. Permit terms and conditions would be modified to reflect the identification of noxious weeds and implementation of a cooperative weed control agreement. Noxious weeds have been identified on uplands and in riparian areas within the watershed. Continued inventory and monitoring would provide weed infestation trend data. The BLM would incorporate cooperative weed control agreements into the terms and conditions of new grazing permits for allotments with noxious weed infestations. Under these agreements, the BLM would provide the proper type and amount of herbicide and the permittee would apply the herbicide. Application would be made by the properly licensed permittee or contracted to a licensed applicator at the permittee's cost. Noxious weed inventory and monitoring within the watershed would be a continual, dynamic workload accomplished by permanent and seasonal BLM employees, private landowners and cooperating agency personnel. Inventory and monitoring data would be compiled by the LFO weed specialist and used to analyze the effectiveness of weed control efforts, project infestation trend patterns and provide guidance for future weed control planning and implementation.

The chemical component of the integrated weed control program would be closely monitored by the LFO weed specialist. All herbicide applications would utilize BLM approved herbicides (BLM annually revises an approved herbicide formulation list) by experienced, licensed applicators; all applications would comply with label restrictions and guidelines. In riparian areas, extreme caution would be taken to avoid damage to desirable vegetation, especially woody species. Herbicide applications within a riparian zone or within 100 feet of any body of water would be limited to hand spot spraying. Site specific exceptions could be granted if woody or desirable forb species are absent within a riparian zone. The BLM would utilize permanent and seasonal employees to implement site-specific herbicide prescriptions which would be identified outside of areas permitted for livestock grazing.

Biological control efforts would continue through release, dissemination and monitoring of newly available and established biocontrol agents. The BLM would continue a cooperative relationship with the Agricultural Research Service (ARS) by providing suitable experimental and research sites and assisting with associated biocontrol projects. Biological control would continue to be a valuable tool for control of Category 1 weeds (effective biocontrol of Russian knapweed and whitetop is being researched, but is not available at the time this document was written).

Noxious weed control measures would apply to all wildfire areas. Post-burn inventories / assessments would indicate if weed treatment is needed. During the livestock grazing rest period (discussed in 2.2.1 above), The BLM would continue weed treatment as necessary. After the livestock grazing rest period, The BLM would work with permittees in accordance with the cooperative weed control agreements discussed above.

2.2.3 Summary of Proposed Projects

Regardless of funding and range improvement projects, permittees must manage livestock according to standards and guidelines (Appendices A & B). Proper livestock grazing management would ensure that allotments not meeting standards would begin to make significant progress towards meeting standards by the start of the 2007 grazing season. Maintenance of all existing and proposed projects would be the responsibility of the permittees. A grazing rest period of two growing seasons may be required following vegetation treatments or wildfires. The actual rest period would depend on the recovery rates of each site as determined through monitoring. A list of proposed range improvement projects for the Petrolia Watershed is listed in Appendix I. Projects would not be limited to the list; additional projects could be completed to improve management and meet standards.

Cultural resource surveys would be conducted prior to implementation of range improvement projects, including vegetation treatments. Monitoring of noxious weeds would be conducted for two years following any surface disturbance.

Visual resource clearances would also be obtained prior to implementation of projects. Any surface disturbance that permanently removes existing vegetation from an area larger than ¼ acre would be reseeded and native vegetation reestablished.

Table 2.1 Summary of all range improvement projects proposed under Alternative 2.

Proposed Project	Total Affected Area
Dense clubmoss treatments	300 ac.
4-wire barbed wire fence	4.5 mi.
3-wire barbed wire fence	24.08 mi.
Cattleguards (3)	.07 ac.
Stockwater pipeline	25.5 mi.
Stocktanks (22)	.211 ac.
Crested wheatgrass seeding	38.5 ac.
Sheep fence	1.75 mi.
Temporary electric fence	1.0 mi.
Permanent electric fence	.5 mi.

2.3 Management Common to All Alternatives

The following guidance would continue regardless of which alternative is selected. All alternatives would be required to comply with applicable BLM laws, rules, regulations, and policy. Standards for healthy rangelands would be achieved.

