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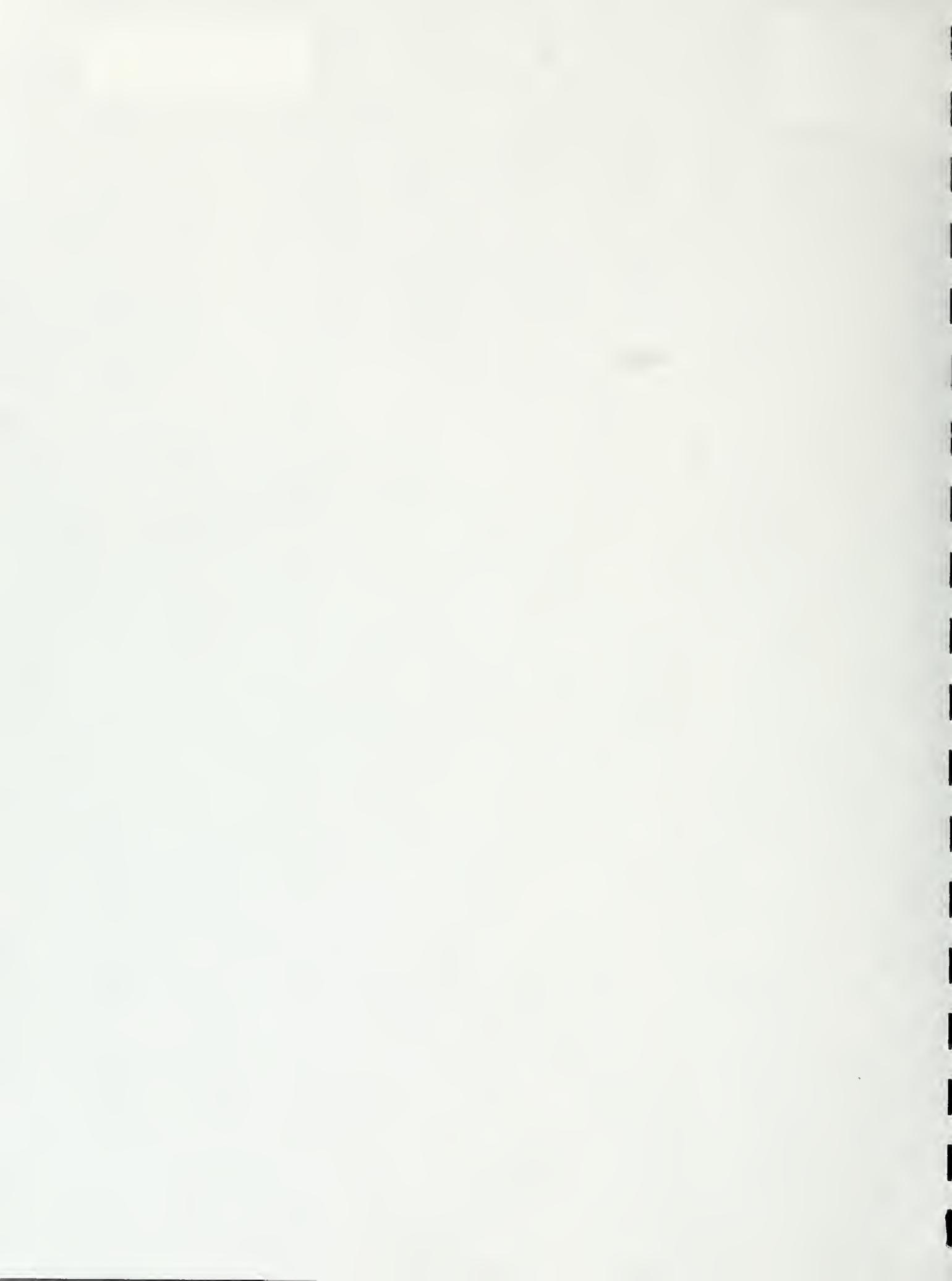
ENVIRONMENTAL ASSESSMENT
FOR SEPTEMBER 5, 2001
STATE OF MONTANA OIL AND GAS LEASE SALE

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MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
Trust Land Management Division
Minerals Management Bureau
Helena, MT



DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION



TRUST LAND MANAGEMENT DIVISION

JUDY H. MARTZ, GOVERNOR

1625 ELEVENTH AVENUE

STATE OF MONTANA

DIRECTOR'S OFFICE (406) 444-2074
TELEFAX NUMBER (406) 444-2684

PO BOX 201601
HELENA, MONTANA 59620-1601

August 1, 2001

To Whom it may concern:

I have reviewed the attached Environmental Assessment for the September 5, 2001 lease sale. The stipulations, as listed in Appendix A, sufficiently mitigate environmental concerns with leasing the proposed tracts. There is no need for an EIS for this lease sale.

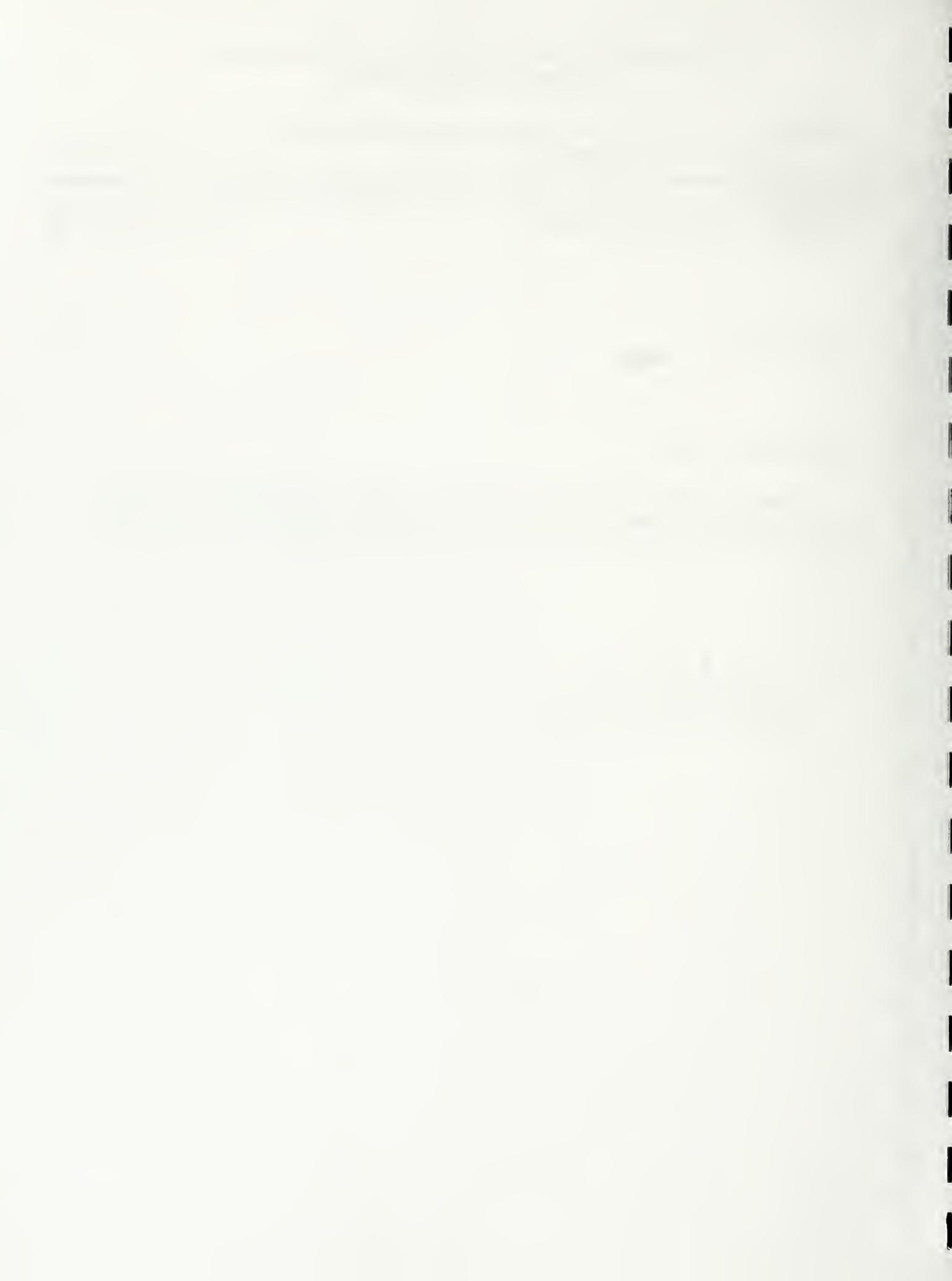


Monte G. Mason

Monte G. Mason, Acting Administrator
Trust Land Management Division

8/1/01

Date



DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION



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ENVIRONMENTAL ASSESSMENT

ON THE

SEPTEMBER 5, 2001

OIL AND GAS LEASE SALE

Montana Department of Natural Resources and Conservation
Trust Land Management Division

I. Introduction

The State of Montana owns over six million acres of oil and gas rights that are scattered across the state. The lands that these mineral rights lie under are varied, consisting of timber, grazing, and agricultural land. The state also owns mineral rights below navigable lakes and streams in Montana. Each land type will be impacted differently by oil and gas related activity.

This document contains the environmental review of lands nominated for oil and gas leasing for the September 5, 2001 lease sale. Alternatives reviewed in this document are 1) No Action - deny the oil and gas lease; and 2) Approve the oil and gas lease with appropriate stipulations.

II. Purpose and Need for the Action

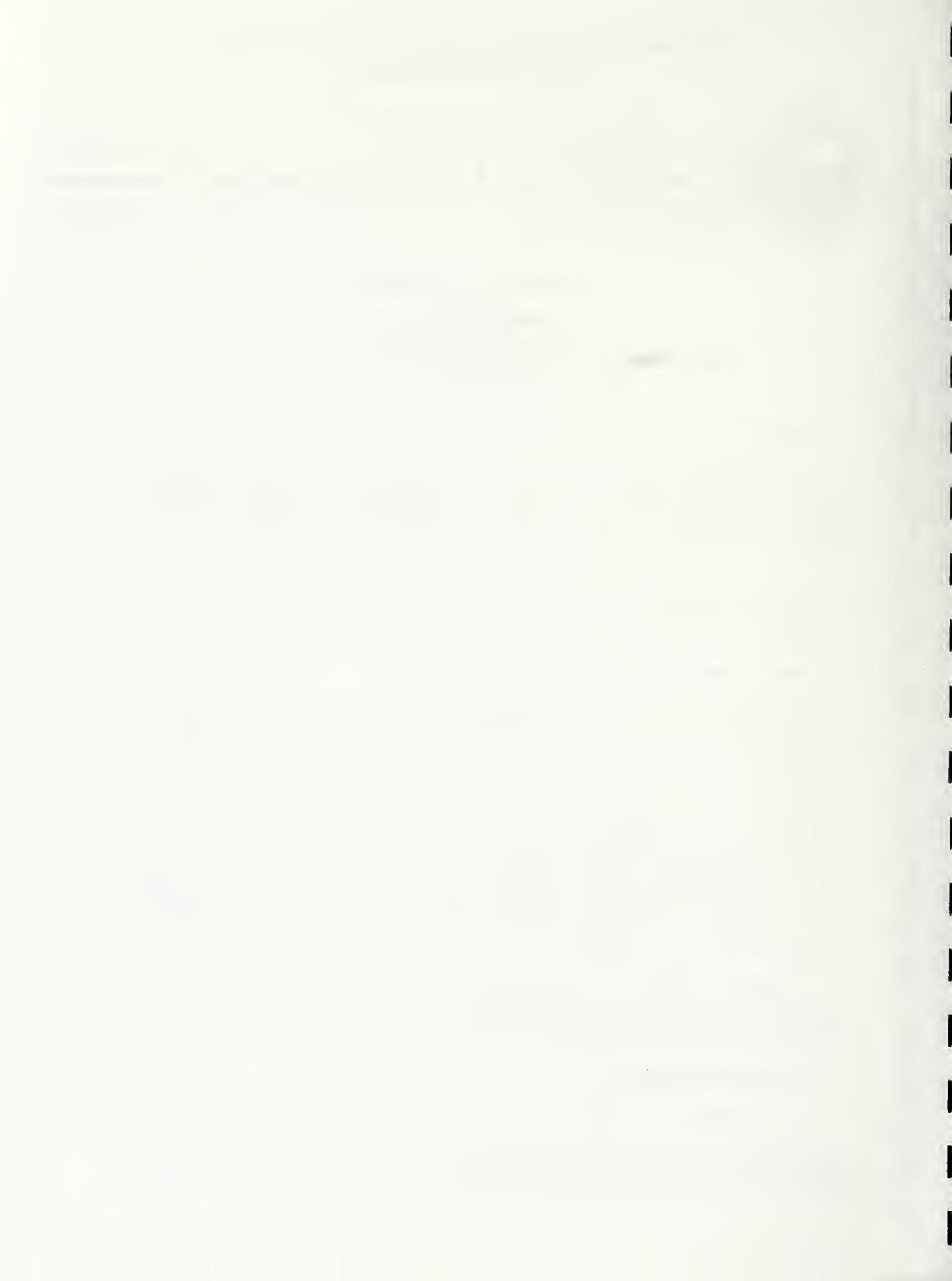
The Montana Department of Natural Resources and Conservation (DNRC) - Trust Land Management Division (TLMD) has received nominations for 103 tracts of land totaling 48,457.63 acres for the purpose of oil and gas exploration and development. However, since Liberty County application numbers 5047 and 5048 are in the same section, these tracts were combined into application number 5047. Acreage adjustments were made on several tracts that are subject to statute 70-16-201, MCA based on information shown on available U.S. Geological Survey topographic maps and General Land Office survey plats currently in the department's archives. In addition, the description and acreage of application numbers 5049 and 5056 in Liberty County were revised due to a domestic gas well on a portion of each tract. Therefore, the total number of tracts in this Environmental Assessment is 102 and the acreage for these tracts totals 48,770.52 acres. A listing of these tracts and their locations are found in Appendix A.

Prior to leasing the nominated tracts, the TLMD must review each tract for potential impacts on the human and natural environment from oil and gas operations. By leasing lands for oil and gas exploration, the trusts administered by TLMD benefit from rental and potential royalty income.

III. Agency Responsibilities

A. Department of Natural Resources and Conservation

The Department of Natural Resources and Conservation (DNRC) - Trust Land Management Division (TLMD) is authorized to lease state-owned oil and gas for exploration and development (MCA 77-3-401, et seq.). Oil and gas lease sales



occur quarterly, as required by ARM 26.3.206(1). Under the Montana Environmental Policy Act (MCA 75-1-201, et seq.), the TLMD must review leasing of nominated tracts for potential impacts on the human and natural environment prior to leasing unless a clause for denial of activity is added to the lease.

The TLMD must decide whether to lease the nominated tracts with appropriate stipulations or deny leasing.

B. Board of Oil and Gas Conservation

The Board of Oil and Gas Conservation (BOGC) is responsible for requiring "measures to be taken to prevent contamination of or damage to surrounding land or underground strata caused by drilling operations and production..." (MCA 82-11-111(2)(a)). The BOGC issues permits for oil and gas drilling operations (MCA 82-11-122), and also oversees proper plugging and abandonment of seismic shot-holes and oil and gas wells (MCA 82-11-123(4)). All permitting by the BOGC is subject to an environmental review under the Montana Environmental Policy Act (MCA 75-1-201, et seq.). A programmatic EIS on oil and gas activity was completed by the BOGC in 1989 (BOGC, 1989) and is incorporated in this EA by reference. TLMD adopts the conclusions and information contained in that EIS.

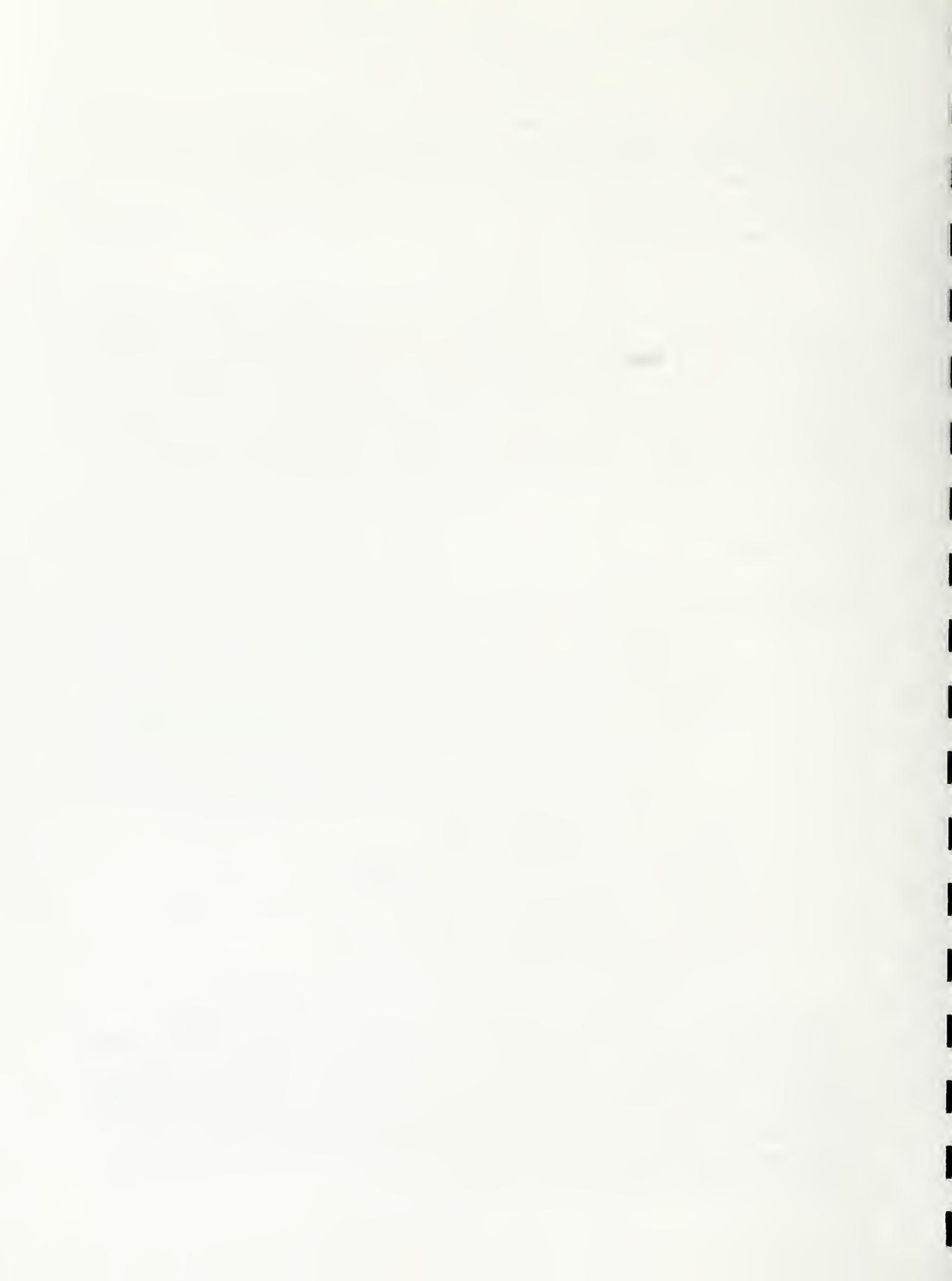
The BOGC is not involved in leasing decisions taken by the TLMD.

IV. Procedure

Notification of the tracts nominated for lease was submitted to the following agencies and individuals for review and comments:

Montana Department of Natural Resources and Conservation - Trust Land
Management Division Area Office Managers
Montana Department of Natural Resources and Conservation - TLMD
Archeologist and Hydrologist/geologist
Montana Department of Natural Resources and Conservation - TLMD
Minerals Management Bureau Chief, Forest Management Bureau
Chief, and Land Management Section Supervisor - Agricultural
and Grazing Bureau
Montana Department of Fish, Wildlife and Parks Regional Offices and
Field Biologists at applicable Area Resource Offices
Montana Natural Heritage Program
Custer National Forest Supervisor
USDI Bureau of Reclamation, Tiber Reservoir
Blackfeet Reservation Cultural Program
Crow Tribal Council
Bureau of Indian Affairs, Billings
Bureau of Indian Affairs, Blackfeet Agency
Oil and Gas Lease Sale Mailing List
Department Website
(<http://www.dnrc.state.mt.us/trust/tlmdhome.htm>)

Comments received from these agencies and individuals are reviewed and stipulations are developed for each tract nominated for leasing. Agency comments are located in Appendix C. Appendix D is used for public comments. The department received one public comment as of the July 27, 2001 public comment deadline. The department has not received any late public comments as of July 30, 2001. If any late comments regarding the September 5, 2001 sale are received in the future, they will be included in Appendix E in the EA file. The department received several agency comments after the July 25, 2001 deadline. These are included in Appendix E in the EA.



Issues reviewed for this process include:

- The presence of sensitive plant and animal communities.
- The presence of historical or cultural sites.
- Potential impacts of oil and gas related activities on soils, hydrology, wildlife, vegetation, and human resources.
- Potential for "No Surface Occupancy" restrictions.
- Potential conflicts with current land use (such as Federal Farm Programs including CRP).
- Other potential resources for the tract.

Field evaluations from past inspections, information from DNRC-TLMD field office files, and, if necessary, additional on-site evaluations are used by the TLMD field staff in assessing potential impacts from oil and gas leasing and subsequent development. Information contained in the programmatic EIS produced by the BOGC (BOGC, 1989) is also utilized in determining the potential impacts of future oil and gas development for the nominated tracts. Stipulations are then attached to the lease to provide resource protection during future lease operations. These stipulations range from strict, no surface occupancy restrictions to requirements for operating plan approval (with the potential of future denial) to buffer and avoidance stipulations, and surface damage settlement issues. A list of example stipulations is located in Appendix B. Four of these stipulations, A-2, B, C, and D, are placed on all leases and are denoted in Appendix B with an asterisk. Operating plan review is required on all leases either through the use of stipulation A-1 or the sensitive areas stipulations F-1, F-2, or F-3 (see Appendix B).

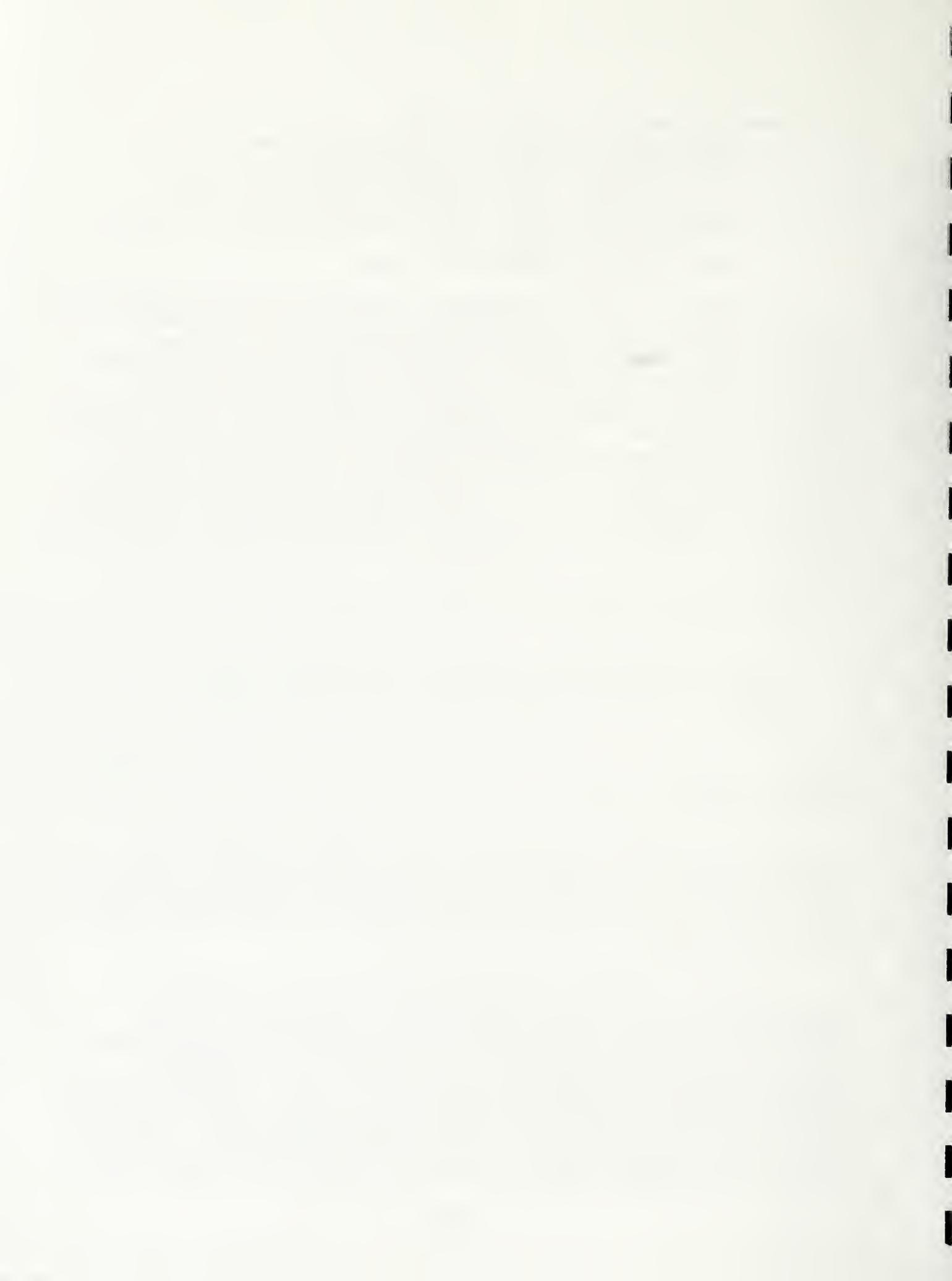
The Montana State Board of Land Commissioners adopted the following resolution at their June 18, 2001 meeting:

"The approval of the June 5, 2001 oil and gas lease sales in no way commits the land board to approval of coal bed methane production on these or any other outstanding leases. Any coal bed methane extraction wells would require subsequent review and approval by the board."

Since it is unknown at the time of leasing the type of targets that are being sought, stipulation A-2 has been modified to include Land Board review of any coal bed methane activities.

For all nominated tracts, additional environmental assessments will be completed with the receipt of an operating plan by both TLMD and the BOGC. Potential problems are mitigated at that time through modifications in the plan. TLMD can not deny drilling of a well unless stipulated at the time of the lease, but stipulations can be added to the operating plan to mitigate impacts. The BOGC, however, may deny a drilling permit or include additional stipulations in the drilling permit.

For tracts nominated in potentially sensitive areas, three special stipulations have been developed (Appendix B, stipulations F-1, F-2, and F-3). These stipulations create a tiered environmental review process with the potential for future denial of activities. An impact analysis is not required prior to leasing a tract with a sensitive area stipulation. (North Fork Preservation Assoc. v. Dept. of State Lands, 238 Mont. 451, 778, P.2d 862 (1989); Conner v. Burford, 836 F.2d 1521 at 1528 (9th Cir., 1988)). When activity is proposed on a lease, the operating plan receives an environmental review. This review consists of an evaluation of impacts of the proposed action. Additional stipulations and mitigating measures may be required prior to the activity, or activity may be denied. Depending on the location and potential impacts from the



specific activity proposed, this environmental review could consist of a basic Environmental Assessment up to a full Environmental Impact Statement. Additional environmental assessments may be necessary with further development of the lease. Environmental assessments are completed as necessary throughout the term of the lease.

The Trust Land Management Division of DNRC developed the sensitive areas stipulation (F-1, Appendix B) for areas that contain some elements that are environmentally sensitive, but are not location dependant. However, this stipulation has also been utilized where state mineral estate is in or immediately adjacent to cities, parks, wildlife refuges, Indian reservations, or Forest Service land, etc. in compliance with State Land Board direction.

The State Land Board developed stipulation F-2 to address the level of interest and concern expressed over leasing and possible development of state lands located in western Teton and northwestern Lewis and Clark Counties (i.e. the lower elevation eastern slopes of the Rocky Mountain Front, generally west of Choteau and Augusta). Stipulation F-2 outlines Land Board review and approval and delineates the review process.

Stipulation F-3 (Appendix B) has been developed to address the level of interest and concern expressed for school trust land within or adjacent to the Sleeping Giant and Sheep Creek Wilderness Study Area, the Beartooth State Wildlife Management Area, and/or the Gates of the Mountains Wilderness. These areas fall outside the Rocky Mountain Front description noted above. The F-3 sensitive area stipulation is similar to F-2 in that it specifically outlines Land Board review and approval and delineates the review process. As a part of this review "No surface activities shall occur on the lease premises unless and until the Operating Plan or Amendment is approved by the Board." After completion of the review, the Land Board may approve, modify, or deny surface activity on the lease.

V. Public Notification

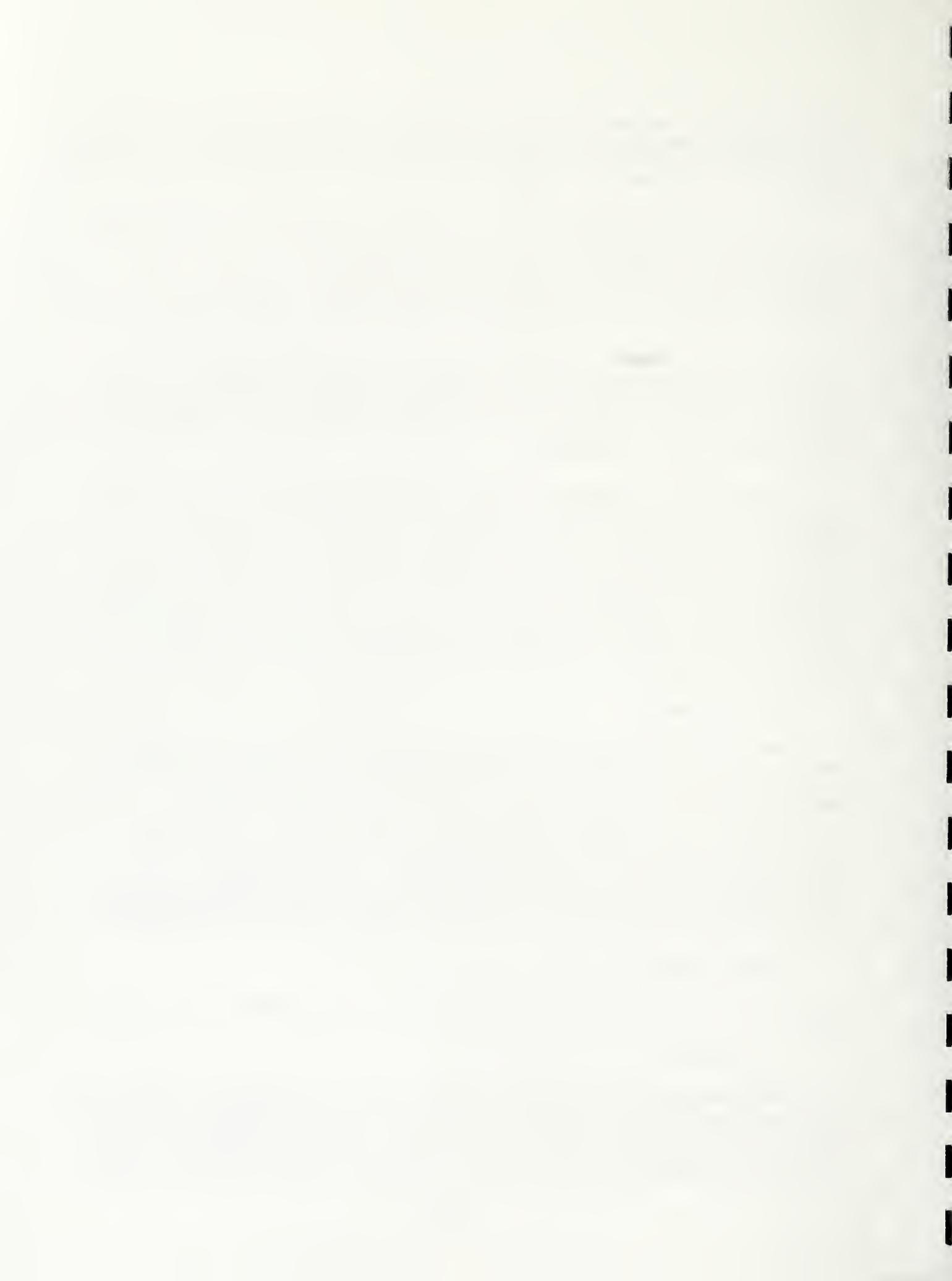
Public notice of nominated tracts and request for comments is made two months prior to the lease sale in the Rocky Mountain Oil Journal, Billings Gazette, Great Falls Tribune, and Helena Independent Record. The tract list is sent to everyone on the Department's mailing list of approximately 800 individuals, organizations, and companies. Anyone can be added to the mailing list by contacting the Department. Lease sale lists, dates, and important deadlines are also available on the Department's Internet web site (<http://www.dnrc.state.mt.us/trust/tlmdhome.htm>). After completion of the Oil and Gas Lease Sale EA, the list of nominated tracts and attached stipulations is published in the Rocky Mountain Oil Journal, made available on the Department's Internet web site, and mailed to everyone on the Department's mailing list.

VI. Resource Analysis

The following issues were analyzed for potential impact on state owned land:

A. Wildlife:

Potential impacts on wildlife for each tract are analyzed by the Department of Natural Resources and Conservation (DNRC) - Trust Land Management Division (TLMD) field office staff with additional input from the MT Department of Fish, Wildlife and Parks (DFWP) regional office staff. Letters requesting information on potential impacts from oil and gas activities are sent to each DFWP regional



office by electronic mail or postal mail. Information provided by the MT Natural Heritage Program (MNHP) is also reviewed. Based on comments and information provided, stipulations are applied to protect wildlife resources. If no site-specific response is received from DFWP or TLMD field offices, and the MNHP search turns up no element occurrence data, then no additional stipulations are added to the tract. However, the standard operating plan review stipulation (number 1 in the application list in Appendix A) still allows coverage of wildlife concerns that may arise in any subsequent site-specific review.

For the September 5, 2001 MT Oil and Gas Lease Sale, several stipulations have been applied to various tracts due to wildlife concerns. The sensitive areas stipulation (number 18 in the application list in Appendix A, F-1 in Appendix B) utilized on application number 5044 in Carter County covers wildlife concerns including the proximity of a Great Blue Heron rookery. The 100-ft stream, etc. buffer stipulation (number 7, Appendix A) covers concerns on application number 5021 in Blaine County for burrowing owls. The 1/8th-mile river buffer stipulation (number 14, Appendix A) applied to application numbers 5075 and 5077 in Hill County, and 5046-5047, 5049, 5063-5067, and 5073 in Liberty County addresses concerns for blue suckers in the Marias River.

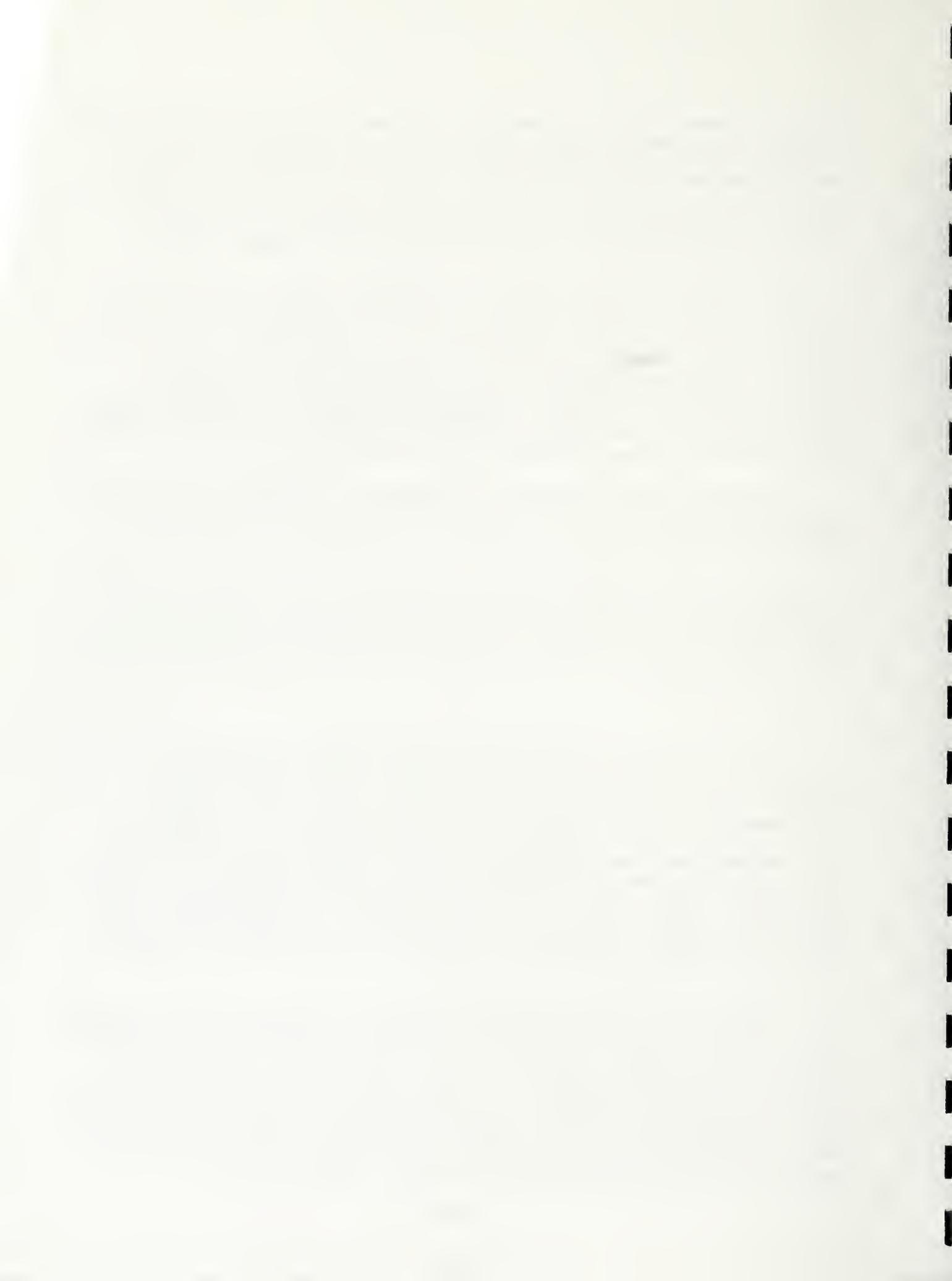
The wildlife survey stipulation (see number 11 in Appendix A) is utilized on application number 5021 in Blaine County for swift fox. In Carter County (application numbers 5086, 5006 and 5089) the wildlife survey stipulation is applied for ferruginous hawks.

The TLMD contact MT-DFWP regarding wildlife concerns stipulation (number 12, Appendix A) is also utilized on various tracts. In Carter County it is applied to application numbers 5089-5092 for dwarf shrews, on number 5086 for prairie dogs, and on number 5085 for antelope, mule deer, and whitetail deer. In Powder River County, this contact stipulation is utilized on application number 5101 for prairie dogs.

B. Water Quality:

Potential impacts on surface water resources are analyzed by the TLMD field office staff and the TLMD hydrologist/geologist. Notation is made on locations of perennial and intermittent streams, lakes, ponds, wetlands, springs, wells, ditches, canals, prairie potholes, etc. within a nominated tract. If set-backs from water resources are required, a stipulation is applied to protect these resources. Ground water resource protection is required by the BOGC, and BOGC permitting is contingent on adequate protection. For this lease sale the 100-ft stream, wetland, reservoir, etc. buffer stipulation is utilized for various scenarios on 88 tracts (see stipulation 7 in application list in Appendix A). Streams, ponds, wetlands, reservoirs, etc. on application numbers 5044 in Carter County, 5103 in Powder River County, and 5038-5039 in Big Horn County are covered by utilization of the sensitive areas stipulation (number 18, Appendix A) on these tracts.

Other stipulations are applied to larger water bodies. For this sale, the river, lake/reservoir (1/8-mile) buffer stipulation (see stipulation 14, Appendix A) is utilized on application numbers 5075 and 5077 in Hill County and numbers 5046-5047, 5049, 5063-5067 and 5073 in Liberty County due to reaches of the Marias River cutting these tracts. It is also added to application number 5092 in Carter County where reaches of the Little Missouri River are within the tract. This river, lake/reservoir buffer stipulation is applied to two tracts in Toole County. Application number 5094 receives this buffer stipulation due to part of the Tiber Reservoir present on the tract. Application number 5098 receives it due to the Dry Fork of the Marias River cutting through the tract.



C. Soils and Topography:

TLMD field office personnel review soil surveys conducted by the USDA-NRCS along with field notes from previous inspections to determine the potential for impacts to fragile soils. If protection of fragile soils is needed, a stipulation is implemented to protect the resource. The TLMD field office personnel and the TLMD geologist/hydrologist also review topographic maps to obtain an indication of the topography. For the September 5, 2001 MT Oil and Gas Lease Sale, rough/steep topography or fragile, unstable soils have resulted in stipulation 10 (see Appendix A) being applied to 35 various tracts. Soils and other surface concerns that may arise during a site-specific review are also handled through the standard operating plan review stipulation (see number 1, Appendix A). Steep topography and/or unstable soils on application numbers 5044 in Carter County, 5103 in Powder River County and 5038-5039 in Big Horn County are covered by utilization of the sensitive areas stipulation (number 18, Appendix A) on these tracts.

D. Vegetation

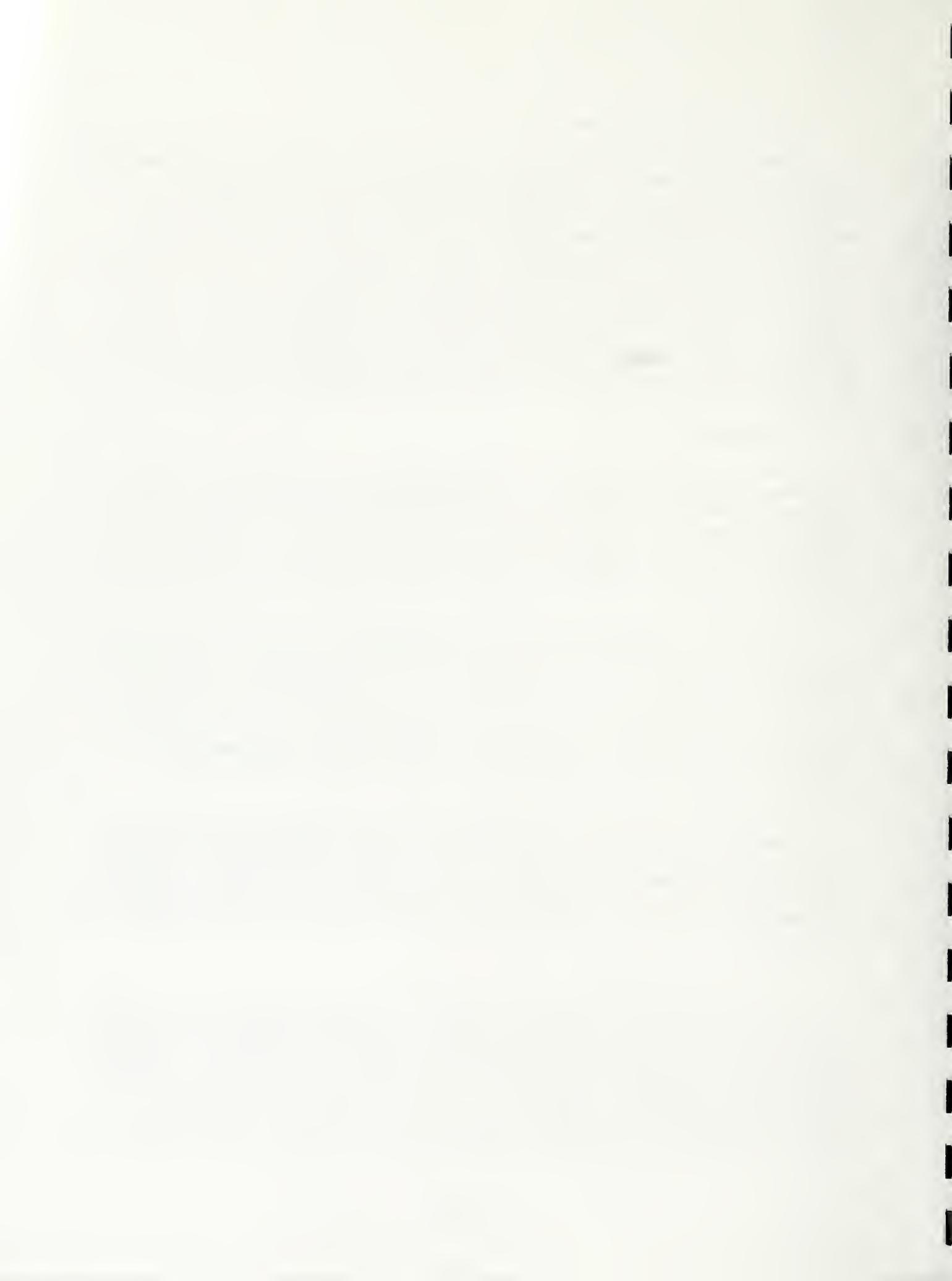
TLMD field office personnel review records in the office for potential impacts on vegetation in an area. Information provided by the Montana Natural Heritage Program is also reviewed by the TLMD geologist/hydrologist. If rare plants or potential for significant impacts exist on a tract, stipulations are implemented to protect these resources. In Carter County, the vegetation survey stipulation (number 13, Appendix A) will be applied to application numbers 5001 and 5081 for Raceme milkvetch, to 5090 for blue toadflax, and to 5092 for wild lily-of-the-valley.

In addition, some tracts contain wooded areas that occur outside the zone covered by the riparian buffer stipulation (number 7, Appendix A). In order to minimize disturbance to this vegetation, the avoid wooded areas stipulation (see stipulation 9, Appendix A) is utilized on 21 various tracts for the September 5, 2001 MT Oil and Gas Lease Sale. On application number 5090 in Carter County, this avoid wooded areas stipulation covers concerns for bur oaks on the tract. Application of the sensitive areas stipulation (number 18, Appendix A) on application number 5044 in Carter County and 5103 in Powder River County addresses wooded areas on these tracts.

Since weeds are a concern throughout Montana, a stipulation is added to each lease (see stipulation 4 in Appendix A). This stipulation holds the lessee responsible for controlling noxious weeds introduced by the lessee's activity on the tract and preventing their spread. Where weeds are especially a problem, a special stipulation (see stipulation W in Appendix B) is utilized in addition to stipulation 4. No tracts on the September 5, 2001 sale required this special weed stipulation.

E. Land use conflicts:

Nominated tracts are reviewed by TLMD field office personnel for current land use, and potential conflicts are noted. Each lease contains a clause that indicates the oil and gas lessee agrees to be responsible for payment of actual surface damages arising from oil and gas exploration or development. A special stipulation is added to the lease for land involved in the Conservation Reserve Program (CRP) (Appendix A, stipulation 8). This stipulation is applied to application numbers 5036 in Big Horn County, 5028, 5030-5031, and 5033 in Hill County, 5079 and 5099 in Pondera County, and 5080 and 5008 in Toole County. The



lease terms also prohibit drilling within 200 feet of a residence or barn. Usually, oil and gas activity only impacts a small portion of any lease, and conflicts with current land use are rare.

Special stipulations are also utilized for information, for avoidance, or other needed mitigation as warranted. For the September 5, 2001 MT Oil and Gas Lease sale, several stipulations address concerns for existing uses. The no-surface occupancy of cemetery sites stipulation (number 15, Appendix A) is utilized on an application number 5037 in Big Horn County due to this features presence on the tract. Another "no-surface-occupancy" stipulation (number 19, Appendix A) is utilized for a highway tract (application number 5100) in Roosevelt County. In addition, the informational stipulation on a prior, existing bentonite lease is utilized on application numbers 5090 and 5092 in Carter County.

Furthermore, areas where the state does not own the surface receive the stipulation requiring contact of the surface owner. These tracts occur in varied locations and are also designated in the application list by text and an asterisk (see Appendix A, stipulation 6). This contact stipulation is applied to 29 tracts on the September 5, 2001 MT Oil and Gas Lease Sale.

F. Historical and Cultural Resources:

Each nominated tract is reviewed by the TLMD archeologist for the presence of known historical or cultural sites and for the potential of discovery of a new historical or cultural site. Where applicable, TLMD field office staff and the TLMD geologist/hydrologist are consulted regarding paleontological resources on the tracts. A stipulation is added to each lease that protects archaeological, historic, and paleontological sites, and surface activities may be restricted if a significant site is discovered during the lease term (see Appendix A, stipulation 3).

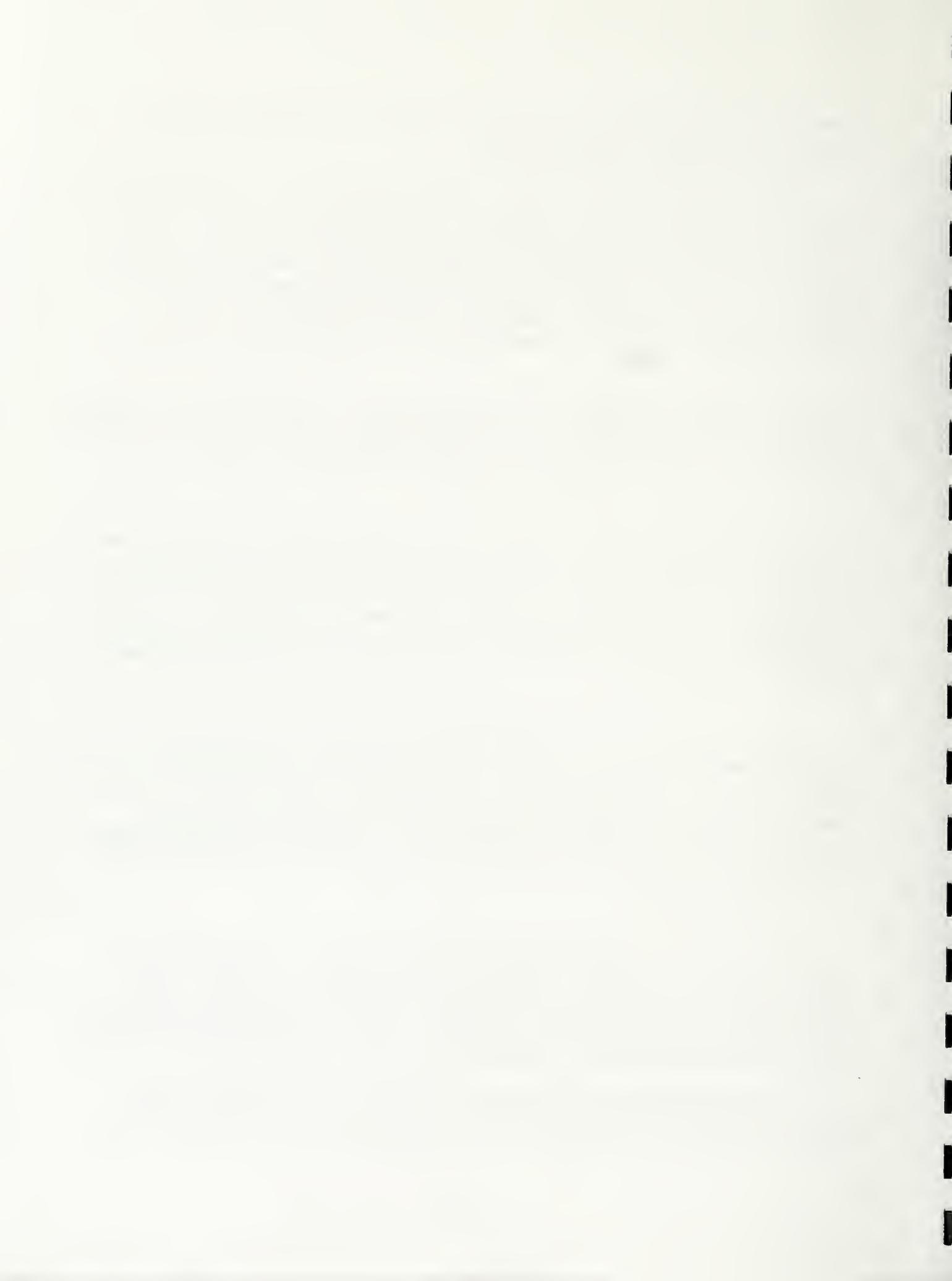
G. Existing facilities/Geologic potential

Each nominated tract is reviewed by the TLMD geologist/hydrologist and Minerals Management Bureau Chief for production potential, production or drilling history, and existing facilities. If concerns exist, stipulations are added to the lease. Example stipulations for these circumstances are located in Appendix B, stipulations K-M. For the September 5, 2001 sale, the existing facilities stipulation (number 16, Appendix A) is applied to application numbers 5093 in Glacier County, 5022-5023 in Liberty County, 5027 in Stillwater County, and 5040 in Toole County.

H. Sensitive Areas

The reasons for sensitive area concerns are varied. They can stem from location of the area or result from concerns regarding one or more of the resource areas mentioned above. For tracts nominated in potentially sensitive areas, three special stipulations have been developed that create a tiered environmental review process with the potential for future denial of activities (Appendix B, stipulations F-1, F-2, and F-3). Tracts on the September 5, 2001 MT oil and gas lease sale did not require application of either F-2 or F-3.

In accordance with previous Land Board direction, the sensitive areas stipulation (number 18 in Appendix A, F-1 in Appendix B) is utilized on application numbers 5038-5039 in Bighorn County since they are within the Crow



Reservation. This sensitive areas stipulation is also utilized on application number 5044 in Carter County and number 5103 in Powder River County since these tracts are adjacent to Custer National Forest (see number 18 in Appendix A).

VII. Impact Analysis

A. No Action Alternative - Deny the oil and gas lease.

If a lease is denied, the only resource that would be negatively impacted is the loss of revenue from rental and royalty payments to the appropriate trust. All other resources would not be affected.

B. Leasing Alternative

Comments received on potential impacts for these tracts are located in Appendices C, D, and E. MT-DNRC submitted the proposed tract list for agency comments on **June 28-29, 2001** and requested comments by **July 25, 2001** for consideration in formulating the stipulations. Agency comments are included in Appendix C. The tract list was made available to the public in early early July 2001 for interested party comments. These comments must have been received by **July 27, 2001** for consideration in formulating the stipulations. The department received one public comment from a surface lessee which is included in Appendix D. Late comments are included in Appendix E. Tracts nominated for oil and gas leasing and proposed stipulations are listed in Appendix A.

VIII. Need for an Environmental Impact Statement

The DNRC-TLMD is required to evaluate each action to a "level of detail appropriate to the following considerations: ...the complexity of the proposed action, ...the environmental sensitivity of the area affected, ...the degree of uncertainty that the proposed action will have a significant impact on the quality of the human environment, ...and...the need for and complexity of mitigation required to avoid the presence of significant impacts" (ARM 26.2.645 (2)).

Since environmentally sensitive tracts are stipulated for future environmental review with the submittance of an operating plan, all other tracts nominated are located in areas where potential impacts are minor or can be mitigated upon receipt and review of an operating plan, and the BOGC must approve an operating plan within MEPA prior to drilling activity, an Environmental Impact Statement is not required for the leasing action.

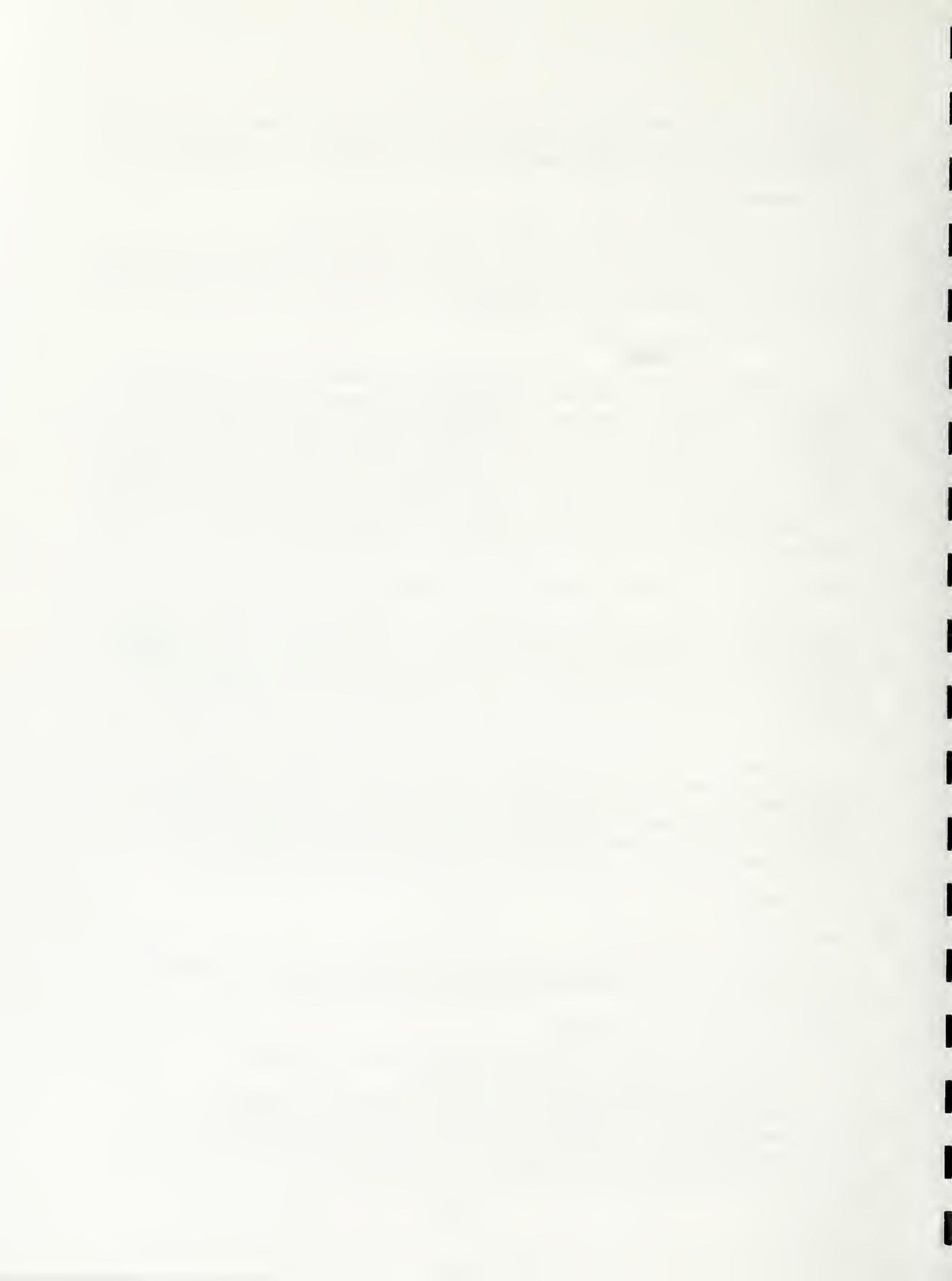
IX. Preparers

Compilation and preparation:

Teresa Kinley, Geologist/Hydrologist, Department of Natural Resources and Conservation (DNRC) - Trust Land Management Division (TLMD)

Agencies and persons consulted:

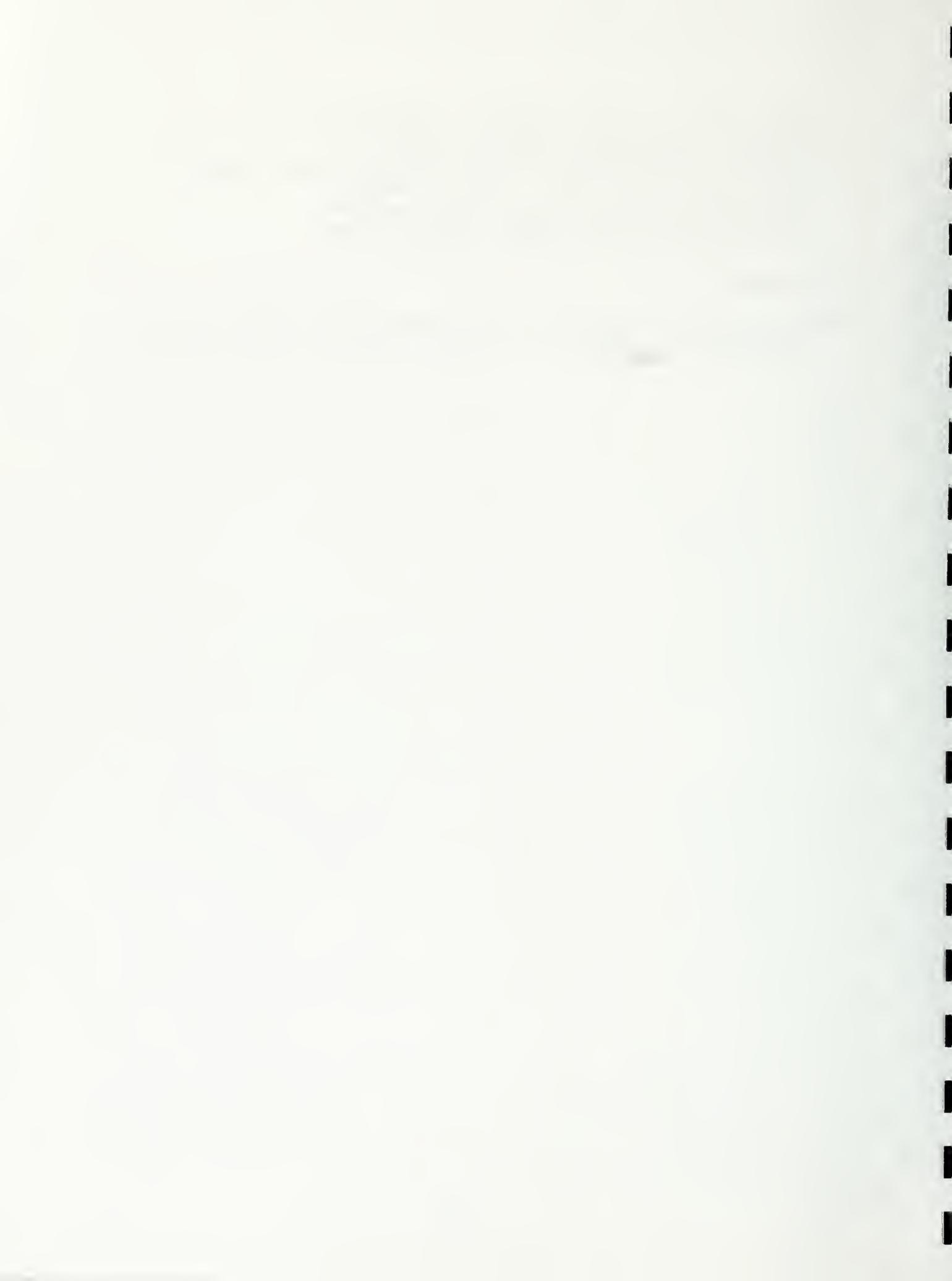
Monte Mason, Minerals Management Bureau Chief, DNRC-TLMD
Patrick Rennie, Archeologist, DNRC-TLMD
Craig Roberts, Area Manager, Northeast Land Office, DNRC-TLMD
Mark Ahner, Area Manager, Central Land Office, DNRC-TLMD
Dwayne Andrews, Area Manager, Eastern Land Office, DNRC-TLMD
Gary Brandenburg, Acting Area Manager, Southern Land Office, DNRC-TLMD
Mike Aderhold, Regional Supervisor, DFWP Region 4

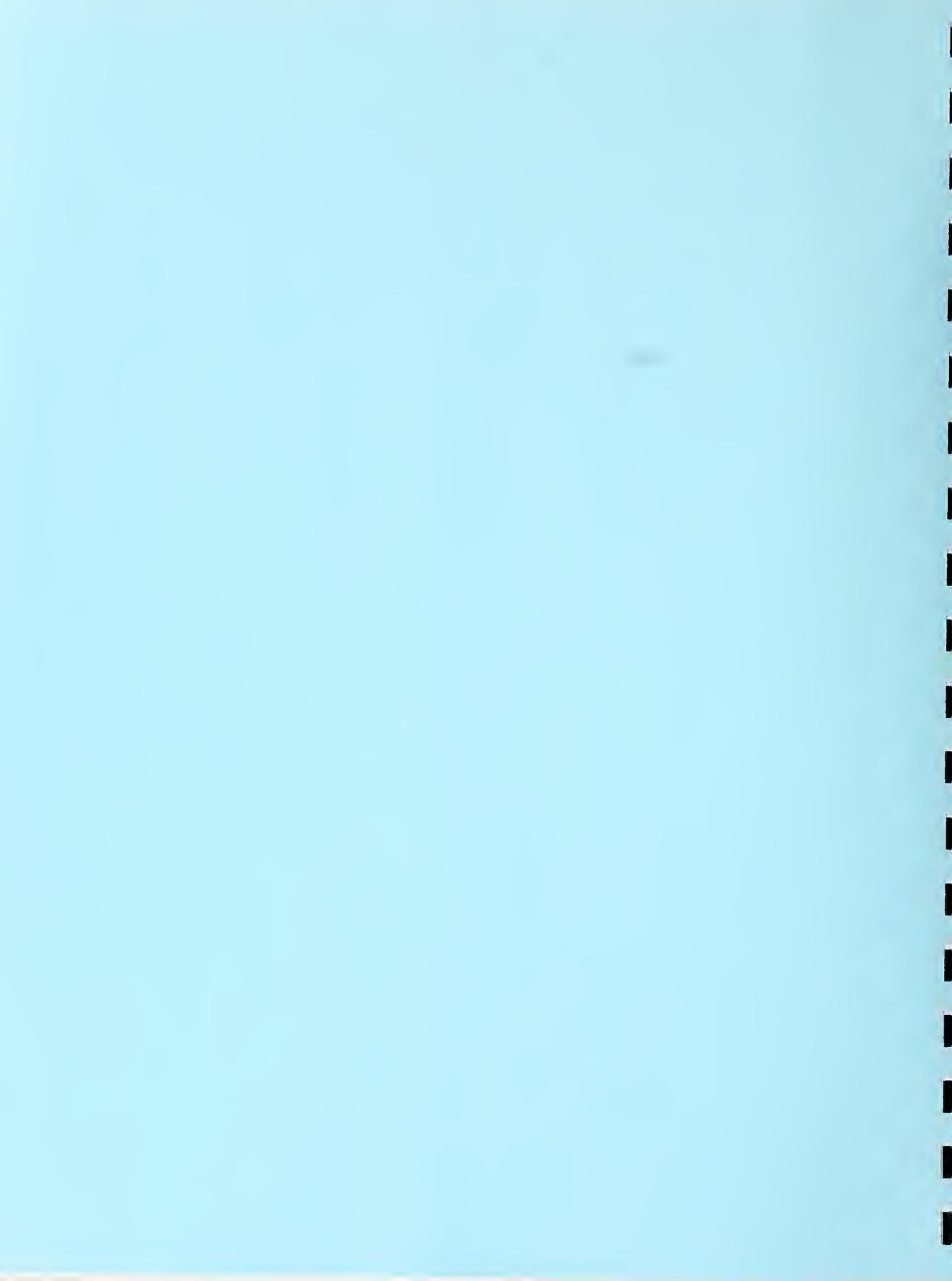


Harvey Nyberg, Regional Supervisor, DFWP Region 5
Jim Satterfield, Regional Supervisor, DFWP Region 6
Don Hyppa, Regional Supervisor, DFWP Region 7
Paul Sihler, Montana Dept. Of Fish, Wildlife and Parks, Helena
Whitney Weber, Montana Natural Heritage Program
Nancy Curriden, Custer National Forest Supervisor
Rick Stefanic, Bureau of Indian Affairs, Billings
Sue Stiles, Bureau of Reclamation, Billings

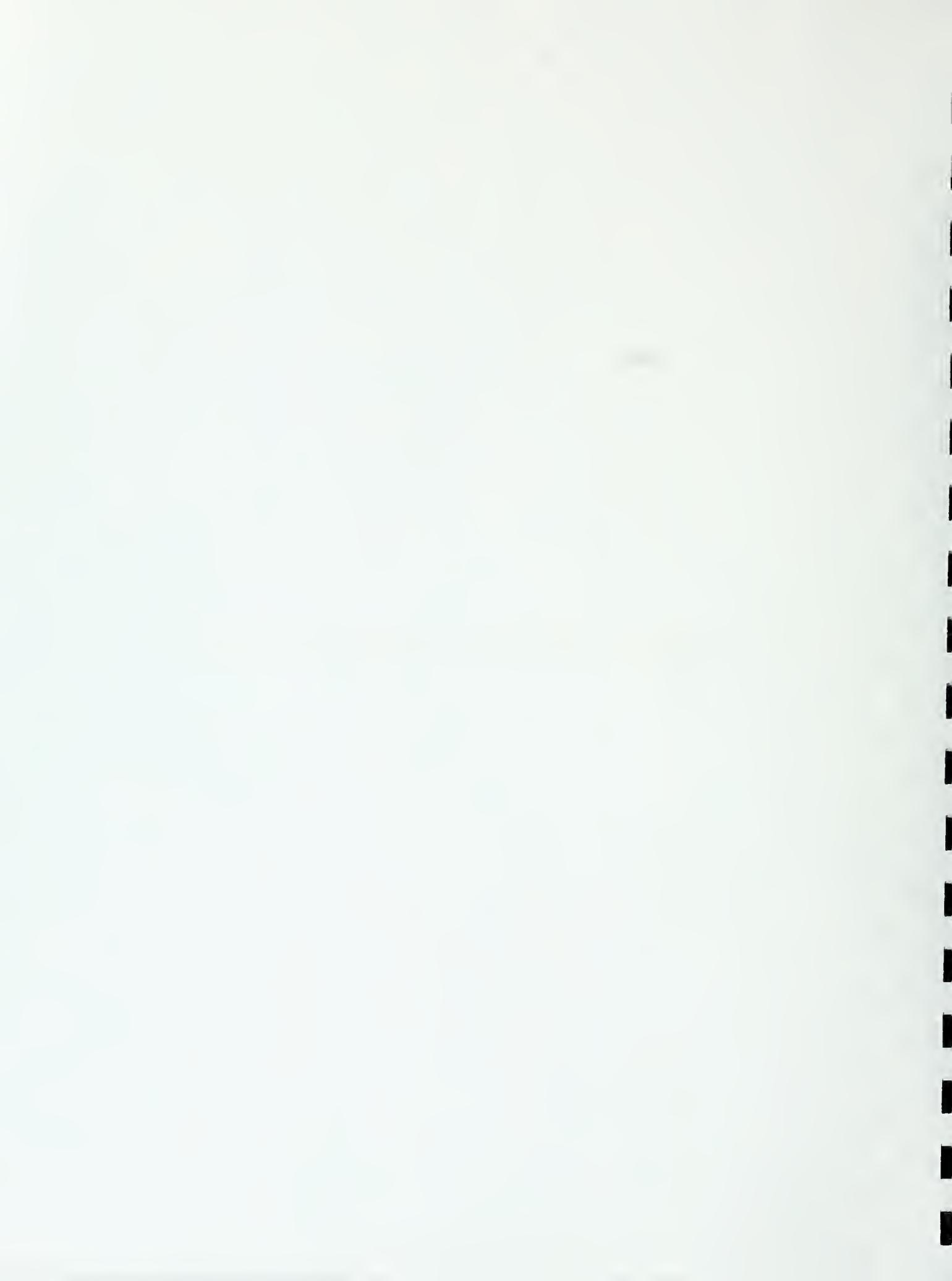
X. References

Board of Oil and Gas Conservation. 1989. Programmatic Environmental Impact Statement on Oil and Gas Drilling and Production in Montana, (draft: Jan, 1989, final: Dec, 1989).