2.3.1 Adaptive Management

Adaptive management would be used to alter the course of management if the proposed action is failing to achieve goals and objectives or if changing circumstances or direction dictate the need to make adjustments to management.

Adaptive management is a management approach that recognizes in advance that no amount of planning would be able to consider every possible combination of events, contingencies, or foresee the degree of impact from unplanned events or new management direction. The adaptive management approach recognizes the need for flexibility to cope with changes and provides mechanisms to allow corrective actions and adjustments to occur based on monitoring results. Achieving goals and

objectives outlined in this plan would be the catalyst for change.

Under adaptive management, various actions could be considered to address problematic livestock grazing issues, including but not limited to:

- increasing length of rest periods between grazing periods
- changing season of use
- altering livestock turnout location
- changing grazing intensity
- changing grazing duration
- improving livestock distribution

Improved livestock distribution could be achieved by constructing water developments and fences, selective salt and/or mineral placement, and changes to livestock turnout location and season of use. In some cases, exclosure fencing would be used to protect riparian areas. If stubble height or utilization levels indicate standards are not being met or progress is not being made toward meeting standards, more conservative limits may be implemented the following year (the 4 inch stubble height limit would be changed to a 6 inch limit, and the 6 inch stubble height limit on bluebunch wheatgrass would be changed to an 8 inch limit). If the initial stubble height or utilization limits are exceeded for two consecutive years, partial rest from grazing may be required (limited numbers or shortened grazing season) along with an adjustment to the stubble height limit (see Appendix G, Corrective Adjustments for Resource Protection). When upland or riparian stubble height limits are not met for three consecutive years, a health assessment would be completed. If standards for rangeland health are not met or fail to make significant progress because of livestock management practices, additional actions may be taken pursuant to BLM's grazing regulations.

Alternative options for allotments with complex management and sensitive resource issues have been preplanned and analyzed so that changes can be made

immediately if progress toward meeting standards is not occurring or allotments meeting standards begin to show a measurable downward trend. These actions are listed under individual allotment proposals in this chapter. All changes would be reviewed by an interdisciplinary team in consultation with the affected permittee and any parties expressing concern about specific resource conditions before a decision is made to alter a course of action.

If monitoring indicates that pastures/allotments are not meeting standards and are not making significant progress toward Proper Functioning Condition, corrective actions would be imposed as described in Appendix G. The Standards for Rangeland Health indicate soils should be stable and provide for capture, storage and safe release of water appropriate to soil type, climate and land form. The amount and distribution of ground cover for identified ecological sites or soil-plant associations should be appropriate for soil stability. Evidence of accelerated erosion in the form of rills and/or gullies, erosional pedestals, flow patterns, physical soil crusts/surface scaling and compaction layers below the soil surface should be minimal. Ecological processes including hydrological cycle, nutrient cycle and energy flow should be maintained and support healthy biological populations. Plants should be vigorous, biomass production should be near potential and there should be a diversity of species characteristic and appropriate to the site.

2.3.2 Wildland Fire Management

Fire suppression would be in accordance with the Fire/Fuels Management Plan Environmental Assessment/Plan Amendment for Montana and the Dakotas (July 2003) and the Central Montana Fire Zone, Lewistown Field Office (LFO), Fire Management Plan (September 2004).

This planning area is in the LFO Breaks Fire Management Unit (FMU). A majority of this FMU has been designated as Management Category C in the Fire/Fuels Management Plan Environmental Assessment/Plan Amendment for Montana and the Dakotas (July 2003). The C designation identifies areas where fire is a desired ecosystem management tool. Fire could be a positive influence in much of this area and restoration of natural fire regimes would be encouraged where practical. However, each fire occurrence would have special consideration. Obvious concerns focus around structural developments, croplands, livestock and livestock forage needs. Social and political considerations would dictate management of each fire occurrence. Appropriate fire suppression based on current fire danger, resource availability and predicted weather would be used to ensure safety of fire suppression personnel, reduce cost of fire suppression and provide an opportunity to return fire to its natural place in the ecology of the area.