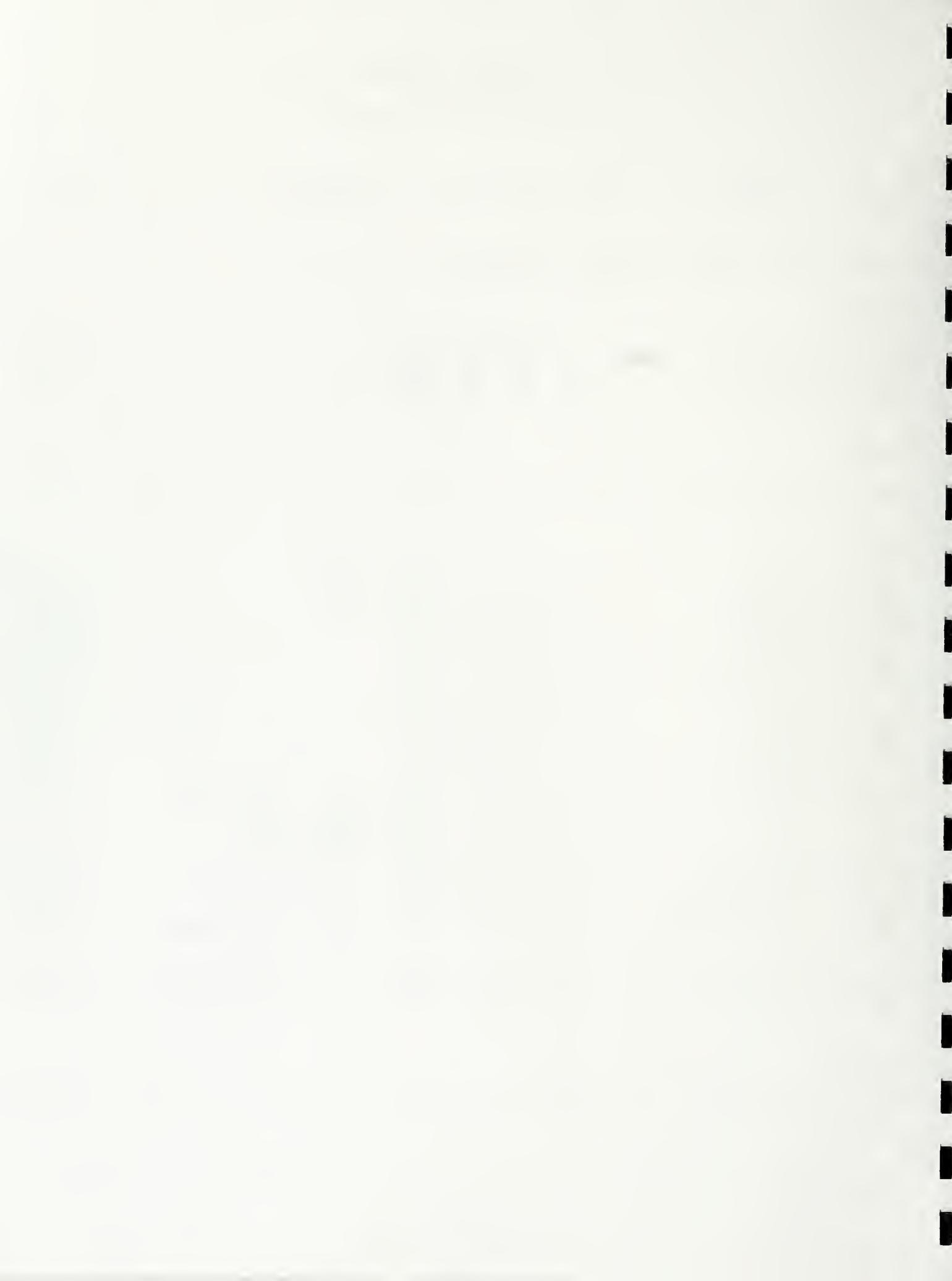
APPENDIX A: Nominated Tract Locations and Stipulations



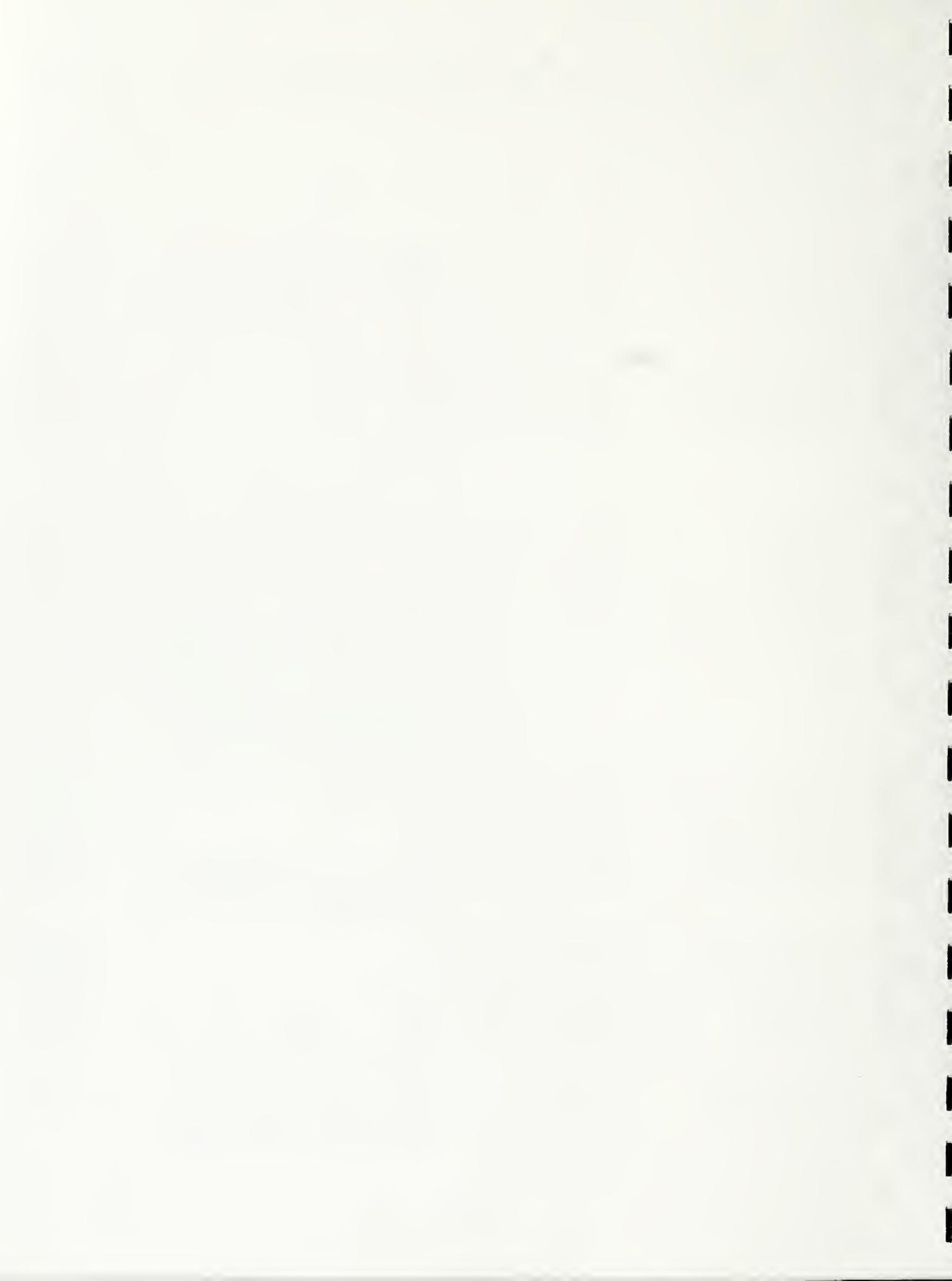
STATE OF MONTANA
OIL & GAS LEASE SALE - SEPTEMBER 5, 2001

PRE-SALE APPLICATION REPORT

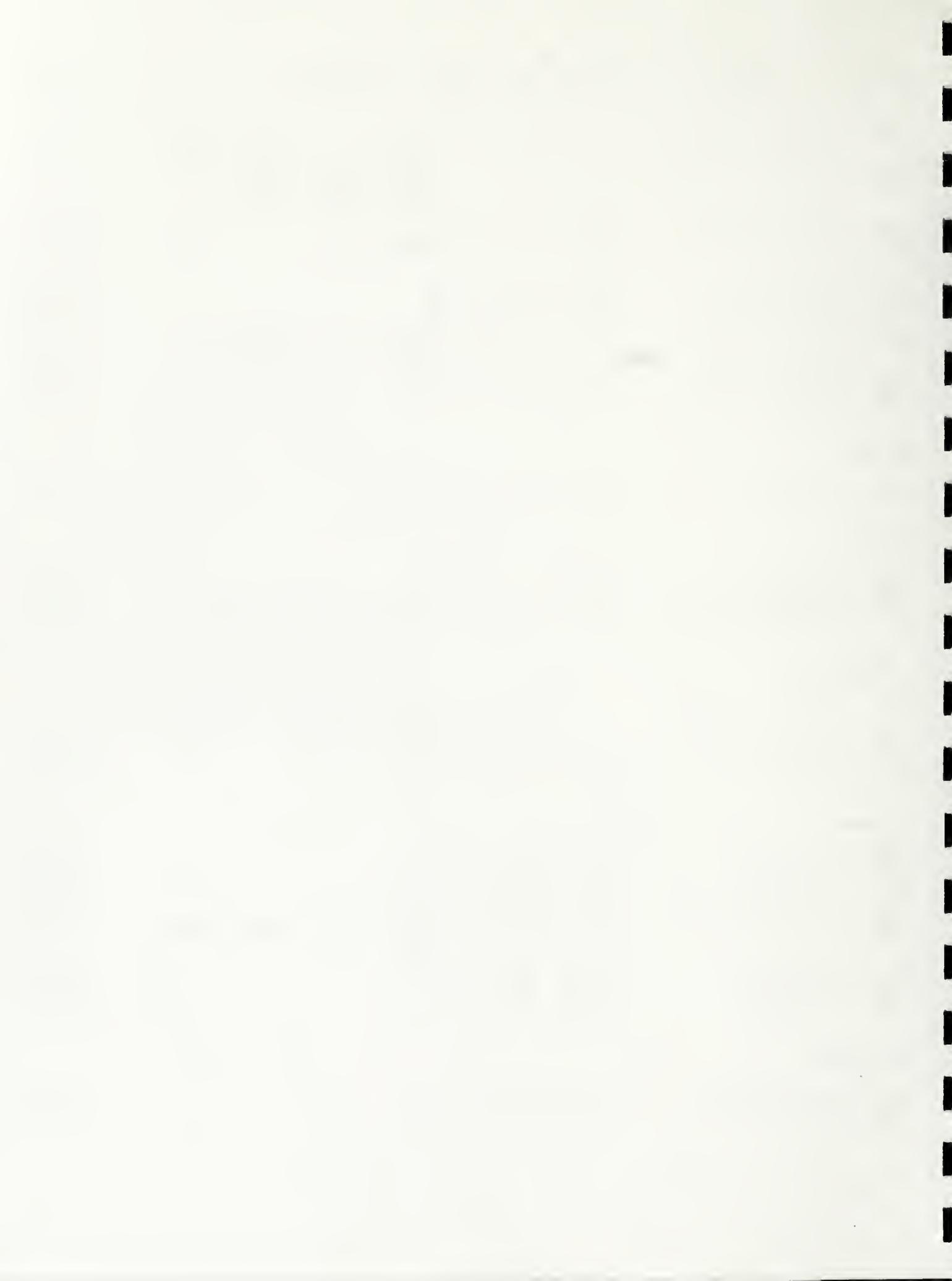
APP#	STIP	TWP	RGE	SEC	DESCRIPTION	ACRES
LESSOR: DEPT OF NATURAL RESOURCES & CONSERVATION						
BIG HORN						
5036	1,2,3,4,5,7,8	1.S	30.E	35	ALL	640.00
5037	1,2,3,4,5,6,7,15	1.S	33.E	16	ALL	* 640.00
5038	2,3,4,5,6,18	2.S	32.E	12	E2W2	* 160.00
5039	2,3,4,5,6,18	2.S	32.E	13	LOTS 1, 2	* 84.80
BLAINE						
5021	1,2,3,4,5,6,7,11	35.N	20.E	36	ALL	* 640.00
CARTER						
5041	1,2,3,4,5,6,7	1.N	60.E	3	E2SW4, SW4SE4	* 120.00
5042	1,2,3,4,5,6,7	1.N	60.E	10	NW4NE4, NW4	* 200.00
5043	1,2,3,4,5,7,9	1.N	60.E	16	ALL	640.00
5044	2,3,4,5,18	1.N	60.E	36	ALL	640.00
5081	1,2,3,4,5,7,13	7.S	57.E	36	ALL	640.00
5001	1,2,3,4,5,7,10,13	7.S	58.E	16	ALL	640.00
5082	1,2,3,4,5,7,10	7.S	58.E	36	ALL	640.00
5083	1,2,3,4,5,7	8.S	57.E	16	ALL	640.00
5084	1,2,3,4,5,6,7,9	8.S	57.E	36	ALL	* 640.00
5085	1,2,3,4,5,7,12	8.S	58.E	16	ALL	640.00
5086	1,2,3,4,5,7,10,11,12	8.S	58.E	36	ALL	640.00
5087	1,2,3,4,5,7	8.S	59.E	16	ALL	640.00
5088	1,2,3,4,5,7,9,10	8.S	59.E	36	LOTS 1 THRU 7, W2NE4, NW4, N2SW4, NW4SE4	612.46
5003	1,2,3,4,5,7	9.S	56.E	16	E2E2, NW4NE4, SE4NW4	240.00
5004	1,2,3,4,5,7,10	9.S	56.E	36	LOTS 1 THRU 12, N2	839.56
5005	1,2,3,4,5,7,10	9.S	57.E	16	ALL	640.00
5006	1,2,3,4,5,7,10,11	9.S	57.E	36	LOTS 1 THRU 12, N2, N2S2	865.76
5089	1,2,3,4,5,7,10,11,12	9.S	58.E	16	ALL	640.00
5090	1,2,3,4,5,7,9,10,12,13,17	9.S	58.E	36	LOTS 1 THRU 18, NW4, N2SW4	877.60
5091	1,2,3,4,5,7,9,12	9.S	59.E	16	ALL	640.00
5092	1,2,3,4,5,6,9,10,12,13,14,17	9.S	59.E	36	LOTS 1, 2, 3, 4, N2, N2S2	* 664.40
GLACIER						
5093	1,2,3,4,5,7,16	32.N	5.W	16	ALL	640.00



APP#	STIP	TWP	RGE	SEC	DESCRIPTION	ACRES
HILL						
5074	1,2,3,4,5	29.N	8.E	15	SE4	160.00
5075	1,2,3,4,5,7,10,14	29.N	8.E	16	LOTS 1, 2, N2, N2S2, S2SE4 (SUBJECT TO 70-16-201, MCA)	640.00
5076	1,2,3,4,5	29.N	8.E	22	NE4	160.00
5077	1,2,3,4,5,7,10,14	29.N	8.E	36	LOTS 1, 2, 3, N2S2, S2SW4, N2 (SUBJECT TO 70-16-201, MCA)	640.00
5028	1,2,3,4,5,7,8	37.N	9.E	9	ALL	640.00
5029	1,2,3,4,5	37.N	9.E	15	ALL	640.00
5030	1,2,3,4,5,6,7,8,10	37.N	9.E	16	ALL	* 640.00
5031	1,2,3,4,5,7,8	37.N	9.E	20	N2	320.00
5032	1,2,3,4,5,6,7,10	37.N	9.E	21	E2	* 320.00
5033	1,2,3,4,5,6,7,8	37.N	9.E	36	ALL	* 640.00
LIBERTY						
5015	1,2,3,4,5,7	28.N	4.E	28	E2NE4, SW4NE4, W2	440.00
5016	1,2,3,4,5,7	28.N	4.E	32	S2	320.00
5017	1,2,3,4,5,7	28.N	4.E	33	W2	320.00
5045	1,2,3,4,5,7	29.N	5.E	36	ALL	640.00
5046	1,2,3,4,5,7,9,10,14	29.N	6.E	15	LOTS 2, 3, 4, 5 (SUBJECT TO 70-16-201, MCA)	160.00
5047	1,2,3,4,5,7,9,10,14	29.N	6.E	16	LOTS 1 THRU 10, N2N2, SE4NW4, NE4SW4, SE4SE4, NW4SW4, SW4NW4 (SUBJECT TO 70-16-201, MCA)	627.00
5049	1,2,3,4,5,7,9,14	29.N	6.E	17	LOTS 1, 2, 3, 12, S2NE4, LESS THE SURFACE TO THE BASE OF THE BLACKLEAF FM IN LOT 2 (SUBJECT TO 70-16-201, MCA)	215.00
5050	1,2,3,4,5,7	29.N	6.E	20	SE4	160.00
5051	1,2,3,4,5,7	29.N	6.E	21	SW4	160.00
5052	1,2,3,4,5,6,7,9,10	29.N	6.E	23	S2	* 320.00
5053	1,2,3,4,5,7,10	29.N	6.E	25	ALL	640.00
5054	1,2,3,4,5,7,10	29.N	6.E	26	ALL	640.00
5055	1,2,3,4,5,7,10	29.N	6.E	27	S2	320.00
5056	1,2,3,4,5,7,10	29.N	6.E	28	NW4, SE4, LESS THE SURFACE TO THE BASE OF THE BLACKLEAF FM IN THE NW4SE4	320.00
5057	1,2,3,4,5,7,10	29.N	6.E	29	E2	320.00
5058	1,2,3,4,5,7,10	29.N	6.E	33	E2	320.00
5059	1,2,3,4,5,7,10	29.N	6.E	34	W2	320.00
5060	1,2,3,4,5,7	29.N	6.E	35	E2, SW4	480.00
5061	1,2,3,4,5,7	29.N	6.E	36	ALL	640.00
5062	1,2,3,4,5,6	29.N	7.E	3	LOTS 1, 2, S2NE4	* 159.69
5063	1,2,3,4,5,6,7,9,10,14	29.N	7.E	16	LOT 2, N2, SE4 (SUBJECT TO 70-16-201, MCA)	* 485.00
5064	1,2,3,4,5,9,14	29.N	7.E	19	LOTS 4, 5, 6, 7 (SUBJECT TO 70-16-201, MCA)	131.00
5065	1,2,3,4,5,10,14	29.N	7.E	20	LOT 8, W2SW4, SE4SW4, SE4 (SUBJECT TO 70-16-201, MCA)	324.06



APP#	STIP	TWP	RGE	SEC	DESCRIPTION	ACRES
5066	1,2,3,4,5,7,9,10,14	29.N	7.E	26	LOTS 1, 2, 3, 4, N2S2, SE4SE4 (SUBJECT TO 70-16-201, MCA)	320.00
5067	1,2,3,4,5,7,9,10,14	29.N	7.E	27	LOTS 1 THRU 8, NE4, N2NW4, SE4NW4, SW4SW4, N2SE4 (SUBJECT TO 70-16-201, MCA)	640.00
5068	1,2,3,4,5,6,7,10	29.N	7.E	29	ALL	640.00
5069	1,2,3,4,5,6,7	29.N	7.E	30	S2NE4, SE4	240.00
5070	1,2,3,4,5,6,7	29.N	7.E	31	E2	320.00
5071	1,2,3,4,5,6,7,9	29.N	7.E	32	N2	320.00
5072	1,2,3,4,5,6,7	29.N	7.E	33	N2	320.00
5073	1,2,3,4,5,7,10,14	29.N	7.E	36	LOTS 1, 3, 7, 8, S2NE4, S2 (SUBJECT TO 70-16-201, MCA)	495.28
5022	1,2,3,4,5,7,16	37.N	6.E	1	SW4	160.00
5023	1,2,3,4,5,7,16	37.N	6.E	2	S2	320.00
MCCONE						
5018	1,2,3,4,5,7	22.N	47.E	36	ALL	640.00
PONDERA						
5078	1,2,3,4,5,6,7	27.N	1.E	16	ALL	640.00
5079	1,2,3,4,5,6,7,8,9	28.N	1.E	36	ALL	640.00
5099	1,2,3,4,5,6,7,8,10	30.N	1.W	21	NE4, E2NW4, SW4NW4, NW4SW4	320.00
POWDER RIVER						
5101	1,2,3,4,5,7,9,12	1.S	47.E	10	SW4NE4, NW4, SW4SW4, E2SW4, SE4	480.00
5102	1,2,3,4,5,7,9,10	1.S	47.E	16	ALL	640.00
5103	2,3,4,5,18	1.S	47.E	36	ALL	640.00
RICHLAND						
5009	1,2,3,4,5,7	24.N	53.E	16	ALL	640.00
5010	1,2,3,4,5,7	24.N	53.E	19	E2	320.00
5011	1,2,3,4,5,7,9	24.N	53.E	36	ALL	640.00
5012	1,2,3,4,5,7,9	25.N	52.E	16	ALL	640.00
5013	1,2,3,4,5	25.N	52.E	26	N2NE4, SE4NE4, E2NW4, SW4NW4, N2SW4	320.00
5014	1,2,3,4,5,7	25.N	52.E	36	ALL	640.00
5007	1,2,3,4,5,7	25.N	56.E	16	ALL	640.00
5025	1,2,3,4,5,7	26.N	52.E	36	ALL	640.00
STILLWATER						
5002	1,2,3,4,5,6,7	1.N	22.E	16	ALL	640.00
5027	1,2,3,4,5,6,7,16	2.N	20.E	16	ALL	640.00



APP#	STIP	TWP	RGE	SEC	DESCRIPTION	ACRES
TOOLE						
5080	1,2,3,4,5,6,7,8	29.N	2.E	16	ALL, LESS 120.21 ACRES IN THE NW4 AND NW4SW4	519.79
5094	1,2,3,4,5,6,7,10,14	30.N	1.E	16	ALL	640.00
5095	1,2,3,4,5,7,10	30.N	1.E	36	ALL	640.00
5096	1,2,3,4,5,7	31.N	1.E	26	NE4	160.00
5097	1,2,3,4,5,6,7	31.N	1.E	36	ALL	640.00
5034	1,2,3,4,5,6	33.N	2.E	27	NW4	160.00
5035	1,2,3,4,5,6,7	33.N	2.E	35	E2E2	160.00
5019	1,2,3,4,5,7	35.N	2.E	5	LOTS 3, 4, S2NW4, SW4	317.05
5020	1,2,3,4,5,7	35.N	2.E	8	E2	320.00
5008	1,2,3,4,5,7,8	35.N	2.E	15	E2	320.00
5024	1,2,3,4,5,7	35.N	3.E	36	ALL	640.00
5026	1,2,3,4,5,7	36.N	1.E	36	ALL	640.00
5040	1,2,3,4,5,7,16	36.N	2.E	34	ALL	640.00
5098	1,2,3,4,5,7,9,10,14	30.N	1.W	16	ALL, LESS PAT. RR R/W	631.17

LESSOR: DEPT OF TRANSPORTATION

ROOSEVELT

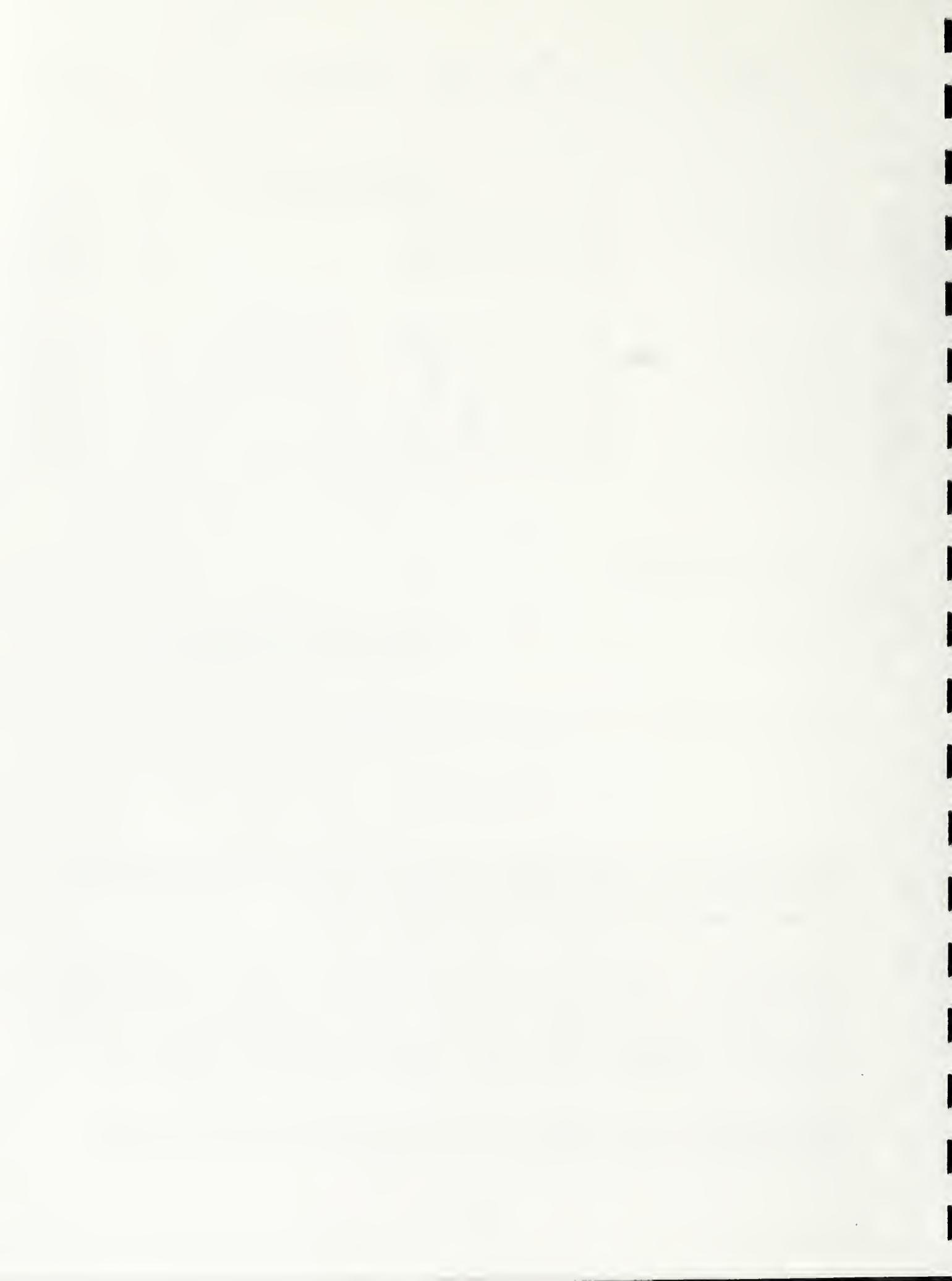
5100	1,2,3,4,5,19	28.N	58.E	27	HIGHWAY TRACT IN SW4SW4 IN ORIGINAL TOWNSITE OF BAINVILLE	0.90
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* Part or all of the tract is not state-owned surface.

STIPULATIONS

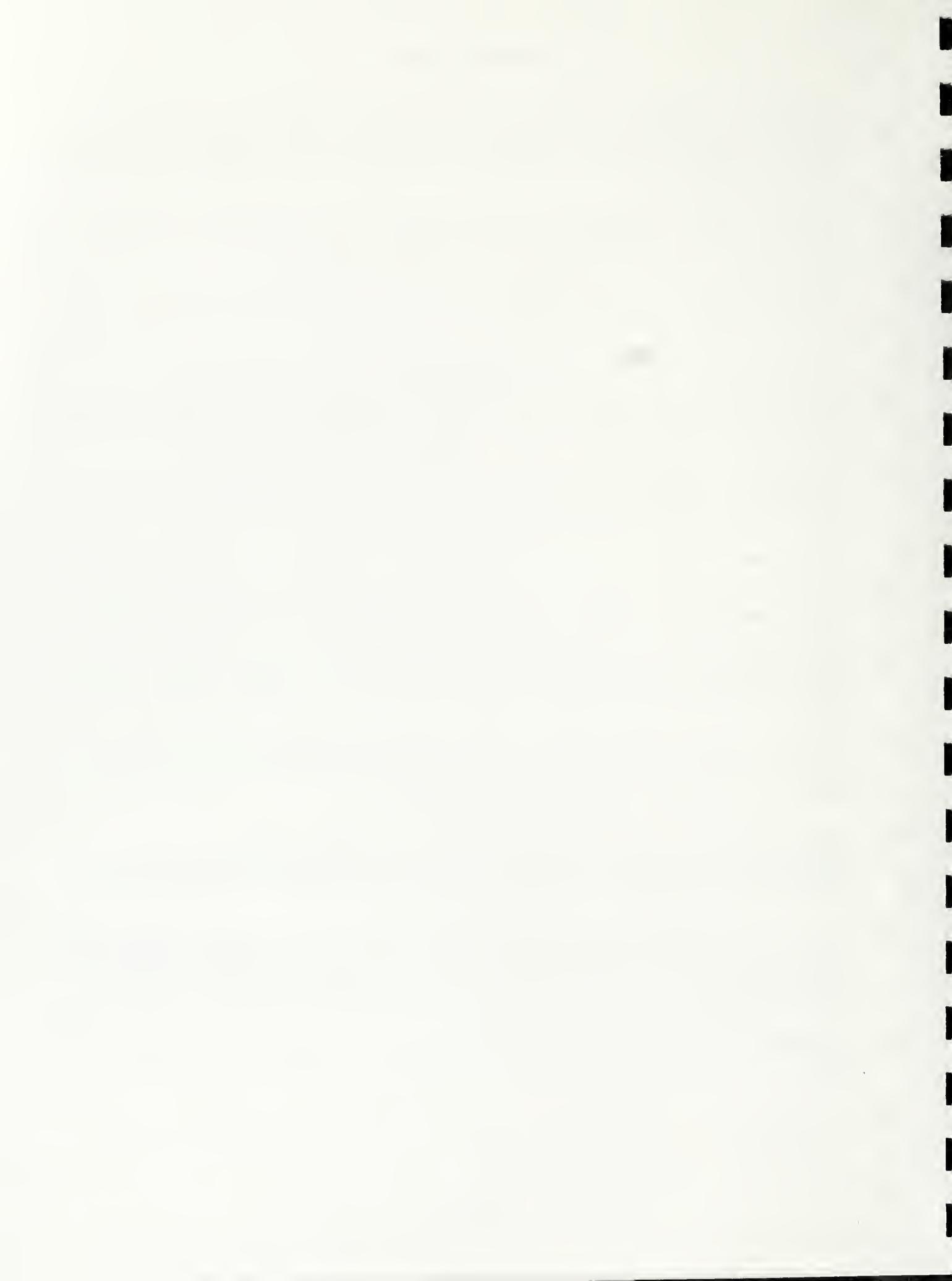
1. Lessee shall notify and obtain approval from the Department's Trust Land Management Division (TLMD) prior to constructing well pads, roads, power lines, and related facilities that may require surface disturbance on the tract. Lessee shall comply with any mitigation measures stipulated in TLMD's approval.
2. Prior to the drilling of any well, lessee shall send one copy of the well prognosis, including Form 22 "Application for Permit" to the Department's Trust Land Management Division (TLMD). After a well is drilled and completed, lessee shall send one copy of all logs run, Form 4A "Completion Report", and geologic report to TLMD. A copy of Form 2 "Sundry Notice and Report of Wells" or other appropriate Board of Oil and Gas Conservation form shall be sent to TLMD whenever any subsequent change in well status or operator is intended or has occurred. Lessee shall also notify and obtain approval from the TLMD prior to plugging a well on the lease premises.

Issuance of this lease in no way commits the Land Board to approval of coal bed methane production on this lease. Any coal bed methane extraction wells would require subsequent review and approval by the board.



STIPULATIONS

3. The TLMD will complete an initial review for cultural resources and, where applicable, paleontological resources of the area intended for disturbance and may require a resources inventory. Based on the results of the inventory, the TLMD may restrict surface activity for the purpose of protecting significant resources located on the lease premises.
4. The lessee shall be responsible for controlling any noxious weeds introduced by lessee's activity on State-owned land and shall prevent or eradicate the spread of those noxious weeds onto land adjoining the lease premises.
5. The definitions of "oil" and "gas" provided in 82-1-111, MCA, do not apply to this lease for royalty calculation purposes.
6. Lessee must contact the owner of the surface in writing at least 30 days prior to any surface activity. A copy of the correspondence shall be sent to TLMD.
7. No activity shall be allowed within 100 feet of any perennial or seasonal stream, pond, lake, prairie potholes, wetland, spring, reservoir, well, aqueduct, irrigation ditch, canal, or related facilities without prior approval of the TLMD.
8. The lessee is responsible to pay for all damages, including penalties and charges assessed by the USDA-CFSA on CRP lands, as a result of drilling and production on the tract. All damages will be assessed by and paid directly to the TLMD.
9. Wooded areas on this tract will be avoided unless otherwise authorized by the TLMD.
10. Due to unstable soil conditions on this tract and/or steep topography, surface use may be restricted or denied. Seismic activity may be restricted to poltershots.
11. Wildlife species of concern have been identified on or near this tract. A survey in areas of proposed activity may be required prior to disturbance. Identified species will be avoided, unless otherwise authorized by the TLMD. Additional mitigation measures may also be required.
12. Potential wildlife conflicts have been identified for this tract. The TLMD will contact the Montana Department of Fish, Wildlife, and Parks office in the area for advice on alleviating any possible conflicts caused by lessee's proposed activities. Additional mitigation measures may be required.
13. Plant species of concern have been identified on or near this tract. A vegetation survey in areas of proposed activity will be required prior to disturbance. Identified rare plant species will be avoided, unless otherwise authorized by the TLMD.
14. Any activity within 1/8 mile of the river or lake/reservoir on or adjacent to this tract must be approved in writing by the TLMD prior to commencement. No surface occupancy is allowed within the bed of the river, abandoned channels, the bed of the lake/reservoir, or on islands and accretions associated with the river or lake/reservoir.
15. No surface occupancy of the cemetery site is permitted without written approval of TLMD.



STIPULATIONS

16. This tract has (an) existing well(s) and related facilities. The lessee has 45 days from the effective date of this lease to determine whether or not to assume responsibility from the former lessee for the well(s) and any existing facilities. The lessee may not enter the well until a change of operator has been filed with, and approved by, the Board of Oil and Gas Conservation.
17. This lease is issued subject to a prior existing State of Montana bentonite lease. Lessee's right to search, develop, and produce oil and gas may be restricted by such prior existing lease rights.
18. This lease includes areas that may be environmentally sensitive. Therefore, if the lessee intends to conduct any activities on the lease premises, the lessee shall submit to TLMD one copy of an Operating Plan or Amendment to an existing Operating Plan, describing in detail the proposed activities. No activities shall occur on the tract until the Operating Plan or Amendments have been approved in writing by the Director of the Department. TLMD shall review the Operating Plan or Amendment and notify the lessee if the Plan or Amendment is approved or disapproved.

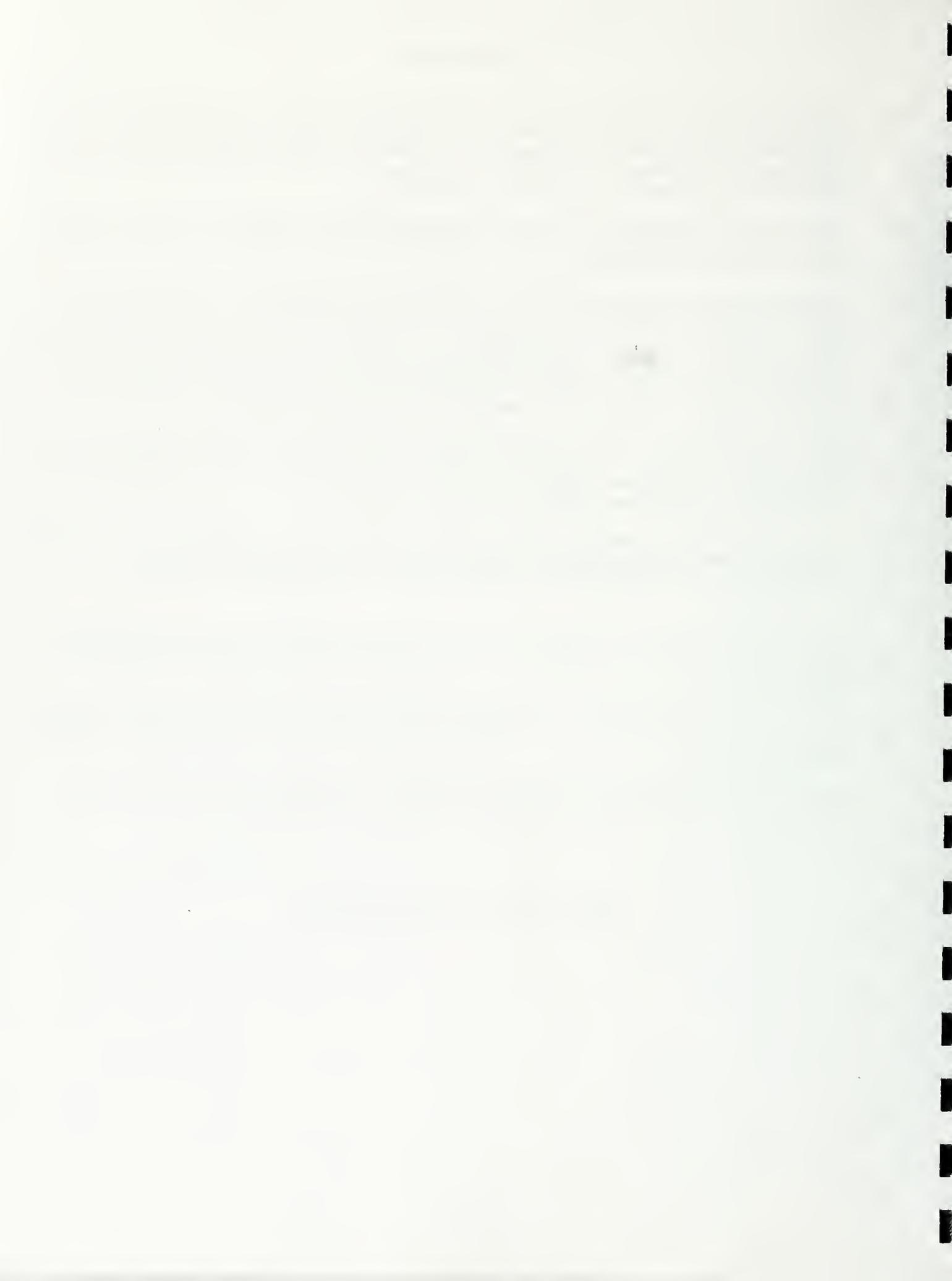
After an opportunity for an informal hearing with the lessee, surface activity may be denied or restricted on all or portions of any tract if the Director determines in writing that the proposed surface activity will be detrimental to trust resources and therefore not in the best interests of the trust.
19. No surface occupancy shall be allowed on any portion of this tract which is indicated as right-of-way on the official highway plans on file at the Department of Transportation in Helena, Montana without prior written approval from TLMD.

Sight drafts will not be accepted. The State Board of Land Commissioners reserves the right to reject any and all bids. All payments are due within ten days after date of sale.

An Environmental Assessment is available upon request from the Department of Natural Resources and Conservation, Trust Land Management Division, P.O. Box 201601, Helena, MT 59620-1601.

Individuals with disabilities needing assistance or special services, please call Julie David at (406) 444-2074 at least 1 week prior to the sale.

STATE BOARD OF LAND COMMISSIONERS





APPENDIX B: Example Stipulations for Oil and Gas Leasing.

Stipulations marked with (*) are placed on all leases.



Notification

- A-1. Lessee shall notify and obtain approval from the Department's Trust Land Management Division (TLMD) prior to constructing well pads, roads, power lines, and related facilities that may require surface disturbance on the tract. Lessee shall comply with any mitigation measures stipulated in TLMD's approval.
- *A-2. Prior to the drilling of any well, lessee shall send one copy of the well prognosis, including Form 22 "Application for Permit" to the Department's Trust Land Management Division (TLMD). After a well is drilled and completed, lessee shall send one copy of all logs run, Form 4A "Completion Report", and geologic report to TLMD. A copy of Form 2 "Sundry Notice and Report of Wells" or other appropriate Board of Oil and Gas Conservation form shall be sent to TLMD whenever any subsequent change in well status or operator, is intended or has occurred. Lessee shall also notify and obtain approval from the TLMD prior to plugging a well on the lease premises.

Issuance of this lease in no way commits the Land Board to approval of coal bed methane production on this lease. Any coal bed methane extraction wells would require subsequent review and approval by the board.

Cultural

- *B. The TLMD will complete an initial review for cultural resources and, where applicable, paleontological resources of the area intended for disturbance and may require a resources inventory. Based on the results of the inventory, the TLMD may restrict surface activity for the purpose of protecting significant resources located on the lease premises.

Weeds

- *C. The lessee shall be responsible for controlling any noxious weeds introduced by Lessee's activity on State-owned land and shall prevent or eradicate the spread of those noxious weeds onto land adjoining the lease premises.

Royalty Calculation

- *D. The definitions of "oil" and "gas" provided in 82-1-111, MCA, do not apply to this lease for royalty calculation purposes.

CRP Land and Damages

- E. The lessee is responsible to pay for all damages, including penalties and charges assessed by the USDA-CFSA on CRP lands, as a result of drilling and production on the tract. All damages will be assessed by and paid directly to the TLMD.

Sensitive Areas

- F-1. This lease includes areas that may be environmentally sensitive. Therefore, if the lessee intends to conduct any activities on the lease premises, the lessee shall submit to TLMD one copy of an Operating Plan or Amendment to an existing Operating Plan, describing in detail the proposed activities. No activities shall occur on the tract until the Operating Plan or Amendments have been approved in writing by the Director of the Department. TLMD shall review the Operating Plan or Amendment and notify the lessee if the Plan or Amendment is approved or disapproved.



After an opportunity for an informal hearing with the lessee, surface activity may be denied or restricted on all or portions of any tract if the Director determines in writing that the proposed surface activity will be detrimental to trust resources and therefore not in the best interests of the trust.

F-2. This lease is located near the Rocky Mountain Front and includes areas that are environmentally sensitive. Therefore, except as otherwise provided below, the lessee shall not conduct any surface operations on the lease premises. If the lessee determines that surface operation on the lease premises may be required, the lessee shall submit a proposed Operating Plan or Amendment to an existing Operating Plan to the State Board of Land Commissioners describing in detail the proposed operations. No surface activities shall occur on the lease premises unless and until the Operating Plan or Amendment is approved by the Board. In determining whether to approve the proposed Operating Plan or Amendment, the following provisions shall apply:

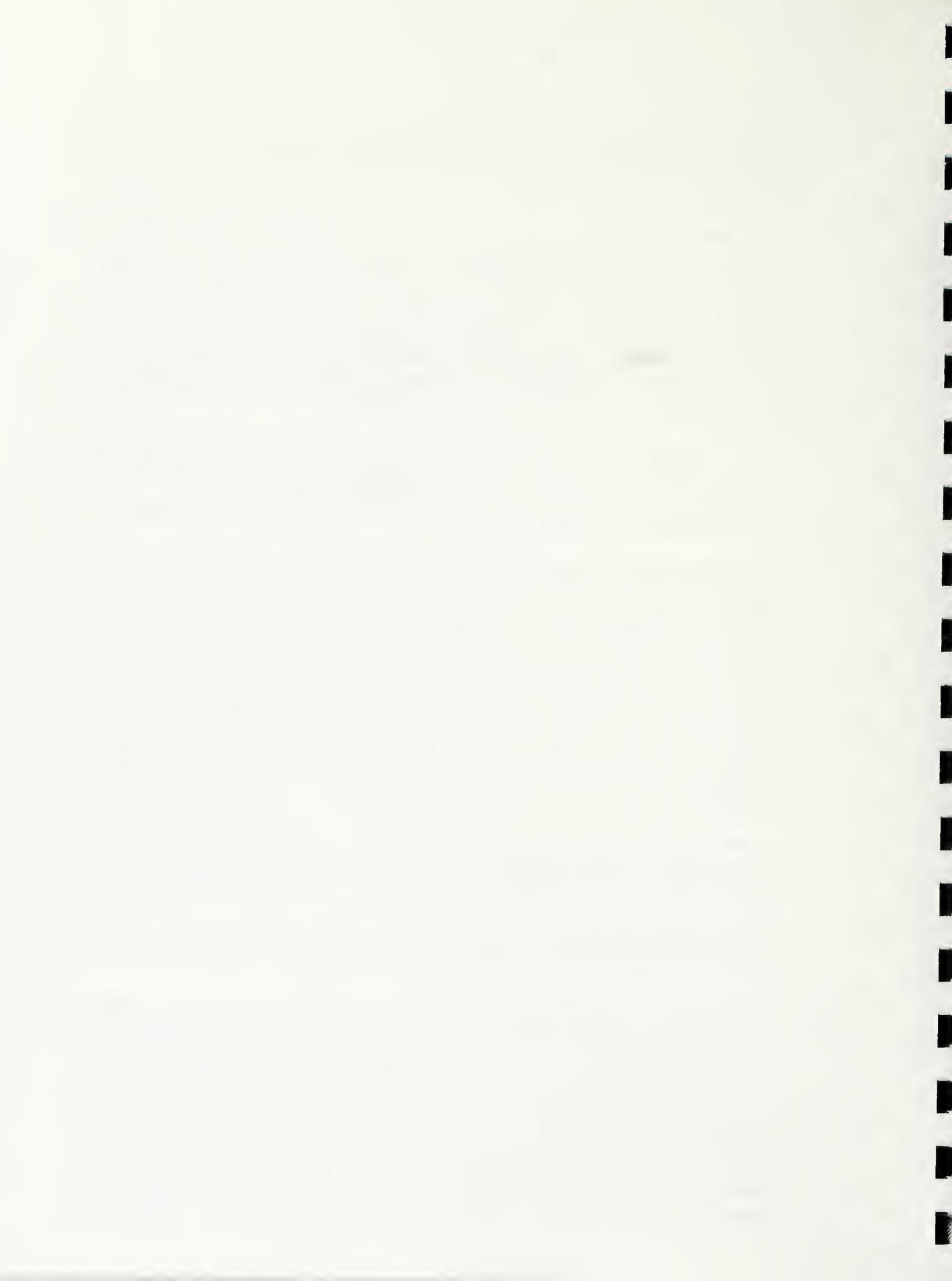
1) If the lessee proposes an activity that does not entail any significant surface disturbance, the Board may approve the same after completion of the appropriate environmental review in accordance with the Montana Environmental Policy Act (MEPA) and an opportunity for public comment on the proposed activity has been provided.

2) Before the Board approves any proposed activity on the lease premises that entails a significant surface disturbance, an environmental impact statement (EIS) shall be completed in accordance with MEPA. The EIS shall analyze the potential impacts of alternative and future potential levels of oil and gas development and extraction on an ecosystem scale as the ecosystem is defined by the "Limits of Acceptable Change--Bob Marshall Wilderness Complex" adopted by the Montana Department of Fish, Wildlife & Parks in December 1991. The analysis shall consider all relevant information, which may include, but is not limited to, existing environmental reviews and management plans. Public involvement in the environmental review process shall be actively solicited by the preparer of the environmental review document and shall include, at minimum, adequately noticed public meetings in at least three communities including Great Falls and Helena.

3) The proposed surface activity shall adhere to the "Interagency Rocky Mountain Front, Wildlife Monitoring/Evaluation Program, Management Guidelines for Selected Species" adopted by the Montana Department of Fish, Wildlife & Parks in September 1987, or any successor guidelines thereto.

4) The Board may refuse to approve any proposed surface operations if it determines that they do not constitute the best use of trust resources or are not in the best interest of the State of Montana.

F-3. This lease is located within or adjacent to the Sleeping Giant and Sheep Creek Wilderness Study Area, the Beartooth State Wildlife Management Area, and/or the Gates of the Mountains Wilderness and includes areas that are environmentally sensitive. Therefore, except as otherwise provided below, the lessee shall not conduct any surface operations on the lease premises. If the lessee determines that surface operation on the lease premises may be required, the lessee shall submit a proposed Operating Plan or Amendment to an existing Operating Plan to the State Board of Land Commissioners describing in detail the proposed operations. No surface activities shall occur on the lease premises unless and until the Operating Plan or Amendment is approved by the Board. In determining whether to approve the proposed Operating Plan or Amendment, the following provisions shall apply:



1) If the lessee proposes an activity that does not entail any significant surface disturbance, the Board may approve the same after completion of the appropriate environmental review in accordance with the Montana Environmental Policy Act (MEPA) and an opportunity for public comment on the proposed activity has been provided.

2) Before the Board approves any proposed activity on the lease premises that entails a significant surface disturbance, an environmental impact statement (EIS) shall be completed in accordance with MEPA. The EIS shall analyze the potential impacts of alternative and future potential levels of oil and gas development and extraction on an ecosystem scale. The analysis shall consider all relevant information, which may include, but is not limited to, existing environmental reviews and management plans. Public involvement in the environmental review process shall be actively solicited by the preparer of the environmental review document and shall include, at minimum, adequately noticed public meetings in at least two communities including Great Falls and Helena.

3) The Board may refuse to approve any proposed surface operations if it determines that they do not constitute the best use of trust resources or are not in the best interest of the State of Montana.

Navigable Rivers

G. This tract contains navigable river beds. No surface occupancy is allowed within the bed of the navigable river, abandoned channels, or on islands and accretions. In addition, upon completion of a successful well, where river title is disputed, the lessee will file an interpleader action under Rule 22, M.R.Civ.P. in the Montana District Court in which the leased lands are located for all acreage within the lease in which the title is disputed. The lessee shall name all potential royalty claimants as defendants.

Surface not State Owned

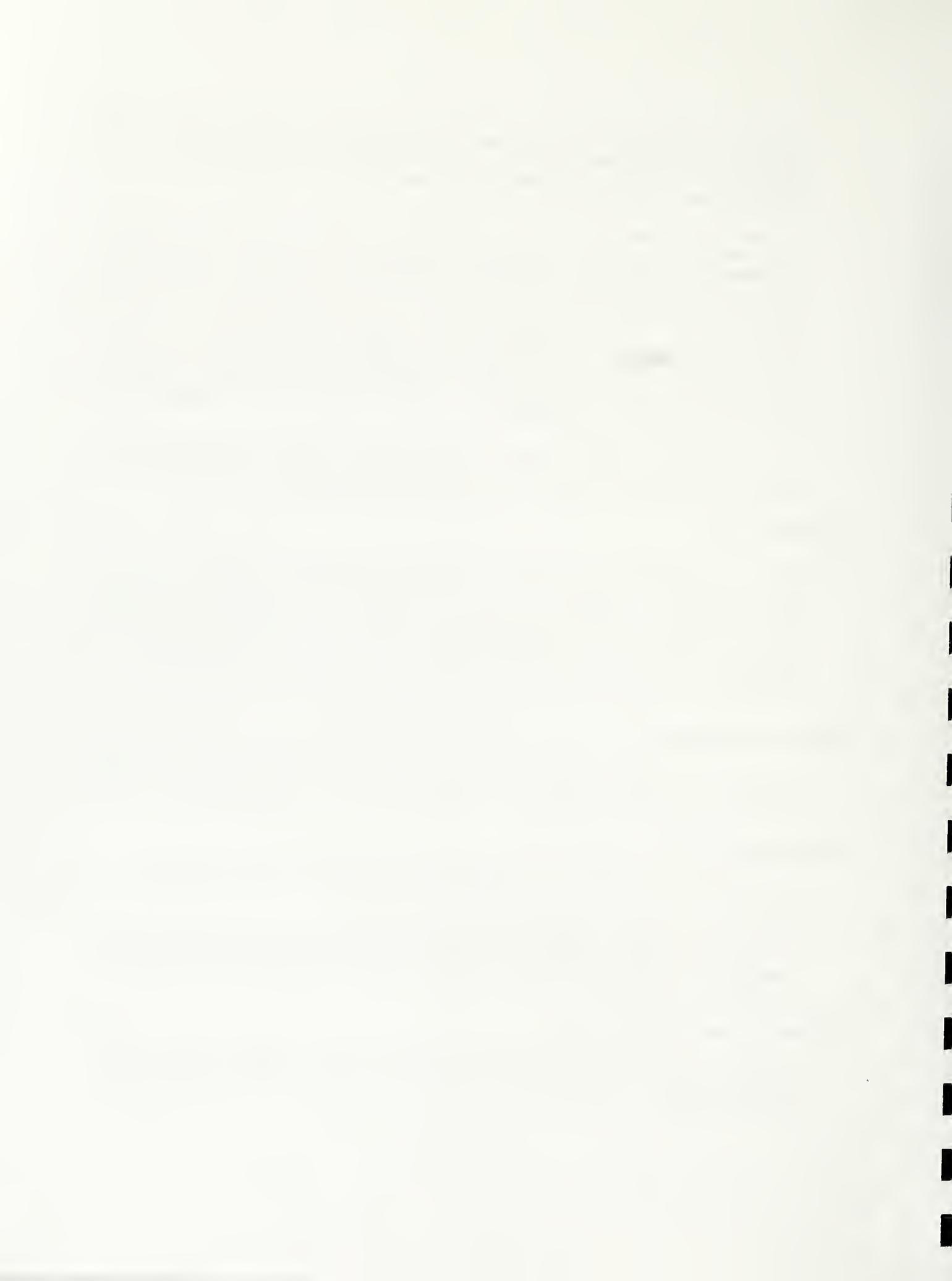
H. Lessee must contact the owner of the surface in writing at least 30 days prior to any surface activity. A copy of the correspondence shall be sent to TLMD.

No Surface Occupancy

- I. No surface occupancy shall be allowed on this tract unless otherwise approved in writing by the Director of DNRC.
- J. No surface occupancy shall be allowed on any portion of this tract which is indicated as right-of-way on the official highway plans on file at the Department of Transportation in Helena, Montana without prior written approval from TLMD.

Existing Production Restrictions

K. Lessee will need to make settlement for the value of the equipment with previous lessee. A copy of this settlement will be sent to the TLMD for their records.



Existing Facilities

- L-1. This tract has (an) existing well(s) and related facilities. The lessee has 45 days from the effective date of this lease to determine whether or not to assume responsibility from the former lessee for the well and any existing facilities. The lessee may not enter the well until a change of operator has been filed with, and approved by, the Board of Oil and Gas Conservation.
- L-2. This tract has an existing well and related facilities. The lessee has 45 days from the effective date of this lease to determine whether or not to assume responsibility from the former lessee for the well and any existing facilities. The lessee may not enter the well until a change of operator has been filed with, and approved by, the Board of Oil and Gas Conservation. This well must be returned to commercial production or plugged and the wellsite reclaimed within 18 months from the effective date of this lease.

Drainage Occurring

- M. It is the opinion of the TLMD that drainage is occurring on the land described in this lease and that if a well is not drilled within two years after this lease is issued the department will consider cancellation of the lease for failure to drill an offset well.

Forested Tracts - Timber

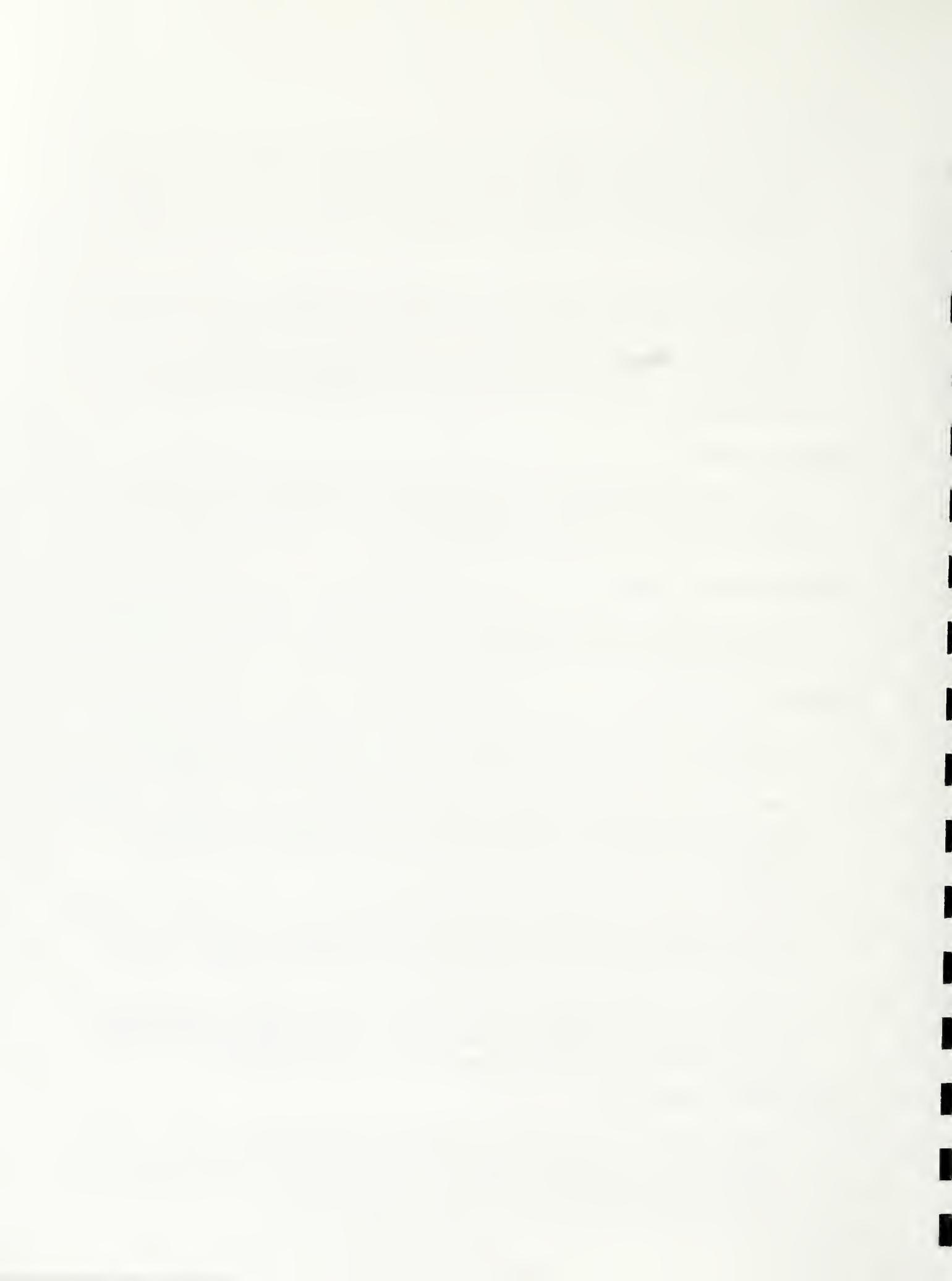
- N. Prior to the cutting or removal of timber on these tracts for exploration or development related activities, the lessee shall acquire the approval of the appropriate TLMD area office.

Wildlife Restrictions

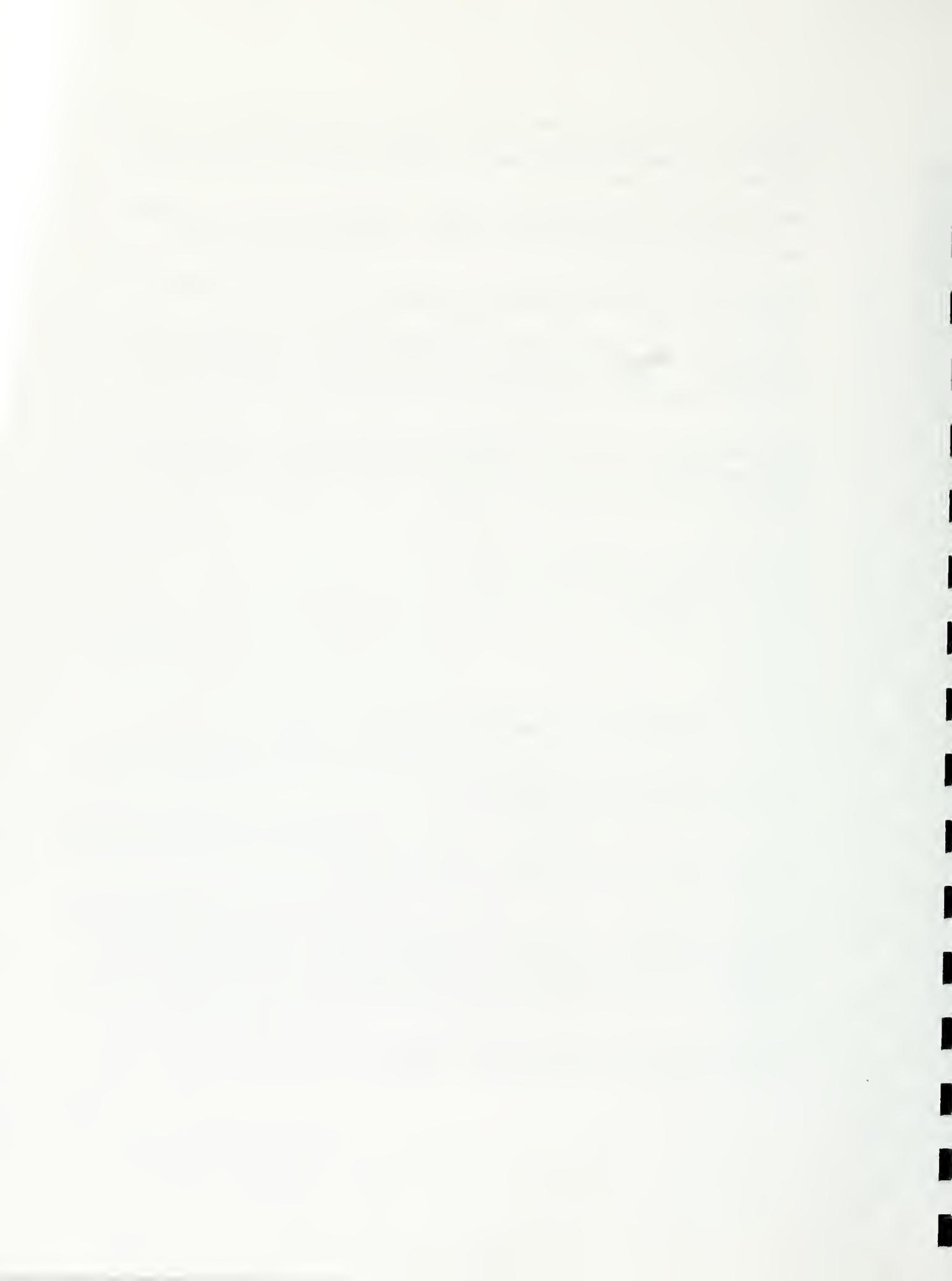
- O. To protect wildlife during periods important to their survival, surface occupancy or other activity shall be restricted from March 15 through July 15 of each year unless otherwise authorized in writing by the TLMD.
- P-1. Potential wildlife conflicts have been identified for this tract. The TLMD will contact the Montana Department of Fish, Wildlife, and Parks office in the area for advice on alleviating any possible conflicts caused by lessee's proposed activities. Additional mitigation measures may be required.
- P-2. Potential wildlife conflicts have been identified for this tract. The TLMD will contact the U.S. Fish and Wildlife Service office in the area for advice on alleviating any possible conflicts caused by lessee's proposed activities. Additional mitigation measures may be required.
- Q. Wildlife species of concern have been identified on or near this tract. A survey in areas of proposed activity may be required prior to disturbance. Identified species will be avoided, unless otherwise authorized by the TLMD. Additional mitigation measures may also be required.

Miscellaneous Restrictions

- R. Any activity within 1/8 mile of the river or lake/reservoir on or adjacent to this tract must be approved in writing by the TLMD prior to commencement. No surface occupancy is allowed within the bed of the river, abandoned channels, the bed of the lake/reservoir, or on islands and accretions associated with the river or lake/reservoir.



- S. No activity shall be allowed within 100 feet of any perennial or seasonal stream, pond, lake, prairie pothole, wetland, spring, reservoir, well, aqueduct, irrigation ditch, canal, or related facilities without prior approval of the TLMD.
- T. Due to unstable soil conditions on this tract and/or steep topography, surface use may be restricted or denied. Seismic activity may be restricted to poltershots.
- U. Due to existing surface uses (such as center pivots, wheel lines, etc.) development on this tract may be restricted.
- V. Plant species of concern have been identified on or near this tract. A vegetation survey in areas of proposed activity will be required prior to disturbance. Identified rare plant species will be avoided, unless otherwise authorized by the TLMD.
- W. A critical weed problem exists on this tract. Additional mitigation measures will be required to prevent further spread of noxious weeds. The department may require such measures as power washing of vehicles, car pooling, timing restrictions for seismic, etc. to facilitate this prevention.
- X. This tract contains biological weed-control sites which must be avoided unless otherwise authorized by TLMD.
- Y. No surface occupancy of the cemetery site is permitted without written approval of TLMD.
- Z. Wooded areas on this tract will be avoided unless otherwise authorized by the TLMD.
- AA. No surface occupancy of the school area and/or related facilities is permitted without written approval of TLMD.
- BB. Lease contains a well certified for domestic use by the Board of Oil and Gas Commission (BOGC). Therefore, BOGC does not consider this well to be subject to well spacing regulations.
- CC. This lease is issued subject to a prior existing State of Montana bentonite lease. Lessee's right to search, develop, and produce oil and gas may be restricted by such prior existing lease rights.
- DD. A gas storage unit exists on this tract. TLMD will solicit comments from gas storage operator (if other than lessee) if drilling through the gas storage reservoir is proposed, and TLMD may include reasonable protective stipulations in approving Lessee's operating plan. As part of its regulatory review, the BOGC may also require protective measures to ensure no impact to the gas storage reservoir.
- EE. No surface occupancy of radio tower sites or related facilities is permitted without written approval of TLMD.





APPENDIX C: Agency Comments Received Before Deadline





**Montana Fish,
Wildlife & Parks**

April 19, 2000

Greg Risdahl
HC 40 Box 214
Olive, MT 59343
Tel: 406-554-3573
Fax: 406-554-3574

Teresa Kinley, Hydrologist/Geologist
Minerals Management Bureau
Department of Natural Resources and Conservation
Trust Land Management Division
P. O. Box 201601
Helena, MT 59620-1601

RECEIVED
APR 20 2000
D.N.R.C.

Dear Ms. Kinley,

Thank you for the notice of the upcoming oil and gas lease sale in my management area (letter dated March 31, 2000). With all the mineral interest and development currently occurring in southeast Montana, I thought it prudent to begin to make contact with you regarding these oil and gas proposals that you periodically mail out to us field biologists.

I had a nice visit with your supervisor, Monte Mason, this morning to try and get a better feel just exactly where DNRC is in the process of leasing lands for oil and gas development in southeast Montana. Monte explained to me that the notices you send out have only to do with the potential leasing of the specified state school trust lands and not the actual mine development. If in fact a mine company decides to actually begin prospecting, then a further environmental review would take place.

It is at this point that a site-specific review and environmental analysis of the impacts to wildlife and wildlife habitat would take place. I believe this is where Montana Fish, Wildlife and Parks (MFWP) would probably be of the greatest value in determining what impacts would occur to that site or sites.

Monte also explained to me that applying for a lease in no way means that a hole will ever be drilled. In the contrary, Monte mentioned that out of 33,000 leases applied for, only 2,200 are still in existence; and out of those, only 467 are in production. I am sure you know all this, but it was very informational to me; and other field biologists would benefit from this information as well.

Nonetheless, I have looked through the list of leases for June 2000 in my area and will offer a few comments.

Those state leases in Big Horn county are in a general area where considerable methane gas and coal development are already in progress or are being considered (Decker Coal, Spring Creek Coal, Sandstone, Pennaco). This area also happens to be the very best sage grouse habitat in the extreme southeast part of Montana. MFWP and the Bureau of Land Management are currently cooperating on a special sage grouse lek inventory of this area because we are so concerned about all the potential mine activity.

85 R58E
→
5 ec. 16

Sage grouse lek surveys have been flown here for several decades and in areas where coal development has been the greatest, the sage grouse leks have generally become extinct. In addition, this portion of Big Horn County has the best sage brush/grassland habitat in the southeast part of MFWP Region 7 and has excellent year-round habitat for both mule deer and pronghorn antelope. I personally am very interested in any further mine activity in this area because of its high value for these species as well as other species associated with the sage brush/grassland habitat. *Deer, antelope, and sage grouse are not T&E species. They have a MT-NHP ranking of (G5, S5). However, the TLMD contact DFWP stipulation will be added to the Big Horn County tracts on the June 7, 2000 MT oil and gas lease sale due to DFWP interest.* Those leases listed for Carter County also contain some very good to excellent habitat, especially application number 5098 (Black Point) on Thompson creek. This area has very high numbers of both species of deer plus numerous antelope. Many antelope travel to winter here when snows become deep and the weather is especially bad. *The TLMD contact DFWP stipulation will be added to this tract's lease for deer and antelope. Note: Deer and antelope are not T&E species. They have a MT-NHP ranking of (G5, S5).* Adding to this, bentonite has been actively mined here for the past half-dozen years or so and much of the prime habitat has already been destroyed (at least temporarily). It remains to be seen what the ultimate effect on the antelope population will be – not knowing what the mitigation or reclamation will entail. This area has been surveyed annually for over 20 years and only recently have we seen the population in this specific area decline dramatically. It is simply because the habitat has been totally destroyed. I personally would advise great caution in recommending any further mine development in this area because so much has already taken place and the results will obviously require extreme mitigation measures that may never replace what has been lost.

Those tracts listed in Custer County are all in prime mule deer habitat and provide good antelope and sage grouse habitat as well. Before any mining actually takes place in these tracts, thorough wildlife and habitat inventories should be taken just to see how much mitigation would be necessary. *Deer, antelope, and sage grouse are not T&E species. They have a MT-NHP ranking of (G5, S5). However, the TLMD contact DFWP stipulation will be added to the Custer County tracts on the June 7, 2000 MT oil and gas lease sale due to DFWP interest.* Thank you for the opportunity to make these initial comments on the oil and gas applications. If any of these tracts (or others in my area – southeast Montana) actually begin to have physical exploration or if mining is ever initiated, I request that MFWP be contacted for a more in depth analysis and review of potentially impacted wildlife and wildlife habitat.

Sincerely,


Gregory L. Risdahl, Wildlife Biologist

c. John Ensign
Don Hyypa

Species Information

Odocoileus hemionus
Mule Deer (Cervidae)

status

Heritage Program Status and Ranks

Global Rank: G5
State Rank: S5

Agency Status

USFWS: none
USFS: none
BLM: none
MT FWP: Game Animal

distribution

County distribution information is currently not available

life history

Food Habits

Herbivore

Migration/Breeding

Breeds in Montana
Winter resident of Montana

Phenology

Circadian
Crepuscular

Presence and Activity in Montana

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Activity	a	b	a	b	a	b	a	b	a	b	a	b
Present	[Solid black bar]											
Active	[Solid black bar]											
Reproducing												

a = first half of month; b = second half of month

additional information

References

[Species Information Search – Fishes](#) | [Amphibians and Reptiles](#) | [Birds](#) | [Mammals](#) | [Invertebrates](#) |
[Bird Lat/long Search](#) | [Field Guide Search](#) | [Photo Gallery Search](#)

DATA SOURCE: [Biological Conservation Database](#)

LAST UPDATED: July 1, 2001

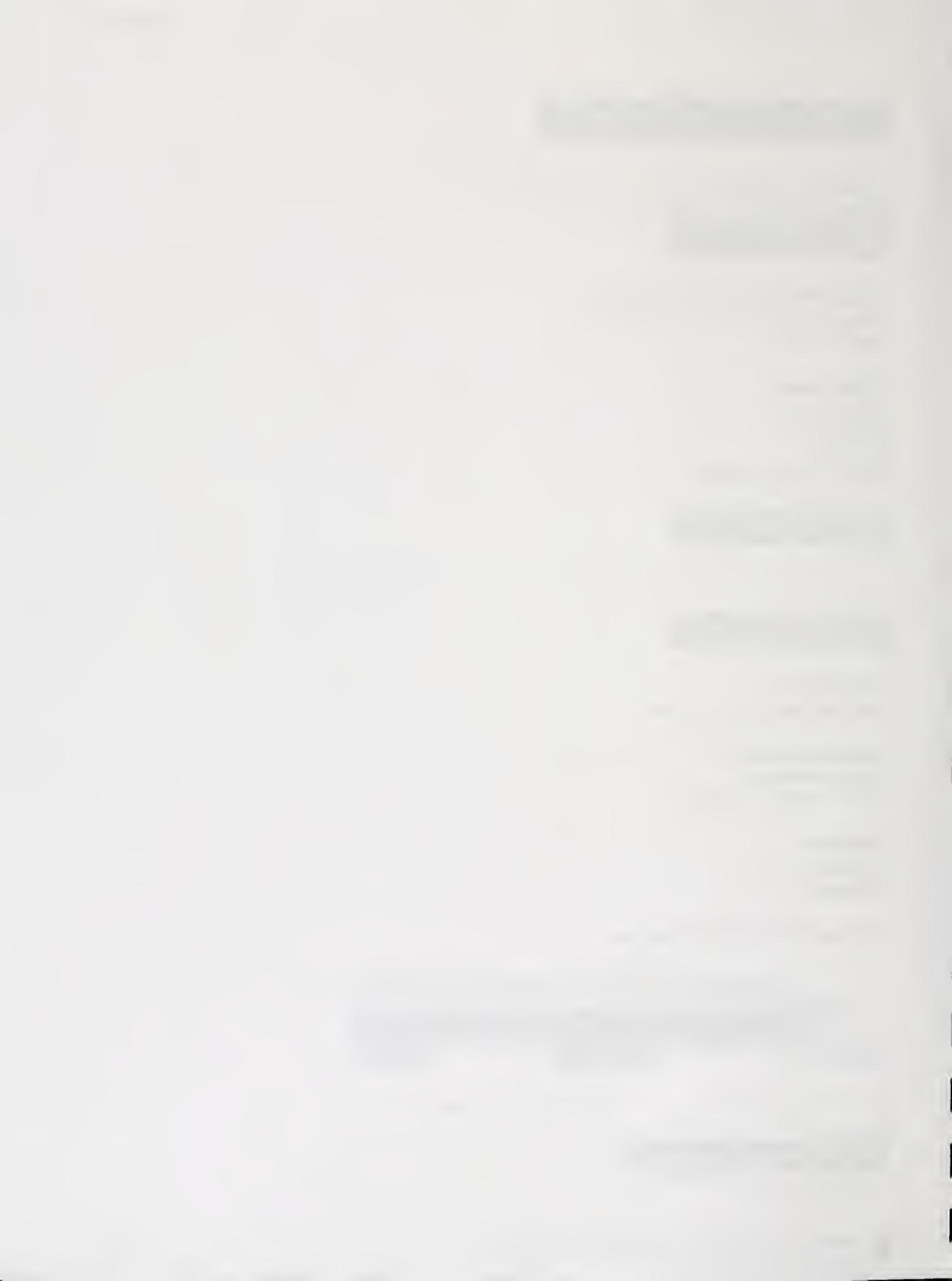
Image created with [gd 1.2](#) software from [Quest Protein Database Center](#), Cold Springs Harbor Lab.