2.3.3 Black-Tailed Prairie Dogs

The JVP RMP directs that the BLM will maintain or manage prairie dog towns on public lands based on the values or problems encountered. Prairie dog towns would not be actively managed within the watershed with the exception of the town in the West Winnett Allotment 15023. This town is adjacent to the Petroleum County municipal airport and would be managed in accordance with the airport board's concerns. Prairie dog towns are indicated on Map M5.

2.3.4 Sage Grouse

The JVP RMP directs that the BLM will improve the quality and quantity of nesting, brood rearing and winter habitat for upland game birds. BLM will provide residual grass and forb cover for upland bird and waterfowl nesting. BLM will manage for a variety of

palatable forbs and maintain big and silver sagebrush on sage grouse wintering and nesting areas. Grazing management plans will implement some form of grazing method (i.e., rest rotation, deferred rotation, seasonal or other methods). Livestock grazing management methods will be implemented prior to land treatments.

A majority of the planning area is considered sage grouse habitat with the exception of forested areas and some small areas of grasslands devoid of sagebrush. Allotments not meeting the upland health standard would require some degree of change in grazing management. Rest rotation grazing is preferred to provide adequate herbaceous cover for grouse nesting on at least one pasture of allotments requiring change. Deferred rotation provides seasonal rest for upland vegetation but does not always provide adequate herbaceous sage grouse cover. Timely moisture events and subsequent late summer/fall regrowth are critical for deferred rotation success in sage grouse habitat. Regardless of the grazing management prescription, it is essential that each allotment provide some area of adequate nesting cover each spring. Petrolia Watershed allotments not meeting standards would be monitored more closely than others, but all sage grouse habitat would continue to be evaluated periodically.

2.3.5 Fish Habitat Implementation

The JVP RMP Record of Decision (1994) states the following on page 11 and 17, respectively:

(1) "As reservoirs are planned during the development of AMPs or habitat management plans (HMP), fisheries potential will be a key consideration in location and design. New fisheries reservoirs will normally be fenced and a livestock watering tank provided below the reservoir. Existing fishing reservoirs will be fenced to exclude livestock, if necessary, to

improve emergent vegetation, shade and/or improve the recreation experience."

(2) "Other reservoirs may be identified as fisheries reservoirs with priority consideration given to reservoirs near population centers and major access routes. The BLM will attempt to develop self-sustaining game fish populations while recognizing that some reservoirs will be maintained as put-and-take fisheries. The BLM will also improve existing habitat by modifying existing high potential reservoirs, considering fisheries potential during the design phase of new reservoirs, and attempting to locate reservoirs in a cluster with a variety of self-sustaining game fish."

South Fork Dry Blood and Payola reservoirs were identified in a cooperative fish management plan between the BLM and MT FWP to be stocked with catchable-sized fish.

South Fork Dry Blood Reservoir is located within the Skibby Place Allotment 15059. Proposed improvements are discussed below.

Payola Reservoir is located within the Box Elder Allotment 02529 and is currently accessed through private land owned by the Hale Ranch in the Hale Ranch Allotment 15069. Proposed improvements are discussed below.

Habitat improvements to fishing reservoirs in the watershed include:

South Fork Dry Blood Reservoir:

- Install a 4-wire barbed wire fence (smooth bottom wire) around the reservoir to improve emergent vegetation, shade and/or the recreation experience. (see Skibby Place discussion in sec. 2.2.1).
- Install an aerator windmill to help prevent winter kill.
- Plant native shrubs within the exclosure. Plant in clumps and surround plantings with two-four hog panels supported by steel fence posts.
- Install necessary signs for the public.
- Enhance spawning substrate and fish cover in the reservoir by sinking Christmas trees, root wads, logs, boulders, etc.

Payola Reservoir:

- Install an aerator windmill site to help prevent winter kill.
- Plant native shrubs in clumps and surround with two-four hog panels supported by steel fence posts.
- Develop an alternate access route through BLM to eliminate private land access and resource issues. 1.0 mile of current 2-track trail would be upgraded and .65 miles of new road would be constructed. Signs would be installed as necessary.
- Enhance spawning substrate and fish cover in the reservoir by sinking Christmas trees, root wads, logs, boulders, etc.