© 1997- 2001 Montana Natural Heritage Program
Please send comments to: mtnhp@state.mt.us

Montana Natural Heritage Program
PO Box 201800
1515 East Sixth Avenue
Helena, MT 59620-1800

(406) 444-3009
Fax: (406) 444-0581





References

[Species Information Search](#) – [Fishes](#) | [Amphibians and Reptiles](#) | [Birds](#) | [Mammals](#) | [Invertebrates](#) |
[Bird Latilong Search](#) | [Field Guide Search](#) | [Photo Gallery Search](#)

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LAST UPDATED: July 1, 2001

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Montana Natural Heritage Program

PO Box 201800

1515 East Sixth Avenue

Helena, MT 59620-1800

(406) 444-3009

Fax: (406) 444-0581



Species Information

Antilocapra americana
 Pronghorn (Antilocapridae)

status

Heritage Program Status and Ranks

Global Rank: G5

State Rank: S5

Agency Status

USFWS: none

USFS: none

BLM: none

MT FWP: Game Animal

distribution

County distribution information is currently not available

life history

Food Habits

Herbivore

Migration/Breeding

Breeds in Montana

Winter resident of Montana

Phenology

Circadian

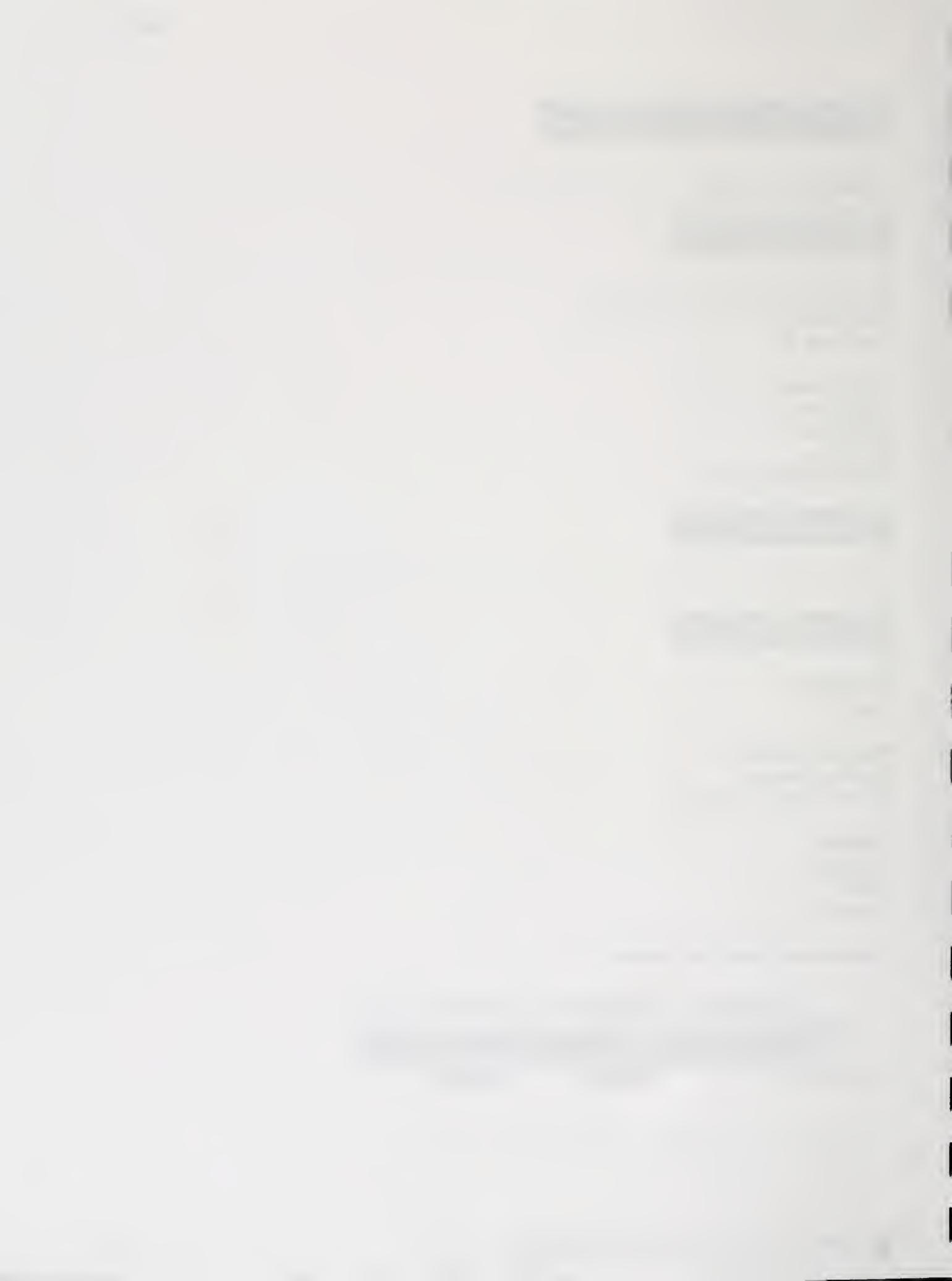
Diurnal

Crepuscular

Presence and Activity in Montana

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Activity	a b	a b	a b	a b	a b	a b	a b	a b	a b	a b	a b	a b
Present	[Solid black bar]											
Active	[Solid black bar]											
Reproducing												

a = first half of month; b = second half of month



additional information

References

[Species Information Search](#) – [Fishes](#) | [Amphibians and Reptiles](#) | [Birds](#) | [Mammals](#) | [Invertebrates](#) |
[Bird Latilong Search](#) | [Field Guide Search](#) | [Photo Gallery Search](#)

DATA SOURCE: [Biological Conservation Database](#)

LAST UPDATED: July 1, 2001

Image created with [gd 1.2](#) software from [Quest Protein Database Center](#), Cold Springs Harbor Lab.

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Please send comments to: mtnhp@state.mt.us

Montana Natural Heritage Program

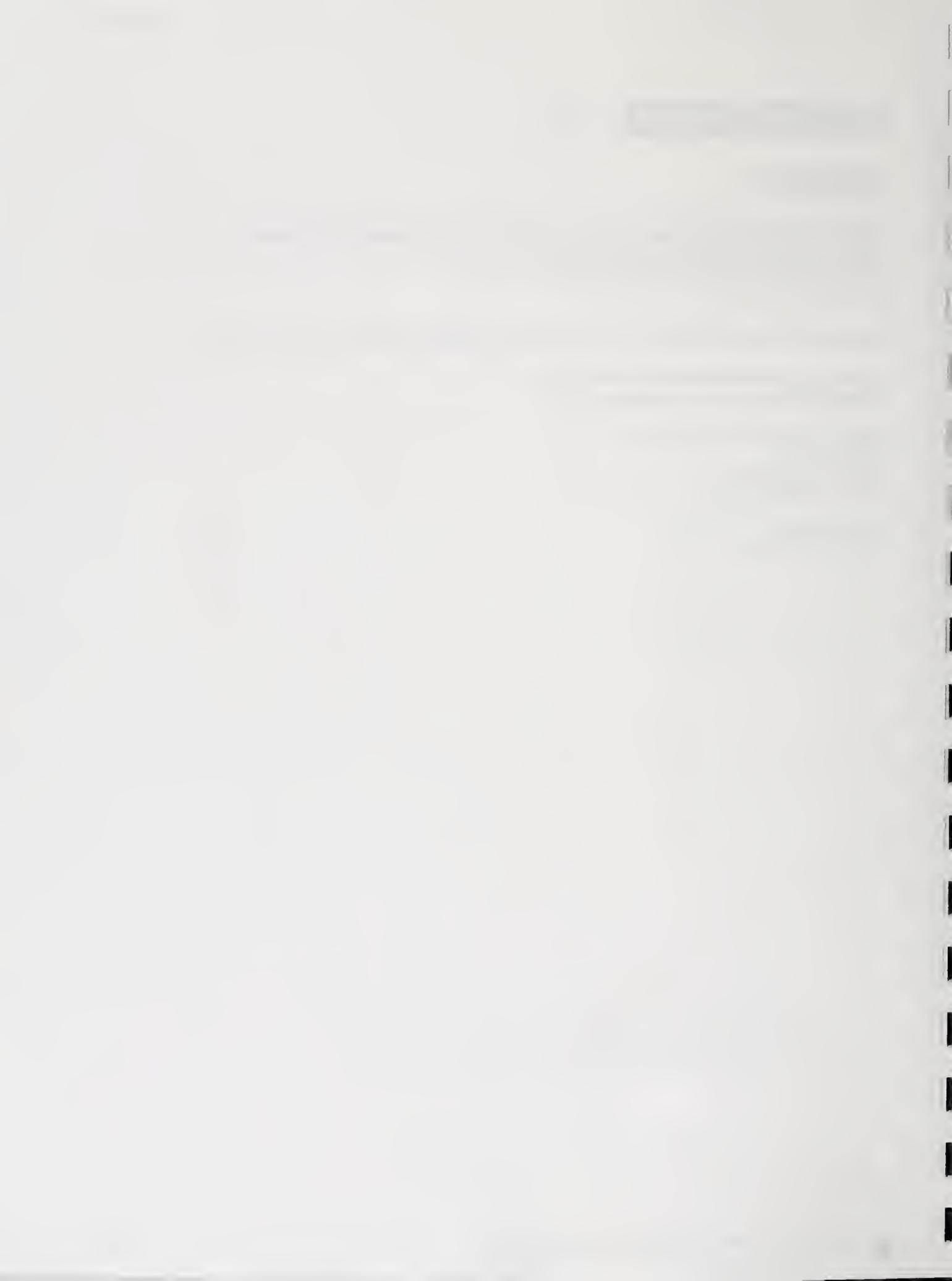
PO Box 201800

1515 East Sixth Avenue

Helena, MT 59620-1800

(406) 444-3009

Fax: (406) 444-0581



DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION



TRUST LAND MANAGEMENT DIVISION

JUDY H. MARTZ, GOVERNOR

1625 ELEVENTH AVENUE

STATE OF MONTANA

DIRECTOR'S OFFICE (406) 444-2074
TELEFAX NUMBER (406) 444-2684

PO BOX 201601
HELENA, MONTANA 59620-1601

June 28, 2001

MEMORANDUM

TO: Patrick Rennie, Archaeologist, Ag. & Grazing Management Bureau

FROM: Teresa Kinley, Hydrologist/Geologist, Minerals Management Bureau

Teresa Kinley

RE: September 5, 2001 State of Montana Oil and Gas Lease Sale

Please review the attached list of tracts for the upcoming oil and gas lease sale for cultural areas of concern. Prior to leasing, the Department complete an environmental assessment of the properties. One of the purposes of this assessment is to mitigate potential cultural concerns that could be affected by oil and gas exploration by adding stipulations to the leases. As usual the standard cultural stipulation will be placed on all tracts.

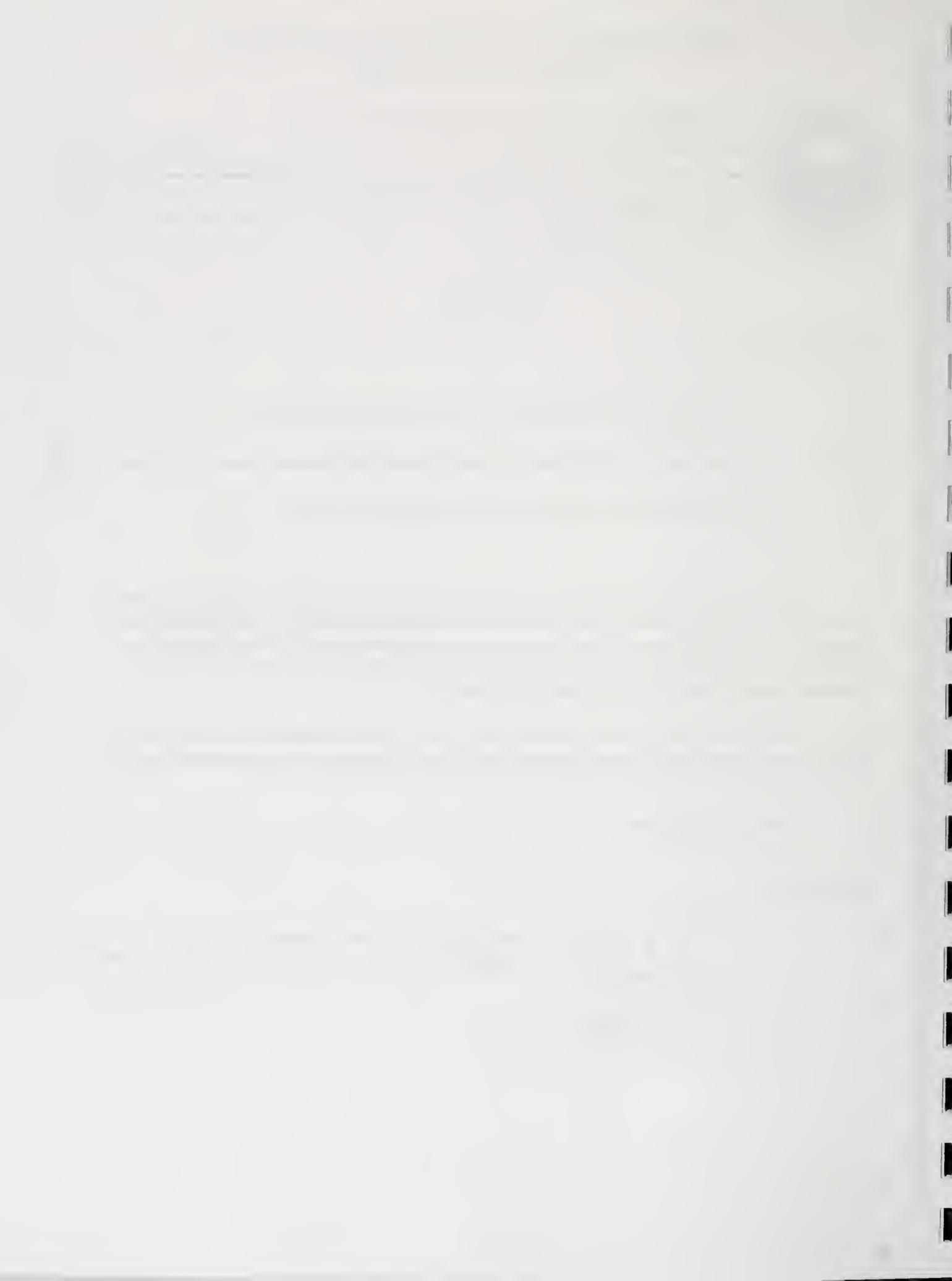
Let me know if there are any concerns which may require other stipulations on the leases. If you have any questions, please ask me or Monte Mason. Please return your comments by July 25, 2001.

Thank you for your help.

Attachment

Teresa:
Looks good. Go ahead and attach the standard archaeological stips to the lease agreement.

Patrick



Kinley, Teresa

From: Moore, Sharon
Sent: Friday, June 29, 2001 4:36 PM
To: Kinley, Teresa
Subject: September Oil Sale Comments

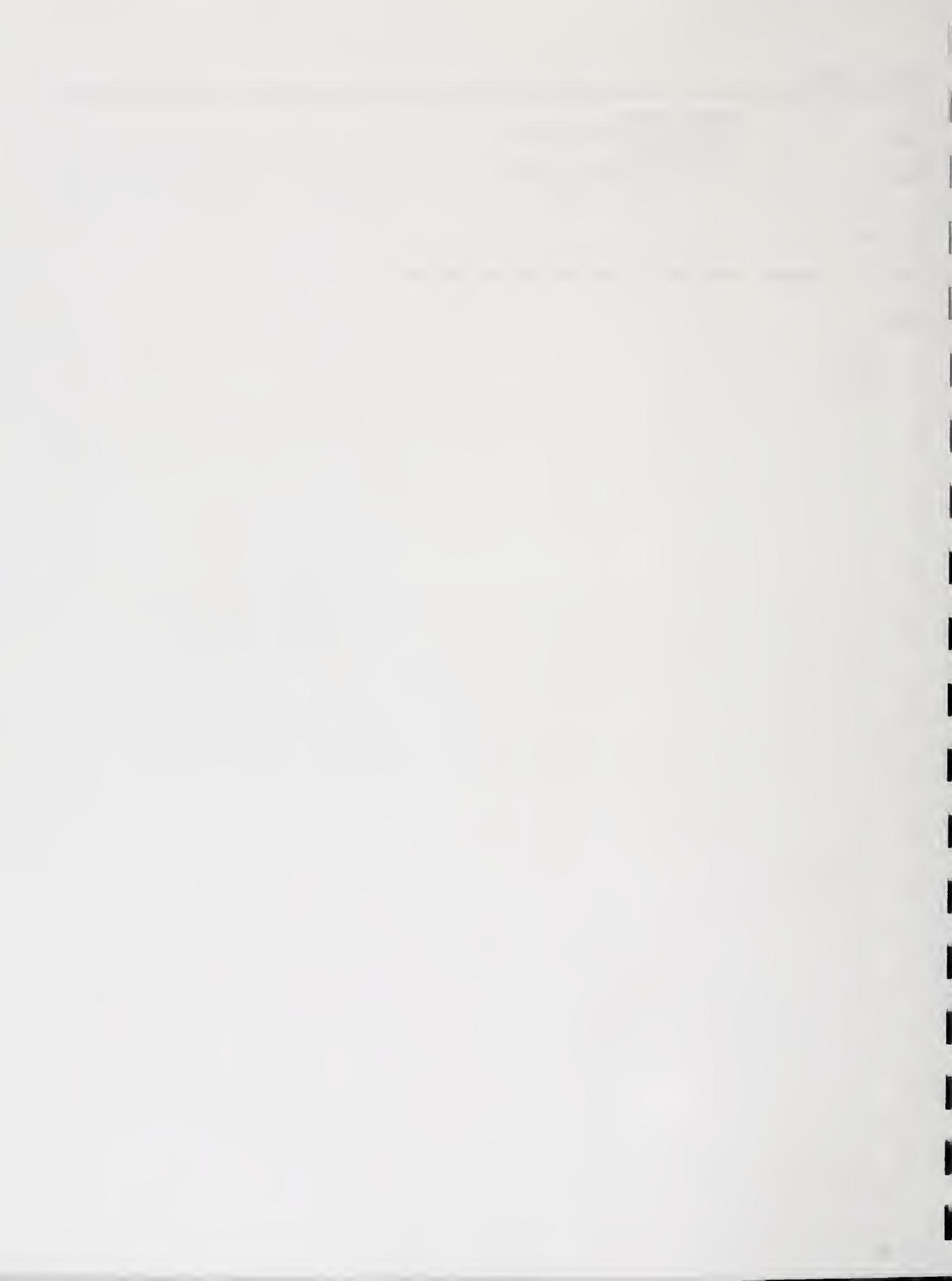
Hi Teresa,

Here are my comments. Please give me a call if you have any questions.

Sharon

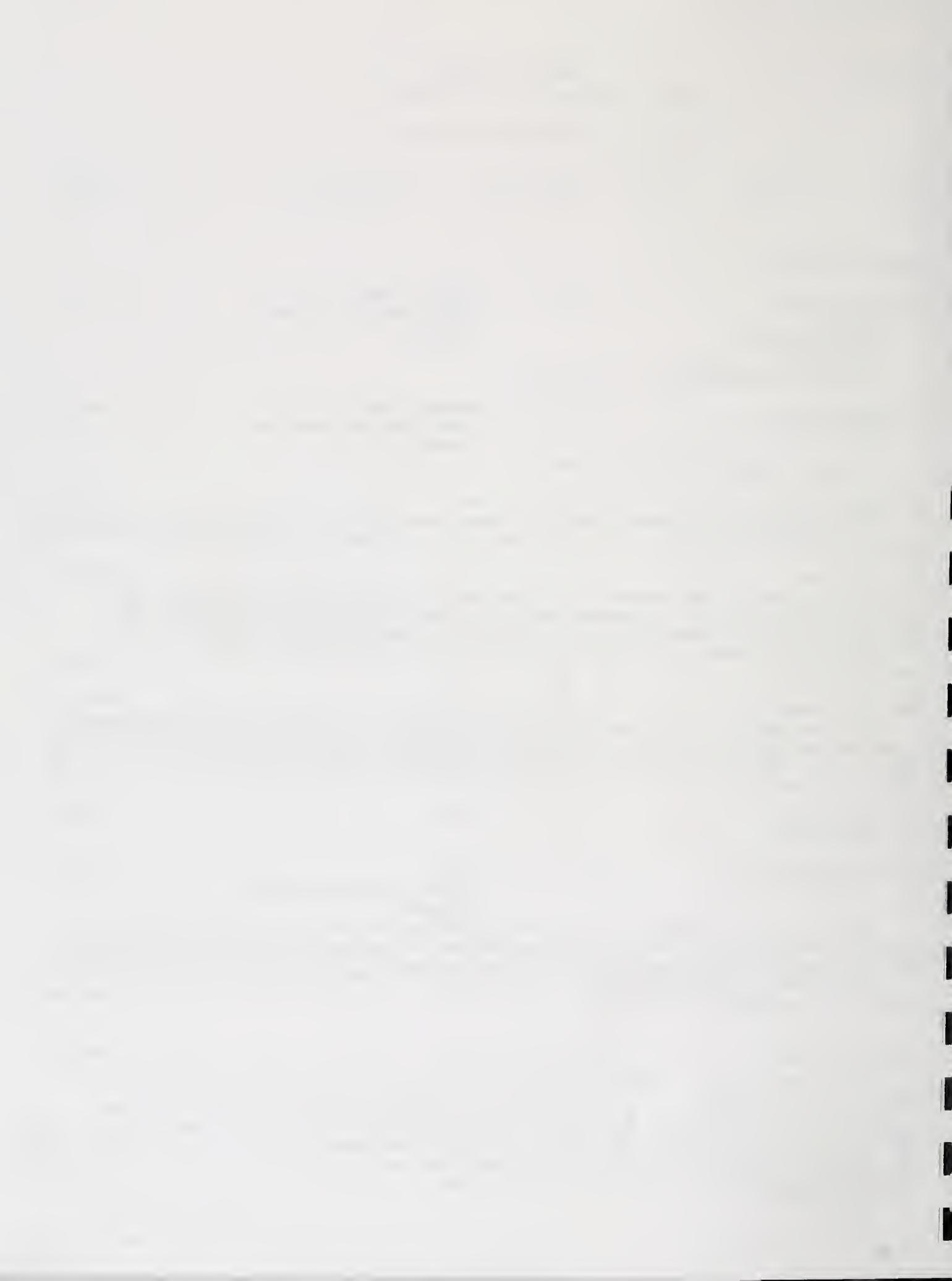


Sept Oil Sale.doc



HYDROLOGIST'S REPORT

APP#	TOPO	TWP	RGE	SEC	DESCRIPTION	ACRES
CARTER (ELO, FWP-7)						
5041	Lampkin Gulch Mill Iron Dutchman's Hill Flasted Hill	1.N	60.E	3	E2SW4, SW4SE4 STATE DOES NOT OWN THE SURFACE.	* 120.00
I have no information on this section.						
5042	Lampkin Gulch Mill Iron	1.N	60.E	10	NW4NE4, NW4 STATE DOES NOT OWN THE SURFACE.	* 200.00
I have no information on this section.						
5043	Lampkin Gulch	1.N	60.E	16	ALL	640.00
This section is all grazing land with three reservoirs. The stream, reservoir, etc. buffer stipulation will be utilized on this tract. Some of the soils are erosive.- Covered by base stip #1.						
5044	Mill Iron	1.N	60.E	36	ALL	640.00
This section of land borders the Custer National Forest and needs to have the sensitive stipulation. It is grazing land with steep erosive soils and timber. The section would provide important wildlife habitat and excellent hunting opportunities. The sensitive areas stipulation will be utilized on this tract's lease.						
+5081	Black Point	7.S	57.E	36	ALL	640.00
5001	Black Point NE	7.S	58.E	16	ALL	640.00
This section is all grazing land with erosive soils. The middle fork of Cottonwood Creek runs through the section. The stream, etc. buffer stipulation will be utilized on this tract's lease. Erosive soils covered under base stip #1 and addition of the unstable soils stip to this tract's lease.						
+5082	Black Point NE	7.S	58.E	36	ALL	640.00
+5083	Greasy Hill Black Point	8.S	57.E	16	ALL	640.00
5084	Cochran Reservoir	8.S	57.E	36	ALL STATE DOES NOT OWN THE SURFACE.	* 640.00
This section is probably mostly grazing land but may have some dikes with hay land. The south fork of Willow Creek runs through the section and probably has trees and shrubs. There is a really large reservoir on the adjoining section that is used for irrigation. The stream, etc. buffer stipulation and the avoid wooded areas stipulation will be utilized on this tract's lease.						
+5085	Black Point NE	8.S	58.E	16	ALL	640.00
5086	Gomer Draw	8.S	58.E	36	ALL	640.00
This section is all grazing land. There is a large sheep barn and corrals on the section and one stockwater pit. The soils are erosive. There is a large and smaller powerline on this section along with a highway dividing the section. There are a few prairie dogs on the section. The standard noxious weed stip should cover the Canada thistle that is present. This weed stip is placed on all leases. The TLMD etc MDFWP stipulation will be utilized on this tract's lease. The stream, reservoir, etc. buffer stip and the unstable soils stip will be utilized on this tract's lease.						
5087	Black Point NE Alzada NW	8.S	59.E	16	ALL	640.00
Powerline covered by op. plan review						



This section is all grazing land with some erosive soils. Water sources include three pit reservoirs. *Erosive soil covered under basic stip #1. In stream, reservoir, etc. buffer stip. will be utilized on this tract.*

5088 Alzada 8.S 59.E 36 LOTS 1 THRU 7, W2NE4, NW4, N2SW4, NW4SE4 612.46

This section is all grazing land with erosive soils. Willow Creek runs through this section and has a deep channel that would be difficult to develop crossing for. There is a serious Canada thistle problem on this section along the creek area but I think the standard weed stipulation would be adequate since development is restricted close to the creek. *The stream buffer stipulation will be utilized on this tract's lease. The steep topography unstable soils stipulation will also be utilized on this tract's lease. The standard weed stip is placed on all leases.*

5003 Hammond SE 9.S 56.E 16 E2E2, NW4NE4, SE4NW4 240.00

This tract is all grazing land with some erosive soils. *Erosive soils covered by basic stip #1.*

5004 Hammond SE 9.S 56.E 36 LOTS 1 THRU 12, N2 839.56

This section of grazing land has some really poor erosive soils. North Fork of Thompson Creek runs through the section. Standard weed stip should cover presence of Canada thistle. *The stream buffer stipulation and the unstable soils stipulation will be utilized on this tract's lease. The standard weed stip is placed on all leases.*

5005 Hammond SE 9.S 57.E 16 ALL 640.00

Cochran Reservoir

This section is all grazing and has some really poor erosive soils. There are two reservoirs present. An oil pipeline runs through the section. *Pipe line covered by basic stip 1 operating. The stream, reservoir, etc. buffer stipulation and the unstable soils stipulation will be utilized on this tract's lease.*

5006 Cochran Reservoir 9.S 57.E 36 LOTS 1 THRU 12, N2, N2S2 865.76

This section of grazing land has erosive soils and there is one dam present. *The unstable soils stipulation and the stream, dam, etc. buffer stipulation will be utilized on this tract's lease.*

5089 Cochran Reservoir 9.S 58.E 16 ALL 640.00

Gomer Draw

This section is all grazing land with some really poor erosive soils. Thompson Creek runs through the section and there are some dikes along the creek that are occasionally hayed. Standard noxious weed stip should cover Canada thistle. *This weed stip is placed on all leases. The stream, etc. buffer stipulation and the unstable soils stipulation will be utilized on this tract's lease.*

5090 Gomer Draw 9.S 58.E 36 LOTS 1 THRU 18, NW4, N2SW4 877.60

This section has active bentonite mining and any development would need to be coordinated with that activity. The soils on this section are really poor and very erosive, some areas are old bentonite mining areas that were pre-existing reclamation laws. We are in the process of issuing a wetland easement to MDT on this tract and we would need to have a contact stip for their agency. Lisa has a copy of the stipulations on that wetland easement if you want to take a look at it. We reserved mineral rights but gave up surface occupancy. They had to pay us for the bentonite. This is the only section in our area that I am aware has burr oak trees on it. There are also juniper trees and it is rather unique for our area. There are several stockwater pits and/or wetland areas on this section along with a small creek. It is used for grazing in addition to mining. *The avoid wooded areas stipulation, the stream, etc. buffer stipulation will be utilized on this tract's lease. as well as the unstable soils and prior existing bentonite lease stipulations.*

5091 Alzada 9.S 59.E 16 ALL 640.00

This section of grazing land has some erosive soils. In good years some areas of the lease are cut for hay. Thompson Creek runs through this section and has a deep channel with a lot of nice brush and trees. There is a stockwater pipeline. *Soils covered by basic stip #1. The stream, etc. buffer stipulation and the avoid wooded areas stipulations will be utilized on this tract.*

5092 Alzada 9.S 59.E 36 LOTS 1, 2, 3, 4, N2, N2S2 * 664.40

STATE DOES NOT OWN THE SURFACE IN LOTS 2, 3, 4.

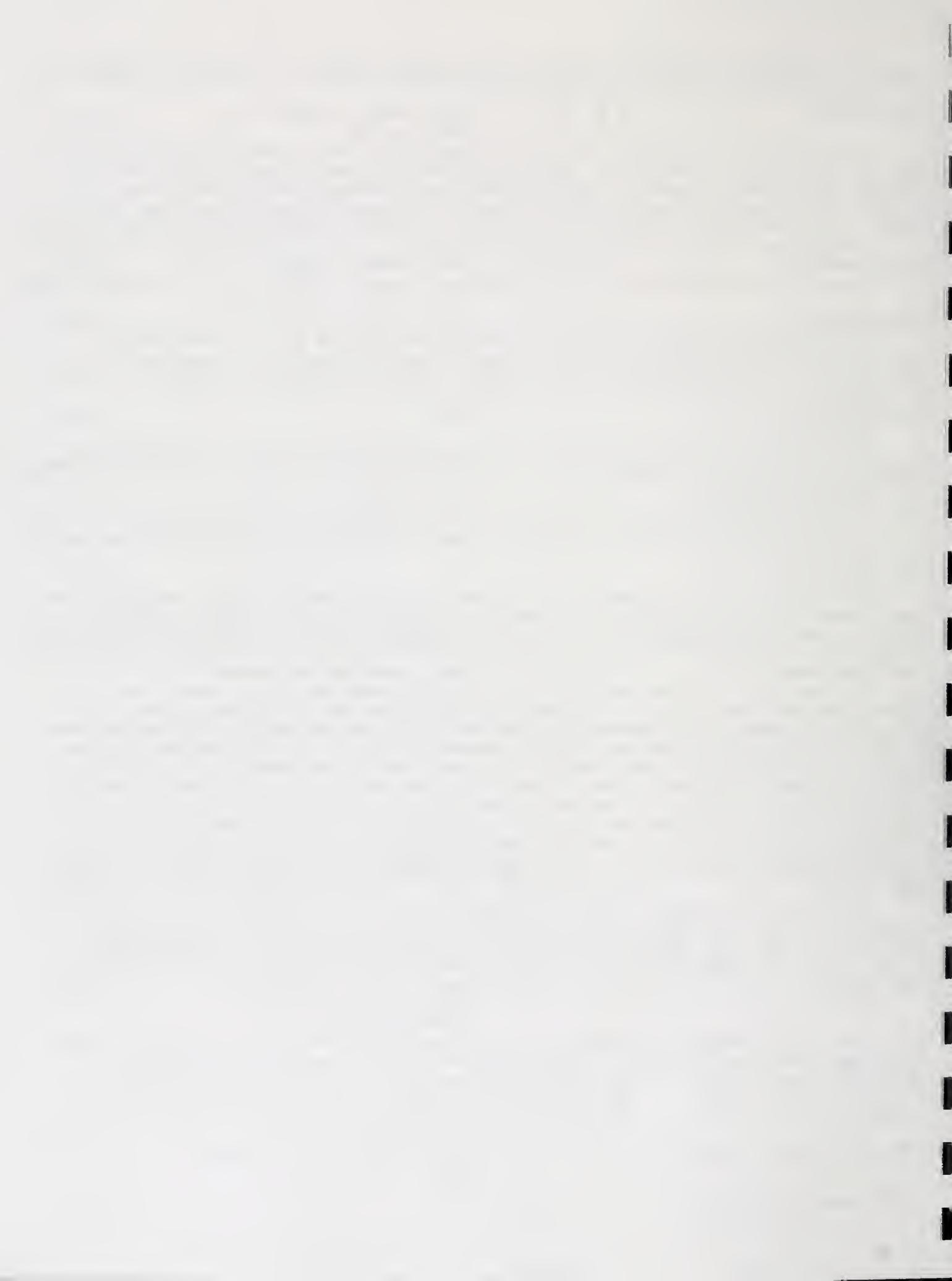
The Little Missouri River runs through this section of grazing land, there are nice trees and shrubs along the river. Banks along the river are steep and it would be difficult to put a crossing in the river. The rest of the section has poor erosive soils.

The avoid wooded areas stip, the river buffer stipulation and the unstable soils stipulations will be utilized on this tract's lease.

POWDER RIVER (ELO, FWP-7)

+5101 North Stacey School 1.S 47.E 10 SW4NE4, NW4, SW4SW4, E2SW4, SE4 480.00

+5102 North Stacey School 1.S 47.E 16 ALL 640.00



Stacey

+5103 Stacey 1.S 47.E 36 ALL 640.00
Elk Ridge

RICHLAND (ELO, FWP-6)

5009 Elmdale SW 24.N 53.E 16 ALL 640.00
This section has 439.2 acres of cropland with the remainder being grazing.

5010 Elmdale SW 24.N 53.E 19 E2 320.00
This tract has 265 acres of cropland with the remainder being grazing. The east fork of Redwater Creek runs through the tract. *The stream buffer stipulation will be utilized on this tract's lease.*

5011 Carda Coulee 24.N 53.E 36 ALL 640.00
This section has 131.6 acres of cropland with rest being grazing. The grazing land has some erosive hills. There is a creek running through the section with a spring and dam. *Erosive hills covered by basic stip #1. The stream, spring, dam, etc. buffer stipulation will be utilized on this tract's lease.*

5012 Duplisse Creek North 25.N 52.E 16 ALL 640.00
This section is all grazing land with rolling hills and wooded draws. There is a stockwater pipeline for water. *The avoid wooded areas stipulation will be utilized on this tract. Pipeline covered by site specific review.*

5013 Elmdale NW 25.N 52.E 26 N2NE4, SE4NE4, E2NW4, SW4NW4, N2SW4 320.00

There are 232.9 acres of cropland with the rest being grazing. There are some erosive soils on the grazing land. Remnants of an old homestead. *Erosive soils covered by basic stip #1. The cultural resources stip. is placed on all tracts.*

5014 Elmdale NW 25.N 52.E 36 ALL 640.00
Elmdale SW

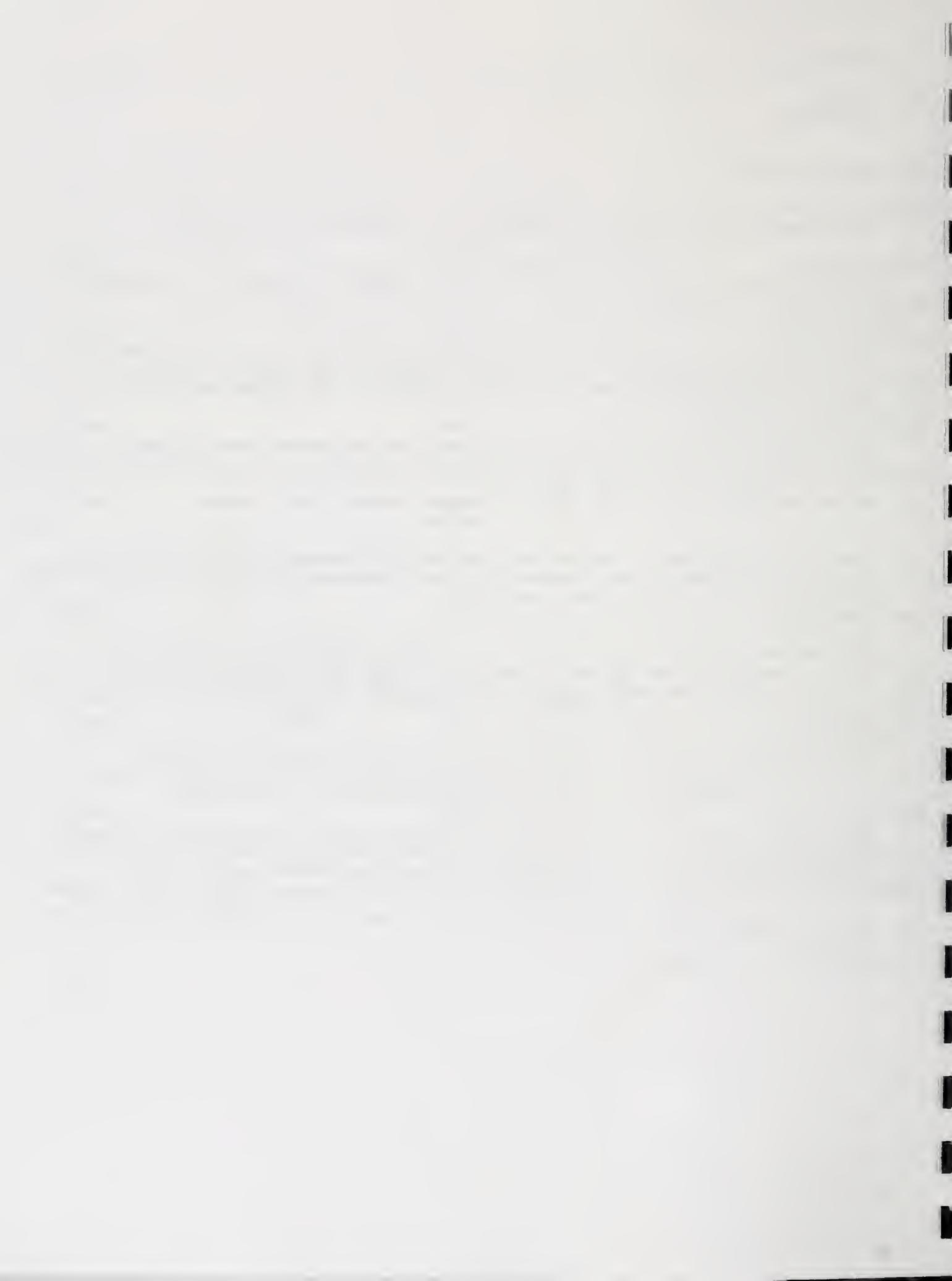
This section is all grazing land with some erosive shallow hills. Water sources include a stockwater pipeline and dam. There is an old county building that may be a historic site. *The stream buffer, reservoir, dam, etc. buffer stip. will be utilized on this tract. The cultural resources stip. is placed on all tracts. Erosive shallow soils covered by basic stip #1*

5007 Blue Hill 25.N 56.E 16 ALL 640.00
Andes

This section has 478 acres of cropland with the remainder being grazing land. Standard noxious weed stipulation should cover leafy spurge present in southwest corner. *Comment noted. Weed stipulation utilized on all tracts.*

5025 Elmdale NW 26.N 52.E 36 ALL 640.00

This section has 119.7 acres of cropland with the remainder being grazing land with rolling hills and erosive soils. You may want to visit with Patrick on this section. There is an extensive archaeological site on this section that may require contracting an archaeologist and performing detailed analysis prior to development. *Patrick indicated that the standard cultural resources stipulation is ok for this section. ^{Furthering} Site-specific review would ^{also} address arch. concerns.*



DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

EASTERN LAND OFFICE

RECEIVED

JAN 11 1999

D.N.R.C.

PO BOX 1794

MARC RACICOT, GOVERNOR



STATE OF MONTANA

OFFICE: (406) 232-2034
FAX: (406) 232-3807

321 MAIN
MILES CITY, MONTANA 59301-1794

MEMORANDUM

TO: Teresa Kinley, Hydrologist/Geologist, MMB
FROM: Sharon Moore, Land Use Specialist *Sharon*
DATE: December 29, 1998
RE: March 3, 1998 OIL & GAS SALE

The tracts included in this sale are in a lot different terrain than sections that we've seen previously in the Sidney, Glendive and Baker areas. A lot of the tracts in Powder River County are near the Custer National Forest and include timber.

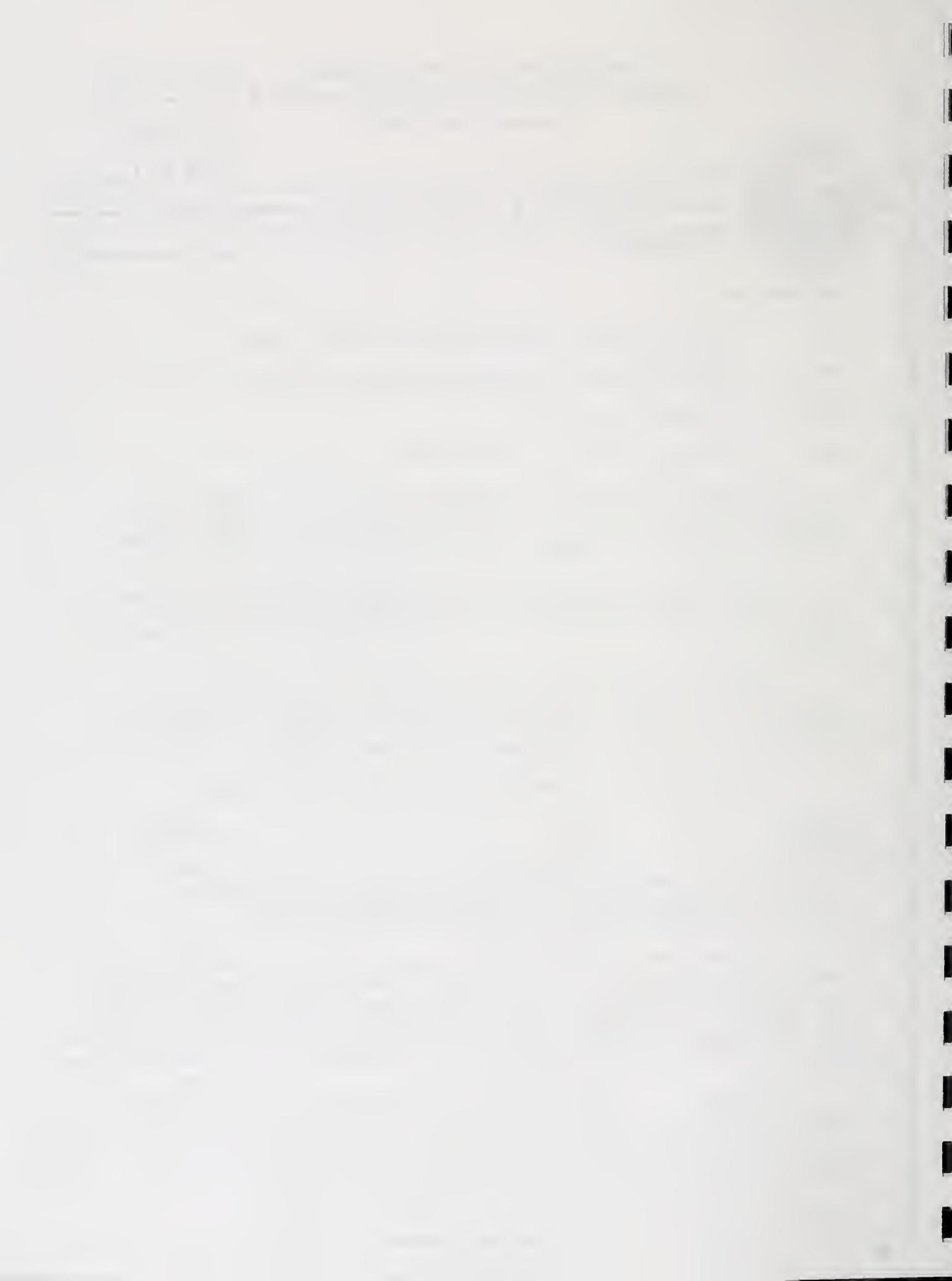
Many of these sections are very scenic in addition to being very rough. They provide excellent habitat for deer and elk. This is one of the few areas in our Land Office area that has elk present.

Conducting seismic activity and even oil development may result in some restrictions because of the terrain. Soils in these areas are often fragile. I'll be in Helena on Monday and Tuesday if you want to discuss this in more detail.

The following are comments for tracts up for lease:

APP#	LEGAL	ACRES
CARTER		
→ 5009	36-7S-57E ALL	640
	This is a section of all grazing land. Water sources include a <u>stockwater pit</u> and <u>South Cottonwood Creek</u> . <i>The stream, etc. buffer stipulation will be added to this tract's lease.</i>	
→ 5010	36-7S-58E ALL	640
	This section of land is all grazing land with some very poor shale soils that can be very erosive. There is a <u>stockwater dam</u> present and a <u>tributary</u> to Cottonwood Creek. There was a problem *in the past with noxious weeds, specifically Canada thistle along the creek area. <i>The stream, etc. buffer stipulation will be added to this tract's lease as well as the erosive (unstable) soils stipulation. The weed stipulation is placed on all leases.</i>	
→ 5011	16-8S-57E ALL	640
	This section of grazing land has the North Fork of Willow Creek running through it. There is a large overhead powerline and two gas or oil pipelines present. In the past there was a *real problem with Canada thistle along the drainage. <i>The stream, etc. buffer stipulation will be added to this tract's lease.</i>	
	<i>*Weeds are covered in base stipulations added to all leases.</i>	

*note
For File,
Base Stip
covers them*



→ 5012 16-8S-58E ALL 640
This section has 37 acres of hay land with the remainder being grazing land. There's a small intermittent drainage and 4 stockwater pits or dams. There has been a real problem on this section with Canada thistle and Musk thistle.

The stream, etc. buffer stipulation will be added to this tract's lease

POWDER RIVER

The weed stipulation is placed on all leases.

5047 36-3S-47E ALL 640
This is a rather rough section of grazing land that has Ponderosa Pine present. It borders the Custer National Forest. There are two intermittent drainages with two dams present.

The sensitive areas stipulation will be added to this tract's lease since it adjoins Custer National Forest per State Land Board direction

5048 30-3S-48E LOTS 1, 2, E2NW4, NE4 314.54
This tract is grazing land with a tributary to Pumpkin Creek running through it. The Ashland Highway also intersects this section. Historic sites include the remnants of an old homestead. *The stream, etc. buffer stipulation will be added to this tract's lease*
Cultural Resources are addressed in base Stips. Base stip covers Highway

5049 36-3S-48E ALL 640
This section of grazing land has some rather broken drainages running through it. The soils are very erosive. The highway cuts through the southwest corner.
The stream, etc. buffer stipulation will be added to this tract's lease along with the unstable soils stipulation. Base stip covers the highway

5050 36-4S-47E LOTS 1-16, W2 939.41
This section is all grazing land with quite a lot of timber present. Water sources include three developed springs which would need to be protected. Because of the steepness and roughness of the terrain there would probably be some physical limitations to seismic activity and oil development. Good habitat for deer and elk. *A corner of this tract adjoins Custer National Forest.*
The sensitive areas stipulation will be added to this tract's lease per State Land Board direction

5051 16-4S-48E ALL 640
This is a very rough rugged section of grazing land with Ponderosa Pine present. There may be some springs present but I didn't find them during my field review but with this rough country it's easy to miss one. There would be some physical limitations to seismic activity and oil development. Good habitat for deer and elk. *The stream, etc. buffer stipulation will be added to this tract's lease along with the avoid wooded areas stip. In addition, the lease will contain the unstable soil/steep topography*

5052 36-4S-48E ALL 640
This is a section of grazing land with some scattered Ponderosa Pine. There are two dams present and about a mile of stockwater pipeline. *The avoid wooded areas and streams, dams, etc. buffer stipulation will be added to this tract's lease.*

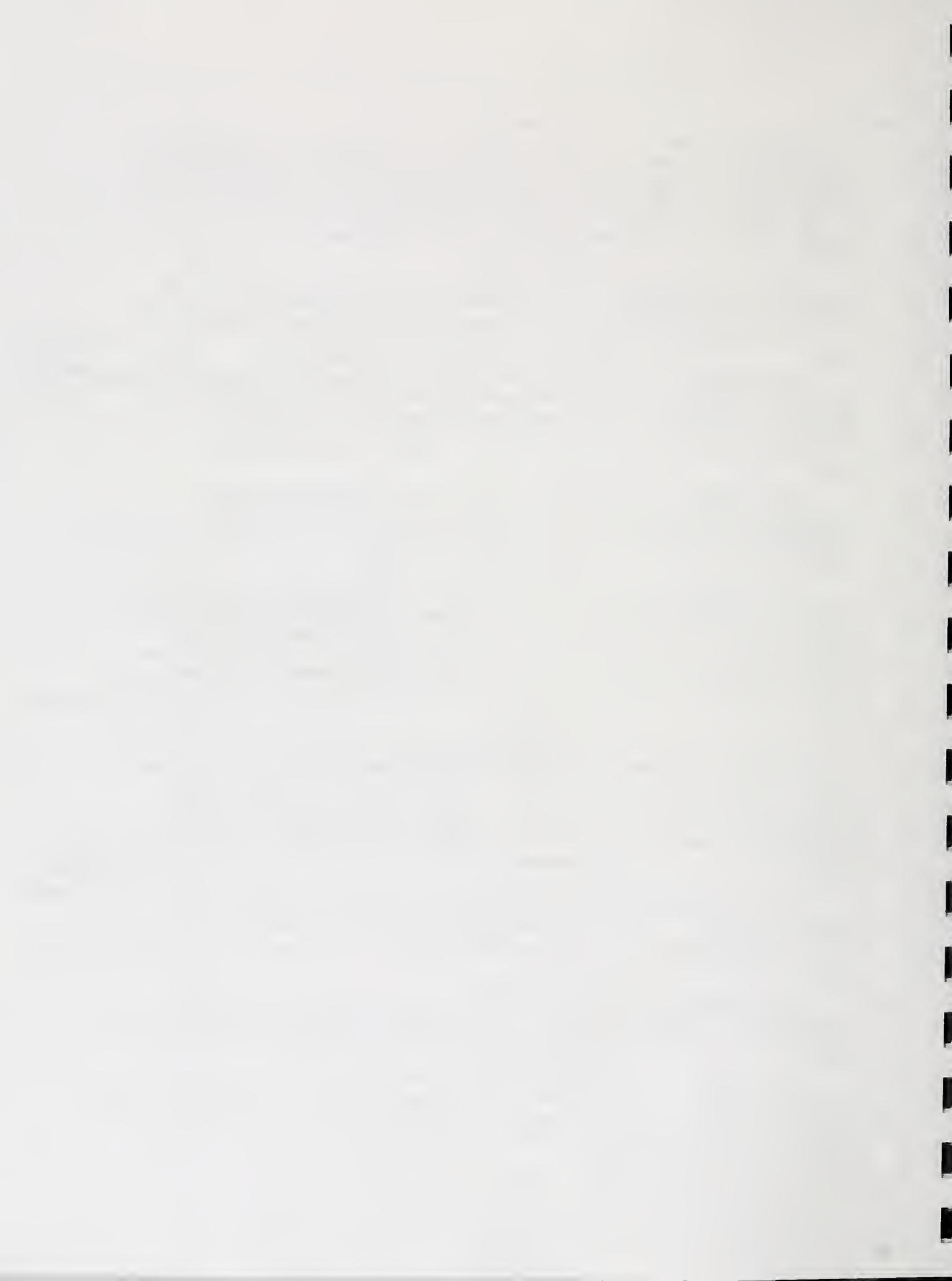
5053 16-4S-49E ALL 640
This section of grazing land has Two Tree Creek running through it. There is a well and windmill present for water also.
The stream, well, etc. buffer stipulation will be added to this tract's lease.

5045 18-4S-49E LOTS 3, 4, E2SW4, SE4 285.17
This section of land has a 59.9 acre hay field with the remainder being grazing land. Two Tree Creek, two reservoirs and a well provide water. There was a problem in the past with Canada thistle. Historic sites include the remains of a log building and homestead.

The stream, well, etc. buffer stipulation will be added to this tract's lease.

Weeds are covered in base stipulations added to all oil and gas leases.

* *The cultural resources stipulation is included on all MT oil and gas leases.*



Sharon Moore's Comments For 6/7, 2000 MT 0.1 & Gas Lease Sale.

 APP# TOPO TWP RGE SEC DESCRIPTION ACRES

5030 Forty Creek 3.N 52.E 16 ALL 640.00
 Bear Jaw Creek

This is a section of really rough grazing land with erosive soils. *The unstable soils and/or steep topography stipulation will be added to this tract's lease.*

5031 Mills Creek West 3.N 52.E 36 LOTS 1, 2, 3, 4, N2 534.80

This section of grazing land is really rough hills with very erosive soils. *The unstable soils and/or steep topography stipulation will be added to this tract's lease.*

5032 Bear Jaw Creek 3.N 53.E 16 ALL 640.00

This section is all grazing land, a combination of native and tame grass. Ash Creek runs through this section. There was a problem in the past with Canada thistle but standard weed stipulation should be adequate. There are erosive soils present. *The stream buffer stipulation and the unstable soils and/or steep topography stipulations will be added to this tract's lease.*

5033 Tepee Butte 4.N 53.E 36 LOTS 1,2,3,4,5,6,7,8,9, SW4NE4, W2, NW4SE4, and Powder River Bed and Related Acreage 640.00

This section is all grazing land with the Powder River running through it. Any development would have to prevent negative impacts to the river and hardwood bottoms along the river. There are noxious weeds present which should be covered standard weed stipulation.

The 1/8-mile river buffer stipulation will be added to this tract's lease as well as the avoid wooded areas stipulation.
 FALLON (ELO, FWP-7)

5102 Willard 5.N 59.E 24 E2 320.00

This tract of land has 68.7 acres of CRP, 132.4 acres of cropland, with the remainder being grass. There are two reservoirs along an intermittent drainage. Historic sites include an old homestead. *The CRP stipulation and the stream, reservoir, etc. buffer stipulation will be added to this tract's lease. The cultural resources stipulation is added to all MT oil & gas leases.*

5103 Webster NW 5.N 60.E 16 ALL 640.00

This section has 115.6 acres of hayland, the remainder is in grazing. The grazing land is a combination of sandy soils and badlands that are very erosive. There are some unique outcrops of rock along with an interesting assortment of rocks including petrified wood, scoria, agate, quartzite, and gravel. I found one broken point and a flake. There is also some red rock that may be fire cracked and from hearths. Potential is high for cultural sites because of the material present.

The cultural resources stipulation is added to all MT oil & gas leases. The unstable soils and/or steep topography stipulation will be added to this tract's lease

POWDER RIVER (ELO, FWP-7)

→ 5037 North Stacey School 1.S 47.E 10 SW4NE4, NW4, SW4SW4, E2SW4, SE4 480.00

This tract of land is all grazing with some erosive soils. There is a woody draw that has some undeveloped springs present. There is a prairie dog town. *The avoid wooded areas stip. and the stream, spring, etc. buffer stipulation will be added to this tract's lease. The ILMD contact DFWP stipulation will be added to this tract's lease.*

→ 5038 North Stacey School 1.S 47.E 16 ALL 640.00

This section is all grazing land with some steep erosive hills with Ponderosa Pine. There may be some access restrictions because of topography. Section is watered by a stockwater well. *The stream, well, etc. buffer stip. and the avoid wooded areas stipulation will be added to this tract's lease. The unstable soils and/or steep topography stip. will also be added.*

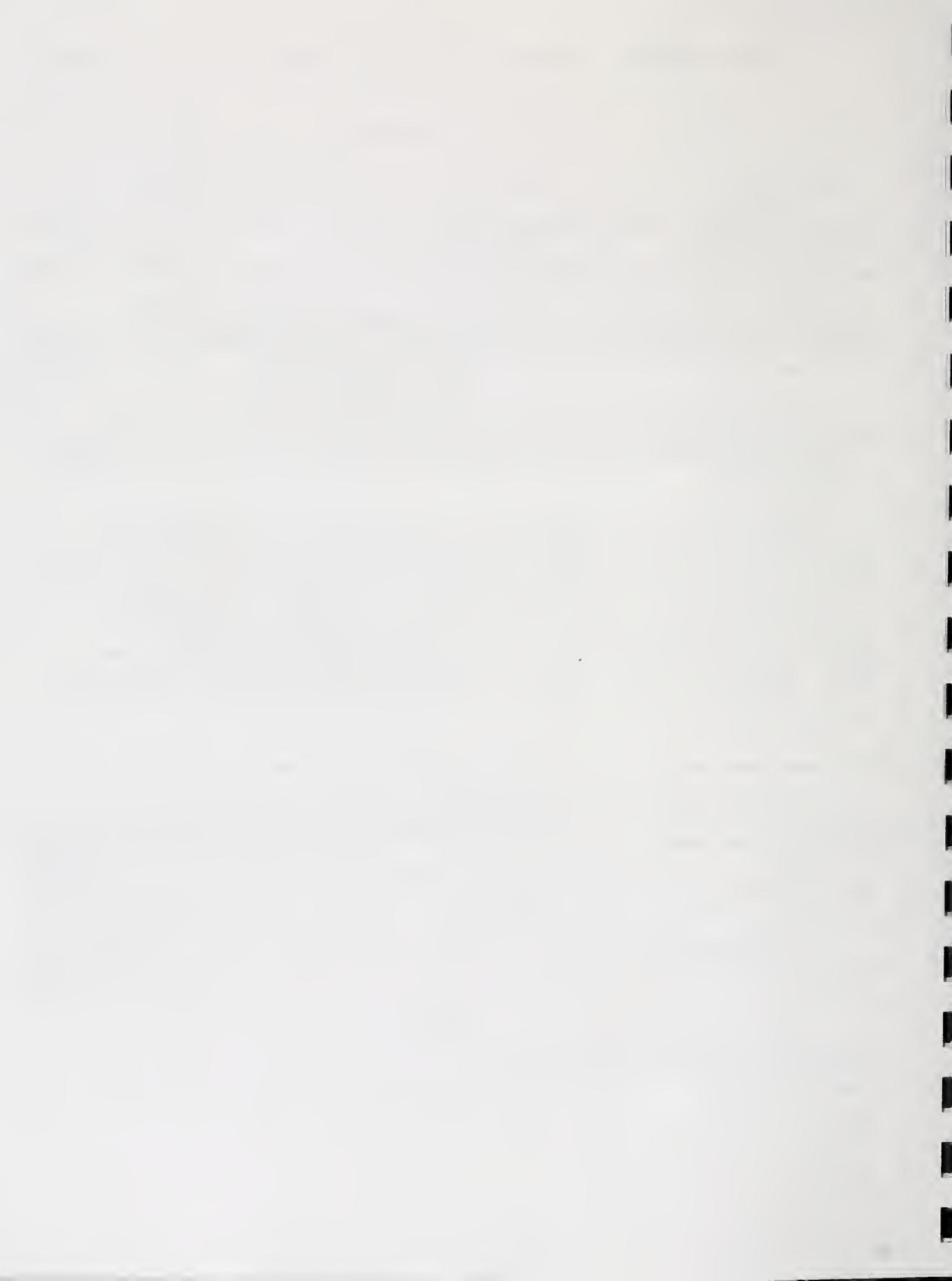
→ 5039 Stacey Elk Ridge 1.S 47.E 36 ALL 640.00

This section has really rough erosive hills with some Ponderosa Pine. May be some access restrictions because of topography. There is one reservoir and about a mile of stockwater pipeline. *This tract's adjacent to Custer National Forest. The sensitive areas stipulation will be added to this tract's lease per Land Board direction.*

5040 Stacey 2.S 47.E 16 S2 320.00
 STATE DOES NOT OWN THE SURFACE.

This tract of land appears to be primarily grazing land that is in or bordering the Custer National Forest. There are steep erosive hills with Ponderosa Pine. There may be a homesite or buildings present from looking at the topo map. There is also a creek present.

The sensitive areas stipulation will be added to this tract's lease per Land Board direction. Homesite or buildings are also covered under Section 28 of the lease.



RECEIVED

JUL 09 2001

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
NORTHEASTERN LAND OFFICE



STATE OF MONTANA

(406) 228-2430 Telephone
(406) 228-2439 FAX
co6593@state.mt.us
Hrichards@state.mt.us

GLASGOW UNIT OFFICE
PO BOX 1007
224 6 STREET SOUTH
GLASGOW, MONTANA 59230-1007

July 3, 2001

MEMORANDUM

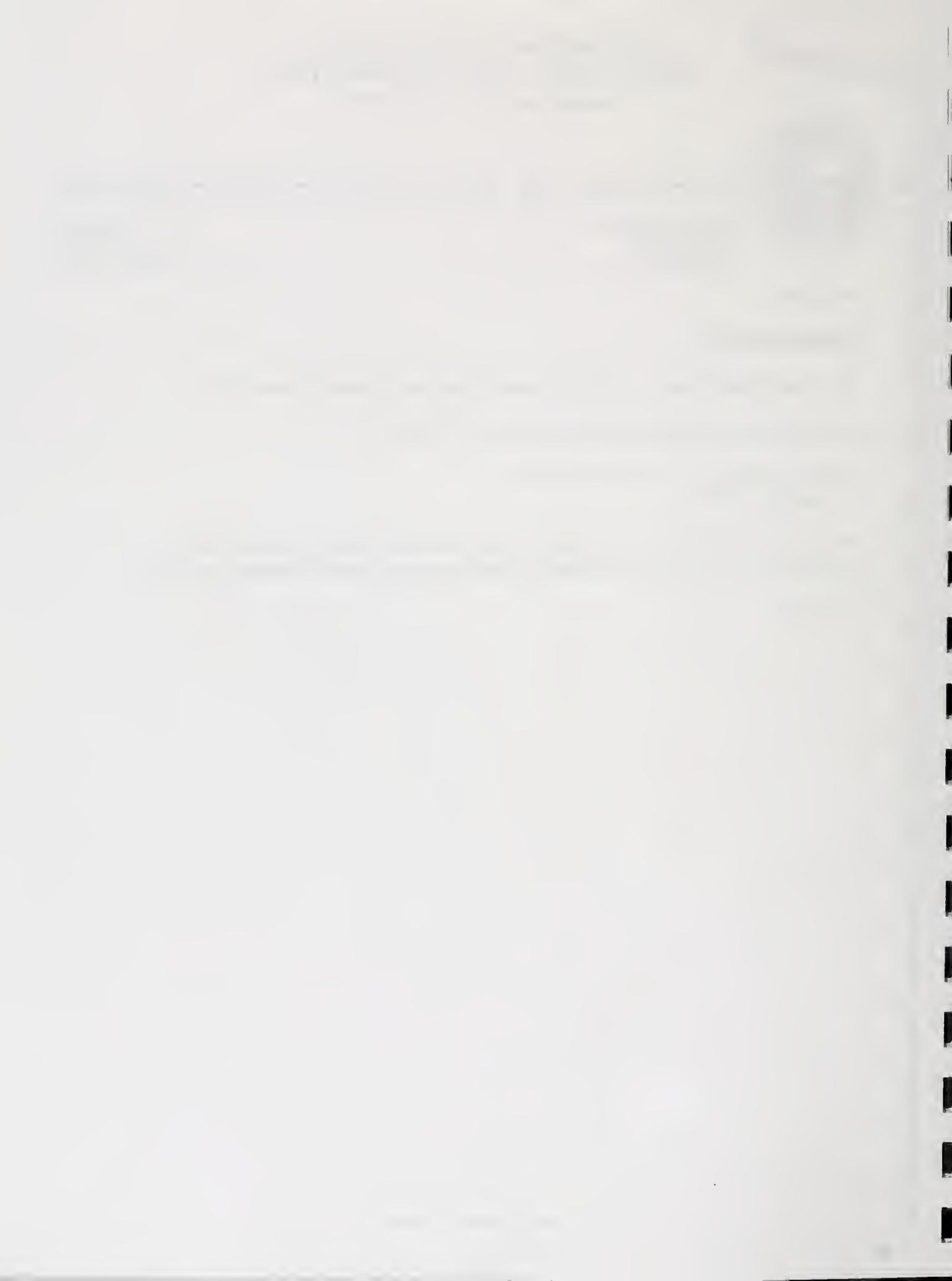
TO: Teresa Kinley, Hydro – Geologist, Minerals Management Bureau, Helena Office

FR: Randy Dirkson, Land Use Specialist, Glasgow Unit Office

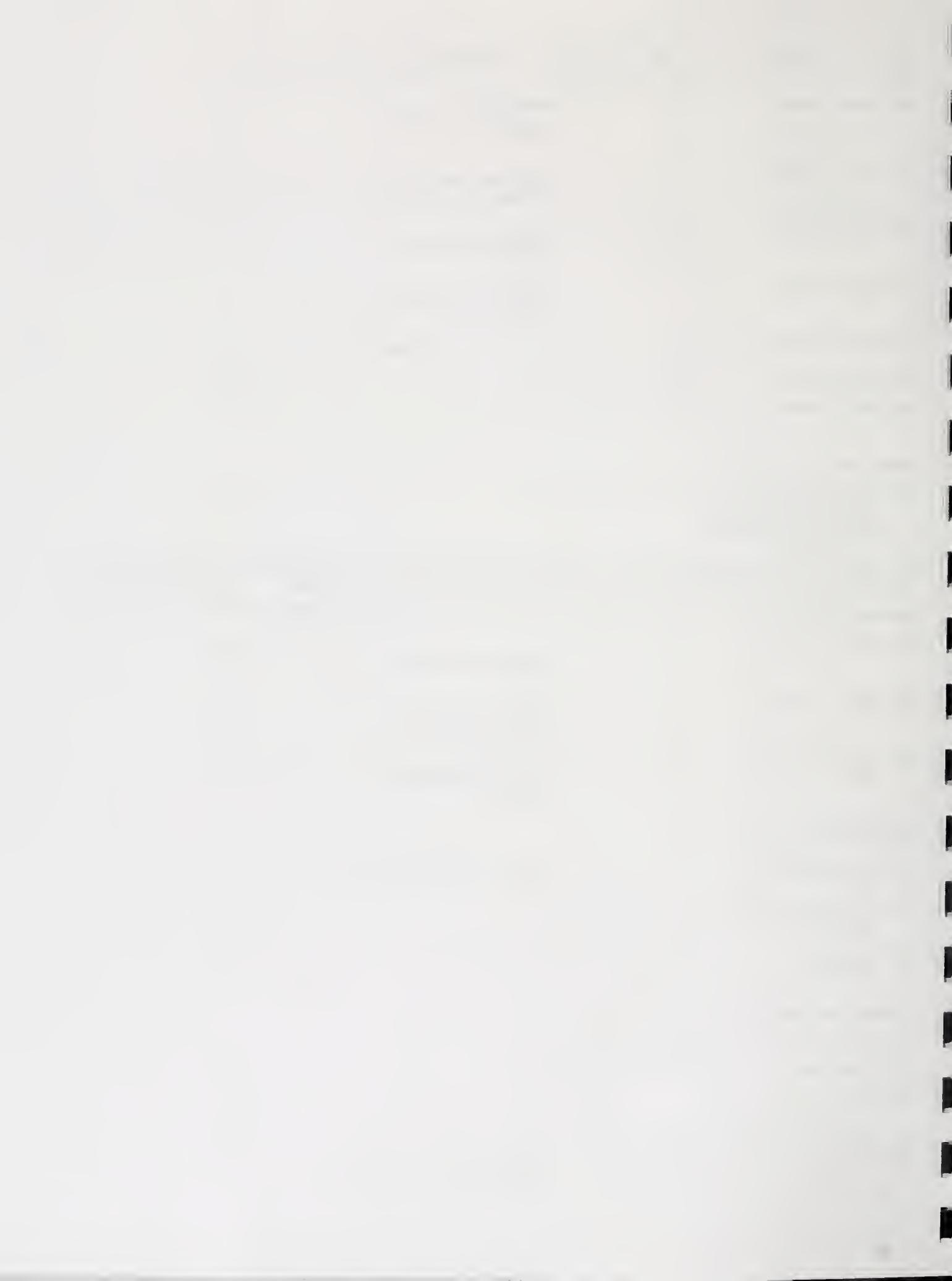
RE: State of Montana Oil and Gas Lease Sale
September 5, 2001

Attached is the information you requested for the upcoming Oil and Gas Sale to be held in September. If you should need additional information, please contact the Glasgow Unit Office.

CC: NELO



APP#	TOPO	TWP	RGE	SEC	DESCRIPTION	ACRES
5069	Penzer School	29.N	7.E	30	S2NE4, SE4 STATE DOES NOT OWN THE SURFACE.	* 240.00
5070	Penzer School	29.N	7.E	31	E2 STATE DOES NOT OWN THE SURFACE.	* 320.00
5071	Penzer School	29.N	7.E	32	N2 STATE DOES NOT OWN THE SURFACE.	* 320.00
5072	Penzer School	29.N	7.E	33	N2 STATE DOES NOT OWN THE SURFACE.	* 320.00
5073	Penzer School	29.N	7.E	36	LOTS 1, 3, 7, 8, S2NE4, S2	495.28
5022	Laird School	37.N	6.E	1	SW4	160.00
5023	Laird School	37.N	6.E	2	S2	320.00
MCCONE (NELO-G, FWP-6)						
5018	Hudiburgh Reservoir Hudiburgh Reservoir NW Hudiburgh Reservoir SE Haynie Reservoir	22.N	47.E	36	ALL	640.00
This tract contains dryland agriculture and native rangeland. The native rangeland contains habitat types for upland birds and wildlife. Tract has a livestock water well located on the SE4NE4. <i>The stream, well, etc. buffer stipulation will be utilized on this tract's lease.</i>						
PONDERA (CLO-C, FWP-4)						
5078	Fowler Coulee SE	27.N	1.E	16	ALL STATE DOES NOT OWN THE SURFACE.	* 640.00
5079	Fowler Coule NE	28.N	1.E	36	ALL STATE DOES NOT OWN THE SURFACE IN THE N2.	* 640.00
5099	Conrad Butte Ledger	30.N	1.W	21	NE4, E2NW4, SW4NW4, NW4SW4 STATE DOES NOT OWN THE SURFACE.	* 320.00
POWDER RIVER (ELO, FWP-7)						
+5101	North Stacey School	1.S	47.E	10	SW4NE4, NW4, SW4SW4, E2SW4, SE4	480.00
+5102	North Stacey School Stacey	1.S	47.E	16	ALL	640.00
+5103	Stacey Elk Ridge	1.S	47.E	36	ALL	640.00
RICHLAND (ELO, FWP-6)						
5009	Elmdale SW	24.N	53.E	16	ALL	640.00
5010	Elmdale SW	24.N	53.E	19	E2	320.00
5011	Carda Coulee	24.N	53.E	36	ALL	640.00
5012	Duplisse Creek North	25.N	52.E	16	ALL	640.00
5013	Elmdale NW	25.N	52.E	26	N2NE4, SE4NE4, E2NW4, SW4NW4, N2SW4	320.00



LESSOR: DEPT OF TRANSPORTATION

ROOSEVELT (NELO-G, FWP-6)

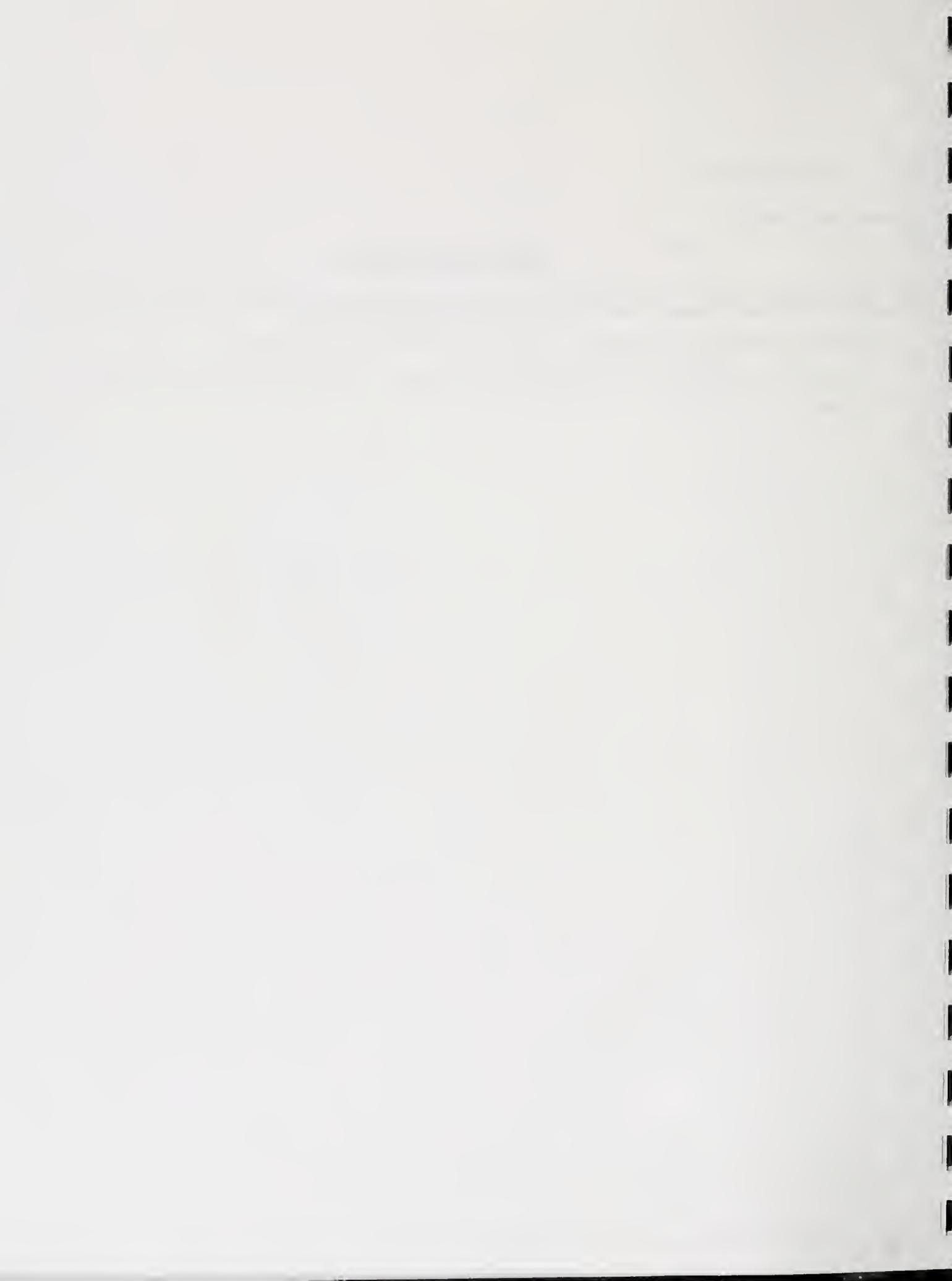
5100 Bainville

28.N 58.E 27 HIGHWAY TRACT IN SW4SW4 IN
ORIGINAL TOWNSITE OF BAINVILLE

0.90

This section contains wetlands, native rangeland, dryland agriculture and is also located next to the rural town of Bainville. This section contains habitat for upland birds, wildlife and waterfowl.

The no-surface occupancy of highway tracts stipulation will be utilized on this tract's lease. This would cover all concerns noted.





MONTANA
Natural Heritage
Program

P.O. Box 201800 ▪ 1515 East Sixth Avenue ▪ Helena, MT 59620-1800 ▪ fax 406.444.0581 ▪ tel 406.444.3009 ▪ <http://nris.state.mt.us>

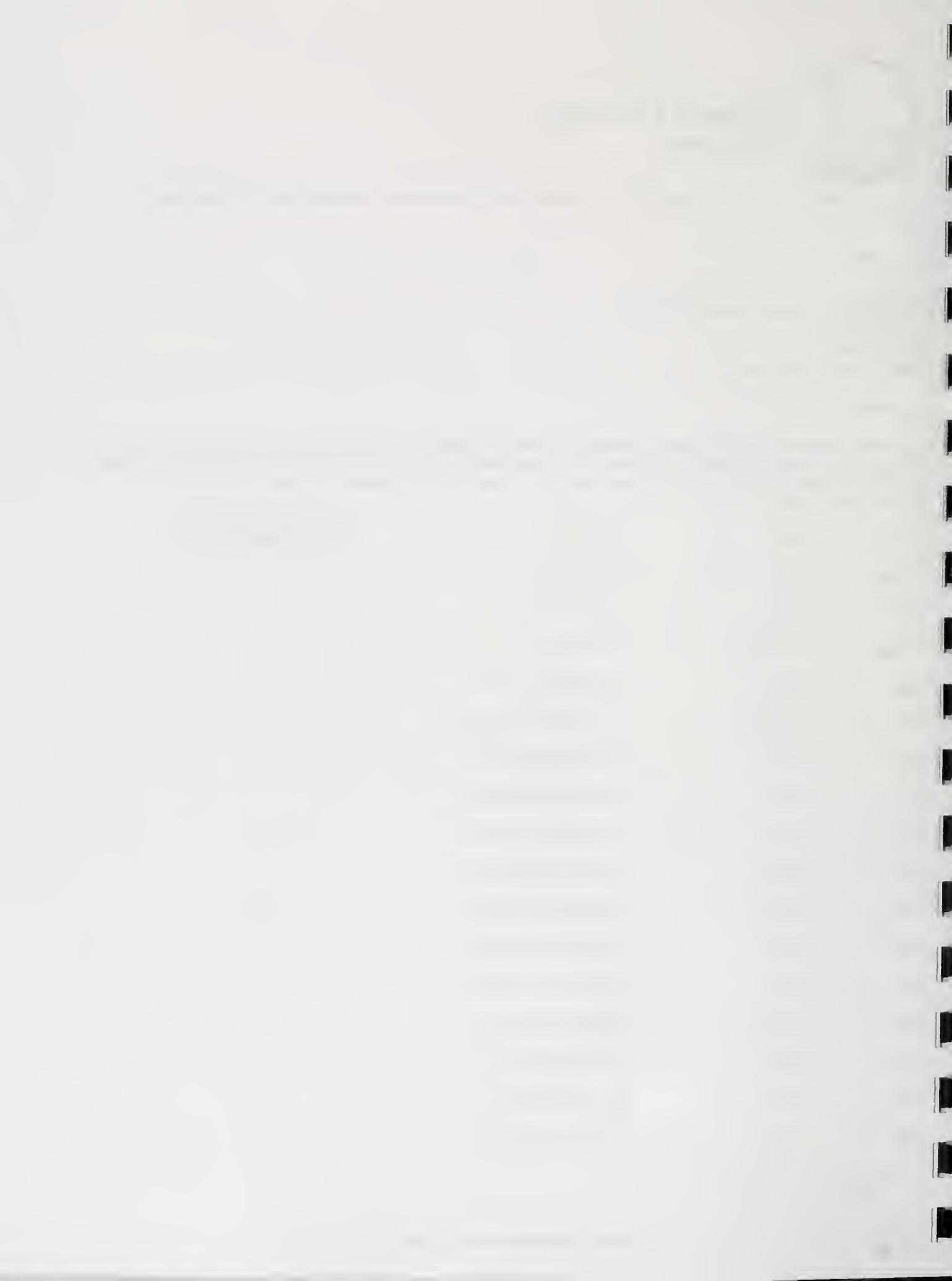
July 9, 2001

Teresa Kinley
MT DNRC, Trust Land Management Division
1625 Eleventh Ave.
PO Box 201601
Helena, Montana 59620-1601

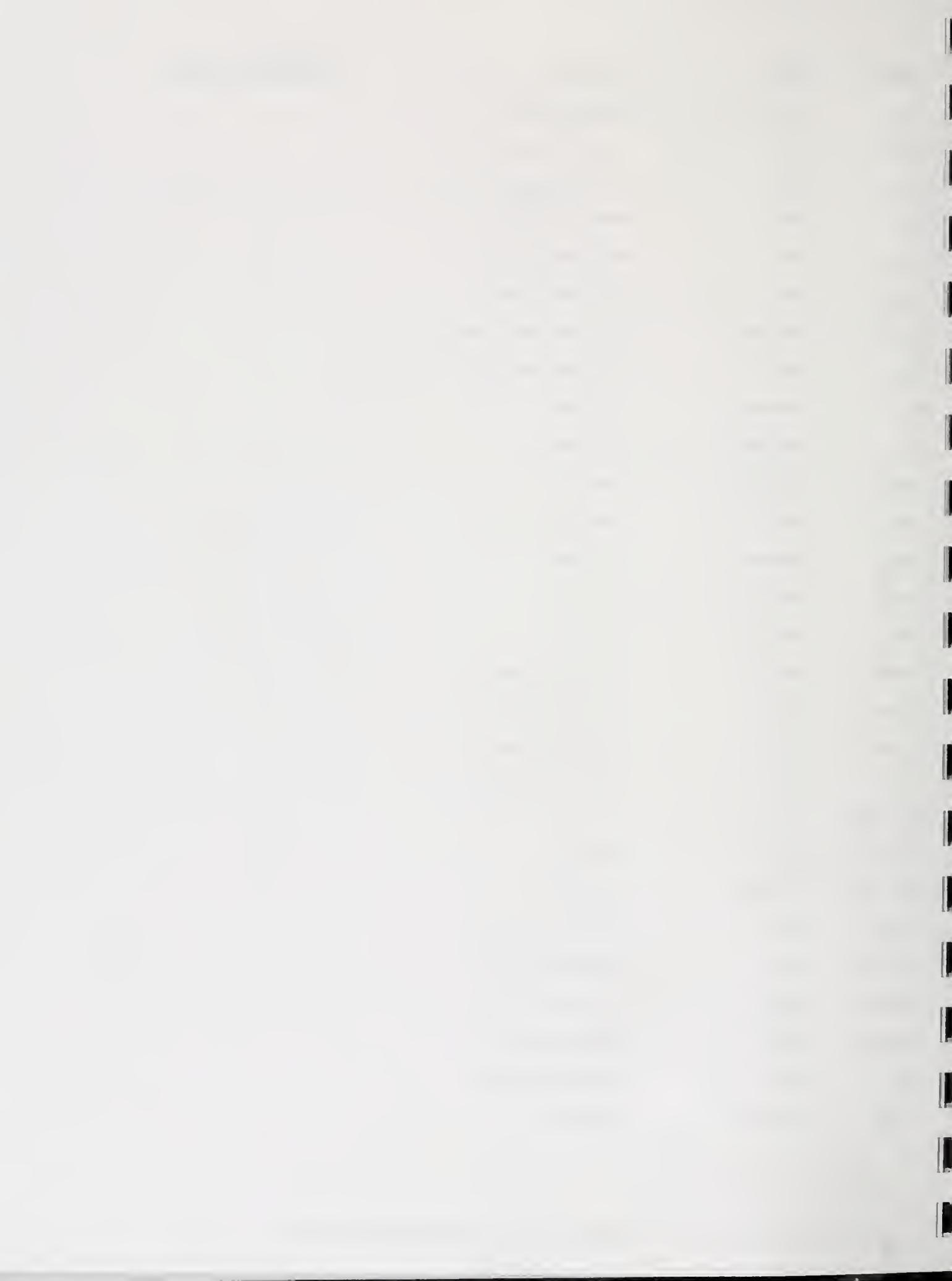
Dear Teresa,

I am writing in response to your request for information on species of concern in the vicinity of the proposed Oil & Gas Lease Sale Tracts. We checked our databases for information in these areas. We have enclosed the species of concern reports, organized by township, range and section, for each area and 1 map for each area where these species were found. The results are summarized as follows:

<u>COUNTY</u>	<u>APP#</u>	<u>LOCATION</u>	<u>NUMBER OF OCCURRENCES FOUND</u>
Big Horn	5036	T01S, R30E, Section 35	0
Big Horn	5037	T01S, R33E, Section 16	3
Big Horn	5038-5039	T02S, R32E, Sections 12 & 13	1
Blaine	+5021	T35N, R20E, Section 36	2
Carter	5041-5042	T01N, R60E, Sections 3 & 10	0
Carter	5043	T01N, R60E, Section 16	0
Carter	5044	T01N, R60E, Section 36	1
Carter	+5081	T07S, R57E, Section 36	1
Carter	5001	T07S, R58E, Section 16	1
Carter	+5082	T07S, R58E, Section 36	0
Carter	+5083	T08S, R57E, Section 16	1
Carter	5084	T08S, R57E, Section 36	1
Carter	+5085	T08S, R58E, Section 16	0
Carter	5086	T08S, R58E, Section 36	1
Carter	5087	T08S, R59E, Section 16	0
Carter	5088	T08S, R59E, Section 36	0



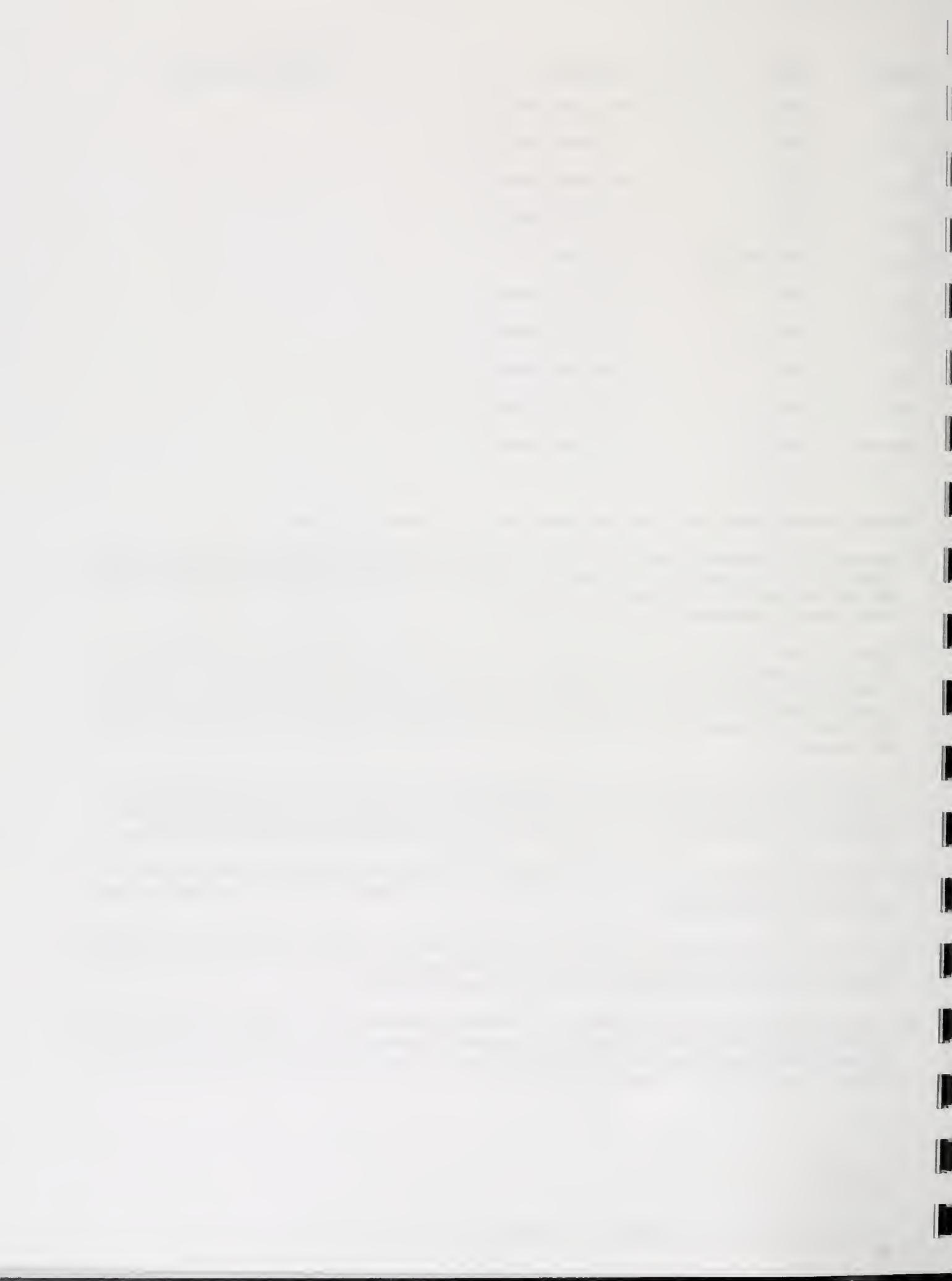
<u>COUNTY</u>	<u>APP#</u>	<u>LOCATION</u>	<u>NUMBER OF OCCURRENCES FOUND</u>
Carter	5003	T09S, R56E, Section 16	0
Carter	5004	T09S, R56E, Section 36	0
Carter	5005	T09S, R57E, Section 16	1
Carter	5006	T09S, R57E, Section 36	2
Carter	5089	T09S, R58E, Section 16	2
Carter	5090	T09S, R58E, Section 36	4
Carter	5091-5092	T09S, R59E, Sections 16 & 36	6
Glacier	5093	T32N, R05W, Section 16	0
Hill	5074-5077	T29N, R08E	1
Hill	5028-5033	T37N, R09E	0
Liberty	5015-5017	T28N, R04E	0
Liberty	5045	T29N, R05E, Section 36	0
Liberty	5046-5061	T29N, R06E	1
Liberty	5062-5073	T29N, R07E	1
Liberty	5022-5023	T37N, R06E	0
McCone	5018	T22N, R47E, Section 36	0
Pondera	5078	T27N, R01E, Section 16	0
Pondera	5079	T28N, R01E, Section 36	0
Pondera	5099	T30N, R01W, Section 21	0
Powder River	+5101-+5103	T01S, R47E	0
Richland	5009-5011	T24N, R53E	0
Richland	5012-5014	T25N, R52E	0
Richland	5007	T25N, R56E, Section 16	0
Richland	5025	T26N, R52E, Section 36	0
Stillwater	5002	T01N, R22E, Section 16	0
Stillwater	5027	T02N, R20E, Section 16	1
Toole	5080	T29N, R02E, Section 16	0
Toole	5094-5095	T30N, R01E	0



<u>COUNTY</u>	<u>APP#</u>	<u>LOCATION</u>	<u>NUMBER OF OCCURRENCES FOUND</u>
Toole	5096	T31N, R01E, Section 26	0
Toole	5097	T31N, R01E, Section 36	0
Toole	5034	T33N, R02E, Section 27	0
Toole	5035	T33N, R02E, Section 35	0
Toole	5019-5020 & 5008	T35N, R02E	0
Toole	5024	T35N, R03E, Section 36	0
Toole	5026	T36N, R01E, Section 36	0
Toole	5040	T36N, R02E, Section 34	0
Toole	5098	T30N, R01W, Section 16	0
Roosevelt	5100	T28N, R58E, Section 27	0

Please keep in mind the following when using and interpreting the enclosed information and maps:

- (1) These materials are the result of a search of our database for species of concern and communities that comprise high-quality wetlands, that occur in an area defined by the requested township and range (and section, if available) with an additional one-mile buffer surrounding the requested area. This is done to provide you with a more inclusive set of records and to capture records that may be immediately adjacent to the requested area.
- (2) In the report, the term "precision" reflects the quality of the location information. S (second) precision is used when the location of the collection/observation is known within a three-second radius (approximately 10 acres); M (minute) precision is used when the location of the collection /observation is known within a one minute radius (approximately 1.5 miles); and G (general) precision is used when the location of the record/collection is known within a 5 mile radius or to a place name only. Some species locations outside the selection area have imprecisely-known locations and may actually occur within the selection area.
- (3) Location information for animals represents occupied breeding habitat; location information for plants represents known occurrences of plant species, and, like animals, has an implied range that may not be fully conveyed by the mapped data. Most locations are depicted as points, but some, especially those that cover large area, are depicted as polygons on the map. The approximate boundaries of these polygons are color-coded to help differentiate vertebrate classes and plants.
- (4) This report may include sensitive data, and is not intended for general distribution, publication or for use outside of your agency. In particular, public release of specific location information may jeopardize the welfare of threatened, endangered, or sensitive species or communities.
- (5) The accompanying map(s) display management status, which may differ from ownership. Also, this report may include data from privately-owned lands, and approval by the landowner is advisable if specific location information is considered for distribution. Features shown on this map do not imply public access to any lands.
- (6) Additional biological data for the search area(s) may be available from other sources. We suggest you contact the U.S. Fish and Wildlife Service for any additional information on threatened and endangered species (406-449-5225). Also, significant gaps exist in the Heritage Program's fisheries data, and we suggest you contact the Montana Rivers Information System for information related to your area of interest (406-444-3345).



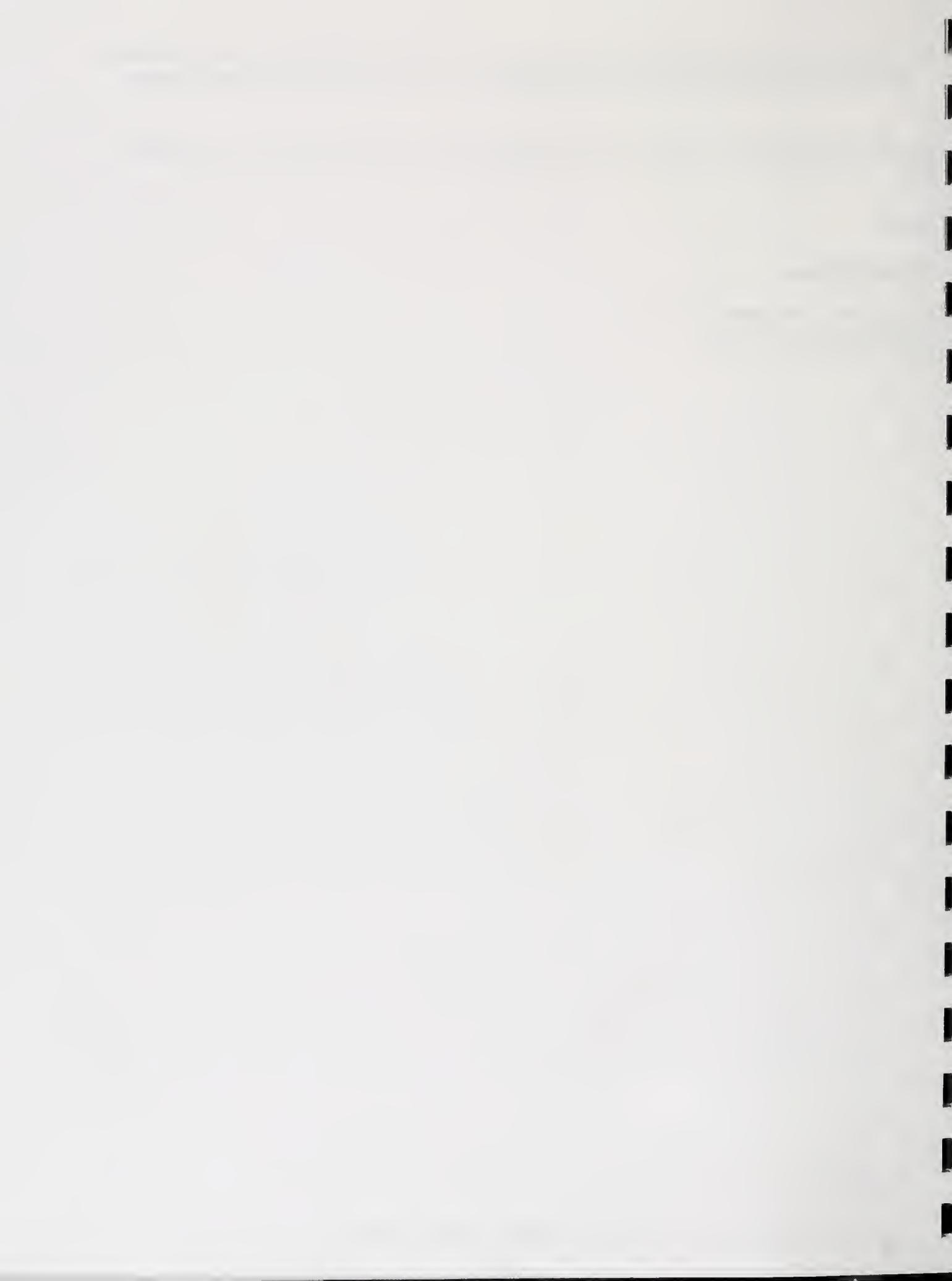
- (7) The results of a data search by the Montana Natural Heritage Program reflect the current status of our data collection efforts. These results are not intended as a final statement on sensitive species within a given area, or as a substitute for on-site surveys, which may be required for environmental assessments.

I hope the enclosed information is helpful to you. Please feel free to contact me at (406)-444-3380 or via my e-mail address, below, should you have any questions or require additional information.

Sincerely,



Whitney L. Weber, GIS/Database Coordinator
Montana Natural Heritage Program
(wweber@state.mt.us)



Montana Natural Heritage Program

P.O. Box 201800
1515 East Sixth Avenue
Helena, Montana 59620-1800
(406) 444-3009
<http://nris.state.mt.us>

Explanation of Element Occurrence Reports

Since 1985, the Montana Natural Heritage Program (MTNHP) has been compiling and maintaining an inventory of the elements of biological diversity in Montana. This inventory includes plant species, animal species, plant communities, and other biological features that are rare, endemic, disjunct, threatened or endangered throughout their range in Montana, vulnerable to extirpation from Montana, or in need of further research.

Individual species, communities, or biological features are referred to as "elements." An "element occurrence" generally falls in one of the following categories:

Plants: A documented location of a plant population. In some instances, adjacent, spatially separated clusters are considered subpopulations and are grouped as one occurrence (e.g., the subpopulations occur in ecologically similar habitats, and are within approximately one air mile of one another).

Animals with limited mobility (most invertebrates, amphibians, reptiles, small mammals, most fish): The location of a specimen collection or of a verified sighting; assumed to represent a breeding population. Additional collections or sightings are often appended to the original record.

Mobile or migratory animals (most birds and larger mammals, some fish): Breeding areas (including nesting territories, dens and leks) and significant aggregation sites (winter feeding areas, staging grounds, or hibernacula).

Communities: All contiguous, high-quality habitat as defined by physical and biological features.

Other: Significant biological features not included in the above categories, such as bird rookeries, peatlands, or state champion trees.

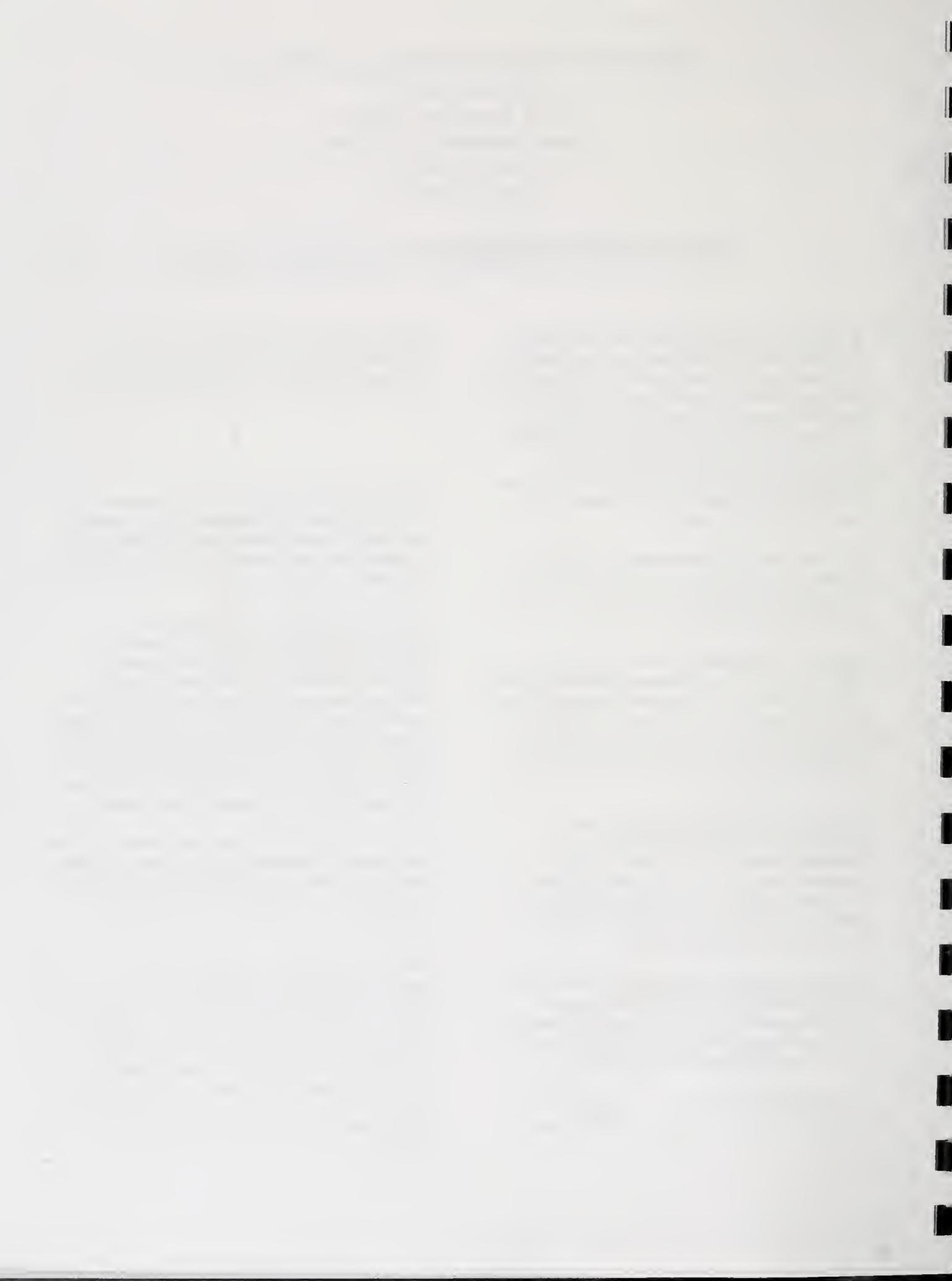


The quantity and quality of data contained in MTNHP reports is dependent on the research and observations of the many individuals and organizations who contribute information to the program.

Please keep in mind that the absence of information for an area does not mean the absence of significant biological features. Reports produced by the Montana Natural Heritage Program summarize information known to the program at the time of a request. These reports are not intended as a final statement on the elements or areas being considered, nor are they a substitute for on-site surveys which may be required for environmental assessments.

As a user of MTNHP, your contributions of data are essential to maintaining the accuracy of our data bases. New or updated location information for all species of special concern is always welcome.

We encourage you to visit our website at <http://nris.state.mt.us/mtnhp/>. On-line tools include species lists, an electronic version of *Montana Bird Distribution*, and search capabilities by county, management unit, or USGS 7.5' quadrangle. Also available is the *Montana Rare Plant Field Guide*, which contains photos, high-quality diagnostic illustrations, and supporting information for over 300 rare plant species in Montana.



Certain codes and abbreviations are used in element occurrence reports. Although many of these are very straightforward, the following explanations should answer most questions.

Global Rank and State Rank

Taxa are evaluated and ranked by MTNHP on the basis of their global (range-wide) status, and their state-wide status according to a standardized procedure.

For each level of distribution, global and state, species are assigned a numeric rank ranging from 1 (critically imperiled) to 5 (demonstrably secure). For example, Clustered lady's-slipper (*Cypripedium fasciculatum*) is ranked G4 S2. That is, globally the species is apparently secure, while in Montana it is imperiled because of rarity, or because of other factors making it demonstrably vulnerable to extirpation.

Rank Definition

- | | |
|---|------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Critically imperiled because of extreme rarity, or because of some factor of its biology making it especially vulnerable to extirpation. |
| 2 | Imperiled because of rarity, or because of other factors demonstrably making it very vulnerable to extinction throughout its range. |
| 3 | Vulnerable because of rarity, or found in a restricted range even though it may be abundant at some of its locations. |
| 4 | Apparently secure, though it may be quite rare in parts of its range, especially at the periphery. |
| 5 | Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery. |
| U | Possibly in peril but status uncertain; more information needed. |
| H | Historical, known only from records over 50 years ago; may be rediscovered. |
| X | Believed to be extinct; historical records only. |

Other Global and State Rank codes:

- | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T | Rank for a subspecies or variety; appended to the global rank for the full species, e.g., G4T3. |
| Q | Taxonomic questions or problems involved; more information needed. |
| ? | Inexact or uncertain. |
| Z | Ranking not applicable. |
| A | Accidental in the state. Includes species (usually birds or butterflies) recorded very infrequently, hundreds or thousands of miles outside their usual range. |
| B | A state rank modifier indicating breeding status for a migratory species. Example: S1B, SZB = breeding occurrences for the species are ranked S1 (critically imperiled) in the state; non-breeding occurrences are not ranked in the state. |
| # | A modifier to SX or SH: the species has been reintroduced but the population is not yet established. |

U. S. Fish And Wildlife Service Endangered Species Act Status

Abbreviations indicate the categories defined in the U.S. Fish and Wildlife Service Notice of Review and indicate the status of a taxon under the federal Endangered Species Act of 1973 (16 U.S.C.A. §1531-1543 (Supp. 1996)).

Note: the categories C2, 3B and 3C are no longer maintained by the U.S. Fish and Wildlife Service (61 FR 7596, Feb. 28, 1996).

Current categories are:

- | | |
|----|------------------------------------------------------------------------------------------------------------------|
| LE | listed endangered |
| LT | listed threatened |
| PE | proposed endangered |
| PT | proposed threatened |
| C | candidate: Substantial information exists in U.S. Fish and Wildlife files on biological vulnerability to support |



proposals to list as threatened or endangered.

NL not listed or no designation (see below)

XN non-essential experimental population

A species can have more than one federal designation if the species' status varies within its range. In these instances, the Montana designation is listed first. Example: LELT = species is listed as endangered in Montana; elsewhere in its range it is listed as threatened.

U.S. Forest Service Status

The status of species on Forest Service lands as defined by the U.S. Forest Service manual (2670.22). These taxa are listed as such by the Regional Forester (Northern Region) on National Forests in Montana. Species are listed as:

T/E/P listed as Threatened (LT) or Endangered (LE) under the Endangered Species Act or proposed for listing (P), and known or suspected to occur on national forests.

S sensitive species, subspecies or variety, for which the Regional Forester has determined there is a concern for population viability rangewide or in the region.

Bureau of Land Management Status

The status of species on Bureau of Land Management land is defined by the BLM 6840 manual and designated by the Montana State Office of the BLM in 1996:

S sensitive species: proven to be imperiled in at least part of its range and documented to occur on BLM lands.

W watch species: either known to be imperiled and suspected to occur on BLM lands, suspected to be imperiled and documented on BLM lands, or needing further study for other reasons.

Other terms that may be used in this report

USGS quadrangle - Name of the 7.5-minute USGS topographic map(s) where the population is located.

Township, range, section, TRS comments - legal description of the centroid of the population and, if known, additional townships or sections. TRS locators may be based on unsurveyed townships; in such cases, the locators are derived from U. S. Forest Service visitor maps or from BLM surface management status maps. This is done for convenience in describing species locations; the information does not necessarily indicate legal boundaries.

Precision - the level of location accuracy of the record.

S = accuracy of location is within an area of approximately 10 acres

M = accuracy of location is within a radius of approximately 1.5 miles

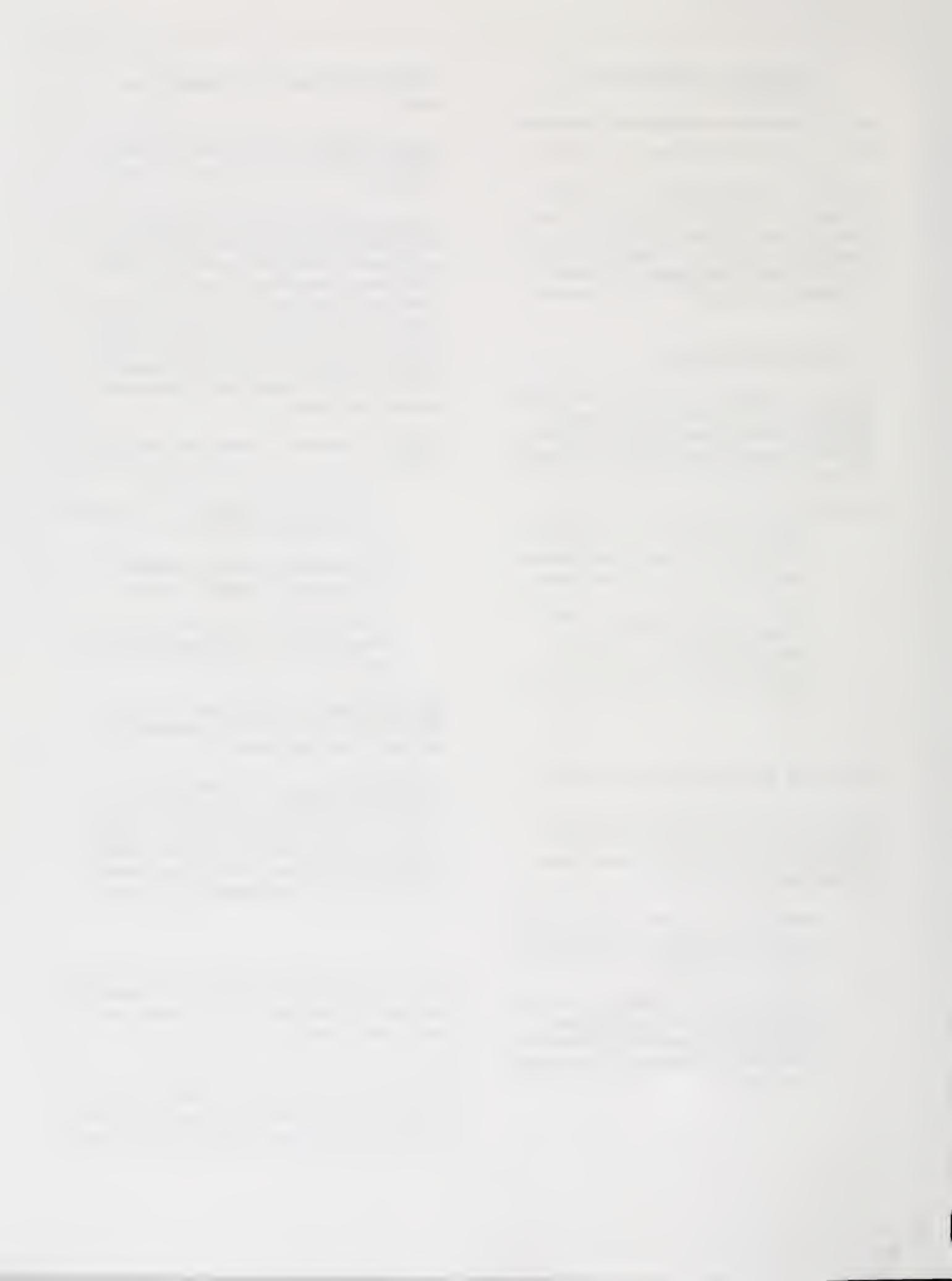
G = location is a place-name only, or within a radius of approximately 5 square miles.

Last observation: date the element was last observed extant at the site (not necessarily the date the site was last visited).

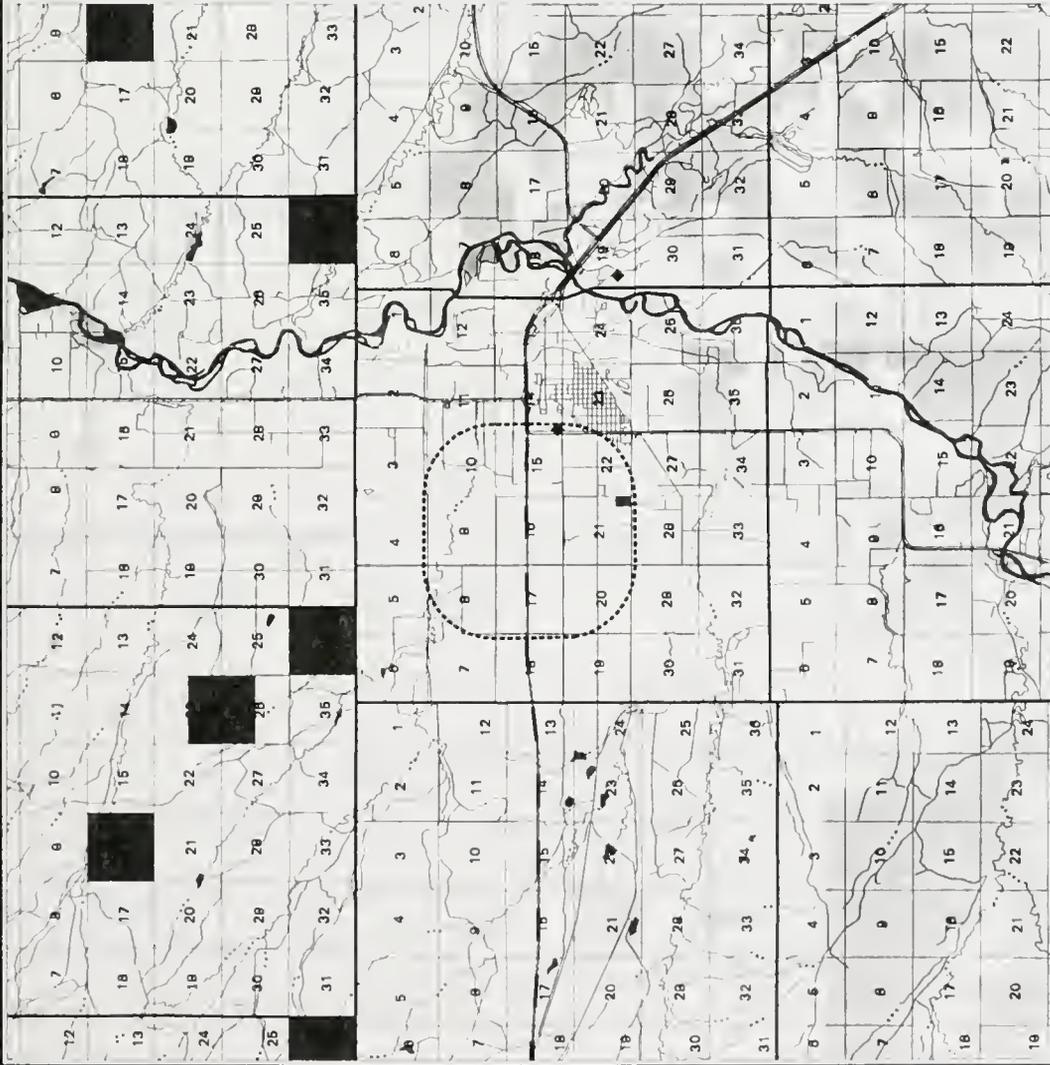
Land Owner/manager - the ownership or management of the land on which the element occurs. Areas are generally listed from smallest to largest. In most instances, this information is derived from U.S. Forest Service visitor maps or from BLM surface management status maps.

Please remember that this report is a summary of information. Additional data are available on most sites and species

If you have questions or need further assistance, please contact us either by phone at (406/444-0914), e-mail (mtnhp@nris.state.mt.us) or at the mailing address shown on the first page.



Montana Species of Concern T01S, R33E, S16 Big Horn County (App#5037)



Point Locations

- ◆ Animal
- Plant
- ★ Plant Community
- ⊕ Other

Biological Data

- ◆ Animal
- Plant
- ★ Plant Community
- ⊕ Other

Land Status

- BLM
- BOR (BuRac)
- CoE & Other OOD
- National Park Service
- National Forests
- Other USDA
- US Fish & Wildlife Service
- Tribal & Allotted
- State trust lands
- MT Fish, Wildlife & Parks
- University & Institutions
- Local government
- Plum Creek
- Private Conservation
- Other private
- Wilderness (all agencies)
- Wild & Scenic Rivers (*)
- Research Natural Areas (*)
- Other special areas (ACEC, OMA, ...)

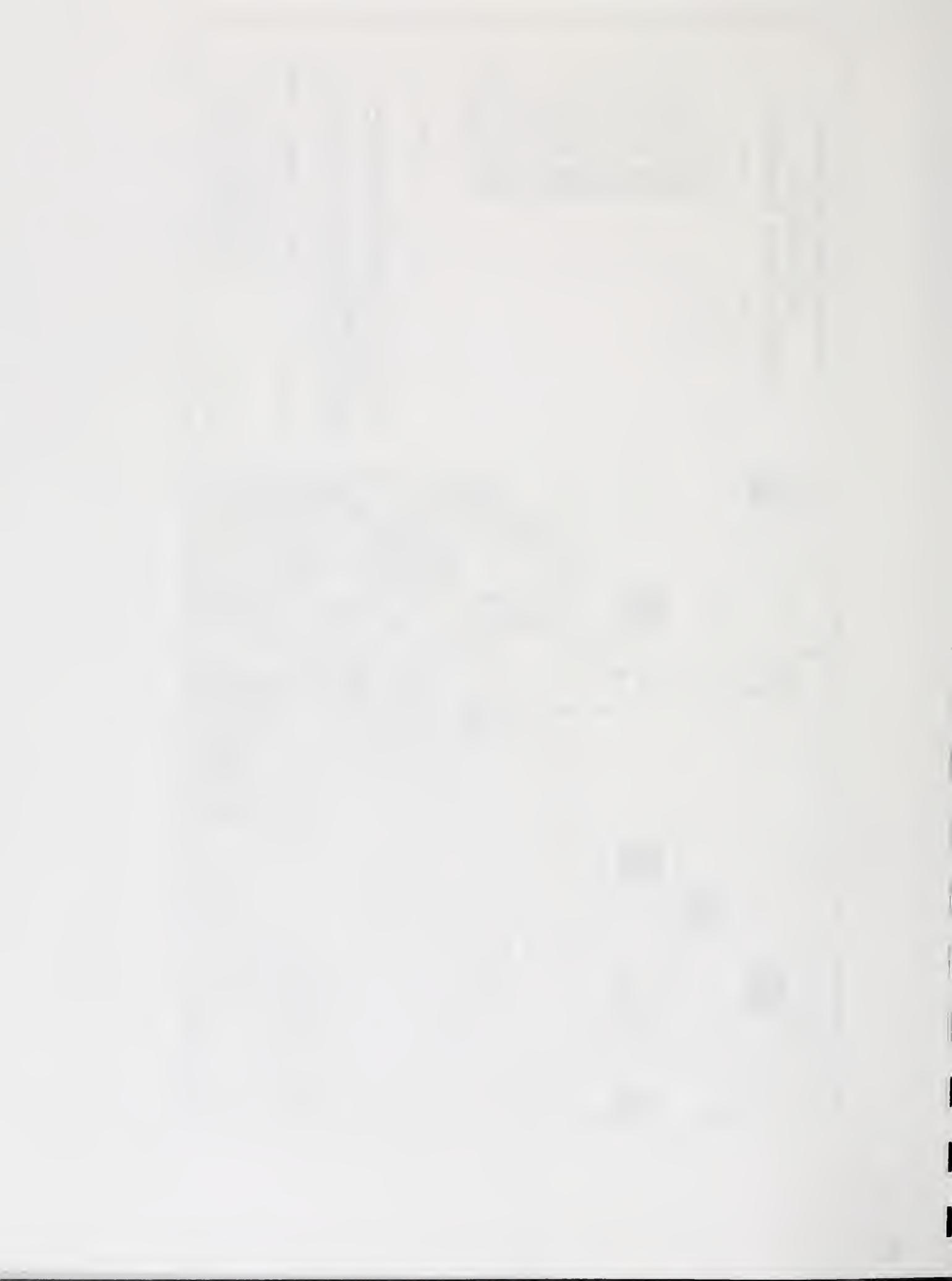
..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.

Scale of Miles 0 1 2 3 4 5 6 7



Request mhp8169
July 03, 2001



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T01S, R33E, S16
Big Horn County (App# 5037)

Scientific Name: HETERODON NASICUS

Common Name: WESTERN HOGNOSE SNAKE

Global Rank: G5

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

TWO SPECIMENS COLLECTED.

Last observation: 1921

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800,
HELENA, MT 59620-1800. 406/444-3009.

Survey site name: HARDIN

County: BIG HORN

USGS quadrangle: HARDIN

Precision: G

Elevation (ft): 2900

Location:

LABEL INFORMATION GIVES "HARDIN" AND "5 MILES NW OF HARDIN."

Township\Range:

Section:

TRS comments:

001S033E

14

App # 5037 T15, R33E Sec 16 is ~1 to 2 miles from this site. This tract has higher elevation and some areas of steeper topography. Tract has less water & likely less food sources. The Harper & Row's Complete Field Guide to North American Wildlife notes that this snake ranges in Montana with a west boundary along the foothills of the eastern Rockies. - No impact-



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T01S, R33E, S16
Big Horn County (App# 5037)

Scientific Name: SOREX MERRIAMII
Common Name: MERRIAM'S SHREW

Global Rank: G5 Forest Service status:
State Rank: S3 USFWS Endangered Species Act Status:
BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:
1 FEMALE COLLECTED.

Last observation: 1884-12-26 Size (acres):

General site description:
UNKNOWN.

Land owner/manager
PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800,
HELENA, MT 59620-1800. 406/444-3009.

Survey site name: FORT CUSTER

County: BIG HORN

USGS quadrangle: HARDIN

Precision: G

Elevation (ft): 2750

Location:

"FORT CUSTER."

Township\Range: Section: TRS comments:
001S034E 19

*App # 5037 T1S, R33E, Sec. 16 is ~ 3 to 4 miles from
this site. This tract is west of the Big Horn River. The site is east
of it. - Note - last observation of this shrew was in 1884.
- No impact -*



Montana Natural Heritage Program

04-Jul-01

Species of Special Concern: T01S, R33E, S16
Big Horn County (App# 5037)

Scientific Name: SOREX PREBLEI
Common Name: PREBLE'S SHREW

Global Rank: G4 Forest Service status:
State Rank: S3 USFWS Endangered Species Act Status:
BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:
ONE SPECIMEN COLLECTED (USNM 186,678).

Last observation: 1884-11-07 Size (acres): 0

General site description:
UNKNOWN.

Land owner/manager
PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:
NONE.

Information source

HOFFMANN, R. S. AND R. D. FISHER. 1978. ADDITIONAL DISTRIBUTIONAL RECORDS OF PREBLE'S SHREW (SOEEX PREBLEI). J. MAMMAL. 59:883-884.

Survey site name: FORT CUSTER

County: BIG HORN

USGS quadrangle: HARDIN

Precision: G

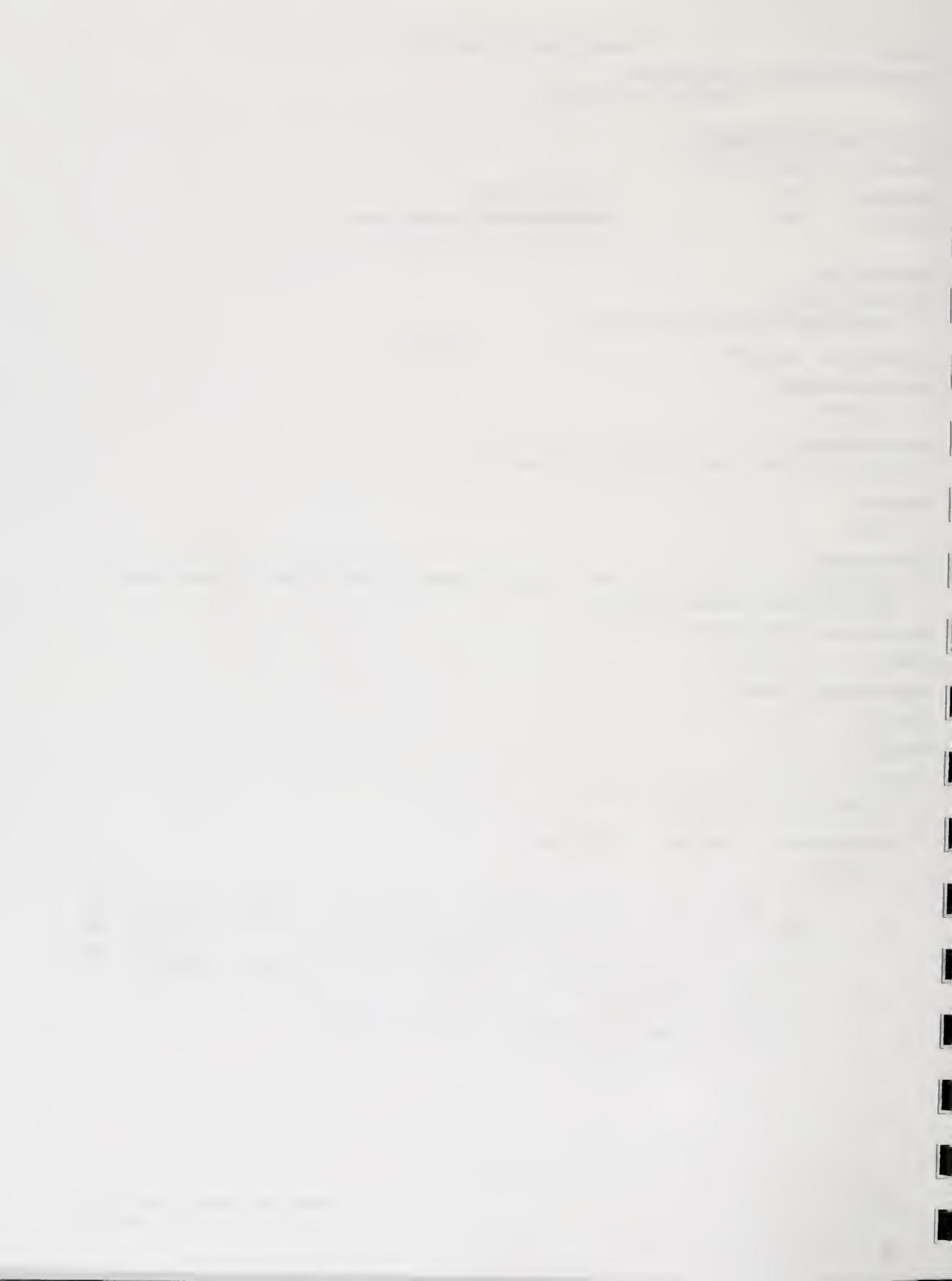
Elevation (ft): 2750

Location:

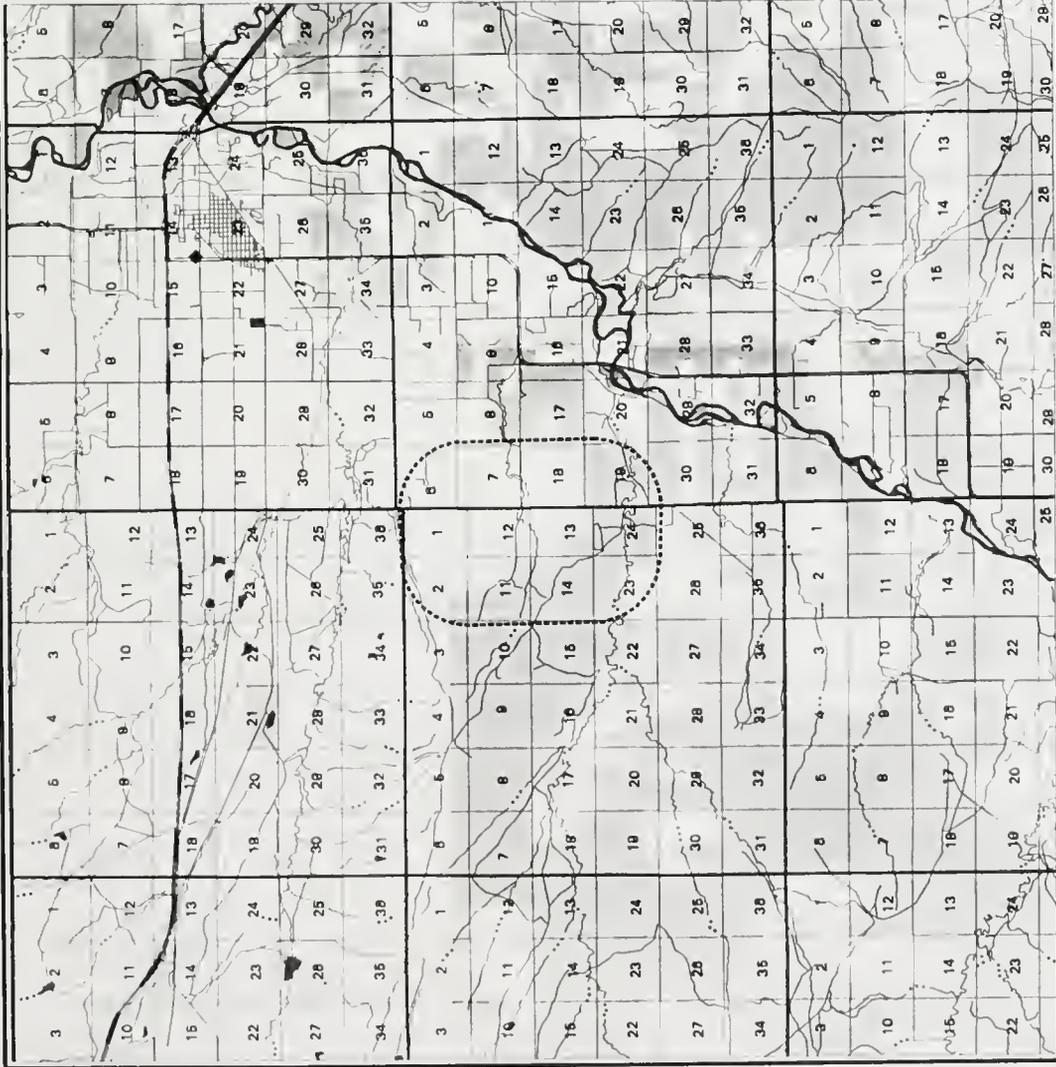
AT "FORT CUSTER" (HISTORICAL RECORD).

Township\Range: Section: TRS comments:
001S034E 19

App # 5037 T1S, R33E, Sec 16 is ~ 3 to 4 miles from this site. This tract is west of the Big Horn River. The site is east of it. - Note - last observation of this shrew was in 1884. No impact -



Montana Species of Concern T02S, R32E, S12 & 13 Big Horn County (App# 5038 & 5039)



Point Locations
 ◆ Animal
 ● Plant
 ★ Plant Community
 ⊕ Other

Biological Data

Land Status
 BLM
 BOR (BuRec)
 CoE & Other DOD
 National Park Service
 National Forests
 Other USDA
 US Fish & Wildlife Service
 Tribal & Allotted
 State trust lands
 MT Fish, Wildlife & Parks
 University & institutions
 Local government
 Plum Creek
 Private Conservation
 Other private
 Wilderness (all agencies)
 Wild & Scenic Rivers (*)
 Research Natural Areas (*)
 Other special areas
 (ACEC, ONA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.

Scale of Miles 0 2 4 6 8



MONTANA
 Natural Heritage
 Program
 Natural Resource Information System
 Montana State Library
 P.O. Box 201801
 Helena, MT 59620-1801
 (406) 542-1329 www.nhp.mt.gov

Request mhp6170
 July 04, 2001

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is essential for identifying and correcting errors in a timely manner.

2. The second part of the document focuses on the role of internal controls in preventing fraud and misstatements. It highlights that a strong internal control system is necessary to ensure that all transactions are properly authorized, recorded, and classified. The text also notes that internal controls should be designed to provide reasonable assurance of the reliability of the financial reporting process.

3. The third part of the document discusses the importance of transparency and communication in financial reporting. It states that providing clear and concise information to stakeholders is essential for building trust and confidence in the organization's financial performance. The text also mentions that transparency is a key component of corporate governance and is necessary for ensuring the long-term success of the organization.

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T02S, R32E, S12 & 13
Big Horn County (App# 5038 & 5039)

Scientific Name: HETERODON NASICUS

Common Name: WESTERN HOGNOSE SNAKE

Global Rank G5

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

TWO SPECIMENS COLLECTED.

Last observation: 1921

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800,
HELENA, MT 59620-1800. 406/444-3009.

Survey site name: HARDIN

County: BIG HORN

USGS quadrangle: HARDIN

Precision: G

Elevation (ft): 2900

Location:

LABEL INFORMATION GIVES "HARDIN" AND "5 MILES NW OF HARDIN."

Township\Range:	Section:	TRS comments:
001S033E	14	

App. #. 5038 T2S, R32E, Sec 12

5 5039 T2S, R32E, Sec 13

*have steeper topography, higher elevation & various aspects
They are ~ 5 to 6 miles from the site. - Distance & dissimilar
habitat. - No impact -*



Montana Species of Concern T35N, R20E, S36 Blaine County (App#5021)

Biological Data

Point Locations: ♦ Animal, ● Plant, ⊛ Plant Community, ⊕ Other

Populations covering large areas: [Empty Box] Mammals

Land Status

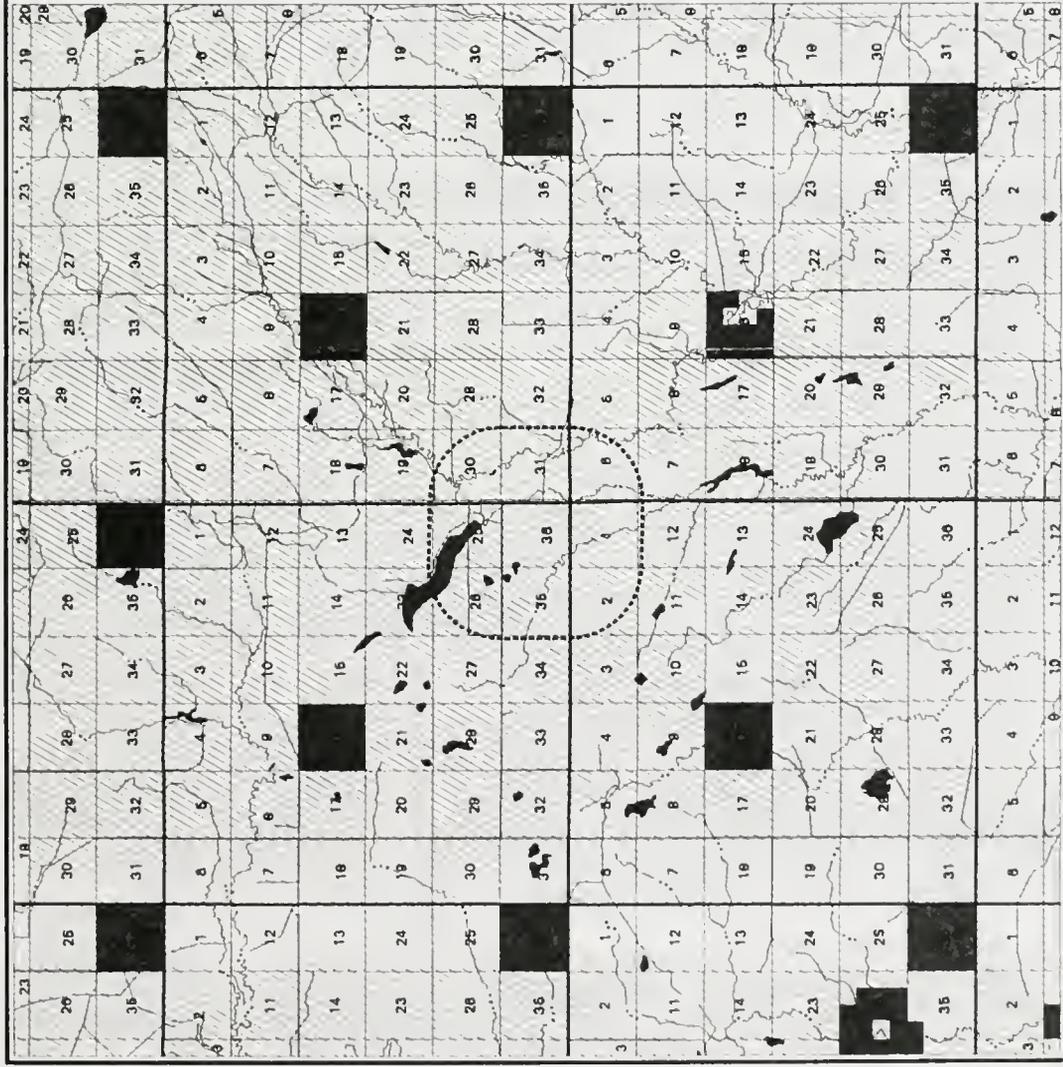
- [White Box] BLM
- [Black Box] BOR (BuRec)
- [Dark Gray Box] CoE & Other DOD
- [Medium Gray Box] National Park Service
- [Light Gray Box] National Forests
- [White Box] Other USDA
- [Dark Gray Box] US Fish & Wildlife Service
- [Medium Gray Box] Tribal & Allotted
- [Light Gray Box] State trust lands
- [Dark Gray Box] MT Fish, Wildlife & Parks
- [Medium Gray Box] University & Institutions
- [Light Gray Box] Local government
- [White Box] Plum Creek
- [Dark Gray Box] Private Conservation
- [Medium Gray Box] Other private
- [Light Gray Box] Wilderness (all agencies)
- [Dark Gray Box] Wild & Scenic Rivers (*)
- [Medium Gray Box] Research Natural Areas (*)
- [Light Gray Box] Other special areas (ACEC, ONA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
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Request nhp8171
July 03, 2001



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T35N, R20E, S36
Blaine County (App#5021)

Scientific Name: ATHENE CUNICULARIA

Common Name: BURROWING OWL

Global Rank: G4 Forest Service status: SENSITIVE
State Rank: S3B,SZN USFWS Endangered Species Act Status:
BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:

1 ADULT SEEN ENTERING BURROW.

Last observation: 1995-07-01

Size (acres):

General site description:

IN BADGERHOLE IN SHORTGRASS PRAIRIE CA. 15 METERS FROM EPHEMERAL POND. BURROW ENTRANCE MOUND CONTAINING OWL FEATHERS AND WHITEWASH.

Land owner/manager

BLM: HAVRE FIELD STATION; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

OBSERVED BY JIM REICHEL.

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800, HELENA, MT 59620-1800. 406/444-3009.

Survey site name: COAL CREEK

County: BLAINE

USGS quadrangle: TULE LAKE

Precision: M

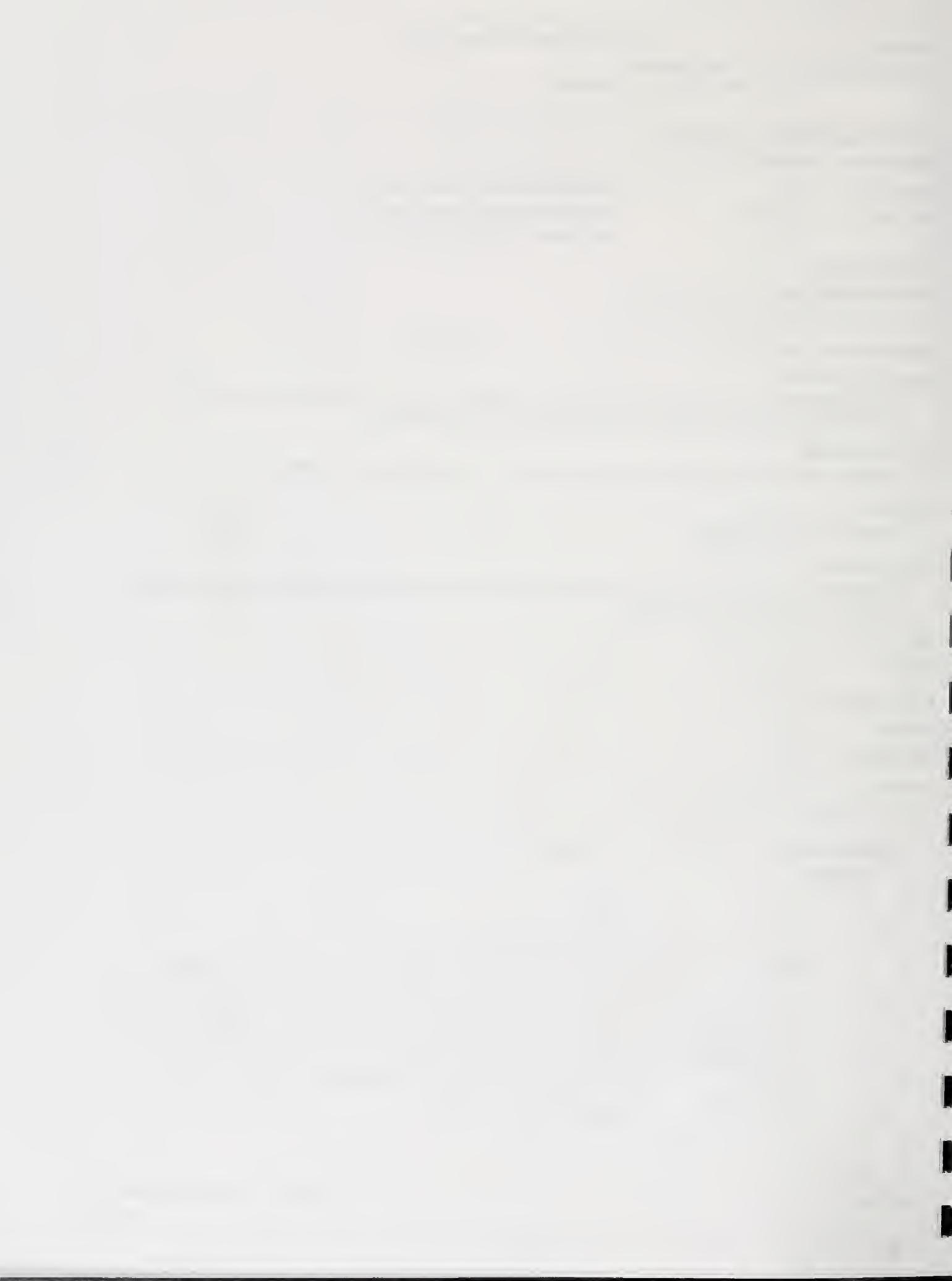
Elevation (ft): 2820

Location:

CA. 9 MILES NORTHEAST OF CHINOOK.

Township\Range: Section: TRS comments:
034N020E 10

*App. # 5021, T35N, R20E, Sec. 36
is ~1-3 miles from this site. Ponds are at a slightly
lower elevation. The stream, pond, wetland, etc buffer strip
would cover occurrence or movement of owls to this area near
the ponds on this tract if other habitat factors are
conducive to their being there.*



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T35N, R20E, S36
Blaine County (App#5021)

Scientific Name: VULPES VELOX

Common Name: SWIFT FOX

Global Rank G3

Forest Service status: SENSITIVE

State Rank: S1

USFWS Endangered Species Act Status: C

BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:

LIMITED DATA AVAILABLE; BUT PROBABLY AT LEAST 4 BREEDING PAIRS ARE PRESENT. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED OBSERVATIONS LOCATED WITHIN 20 KM OF ONE ANOTHER. SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.

Last observation: 1996

Size (acres):

General site description:

ROLLING, GLACIATED MIXED-GRASS PRAIRIE WITH LIMITED SHRUB.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); BLM: LEWISTOWN FIELD OFFICE; FORT BELKNAP INDIAN RESERVATION

Comments:

41 OBSERVATIONS IN THE 1980S AND 1990S, INCLUDING 5 OF PUPS OR JUVENILES.

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800, HELENA, MT 59620-1800. 406/444-3009.

Survey site name: BORDER PRAIRIE

County: BLAINE; VALLEY; PHILLIPS; HILL

USGS quadrangle: (EXTENDS OVER NUMEROUS QUADS)

Precision: G

Elevation (ft):

Location:

A VERY LARGE AREA MOSTLY NORTH OF THE MILK RIVER FROM CHINOOK TO HINSDALE AND EXTENDING TO CANADA.

Township\Range:

Section:

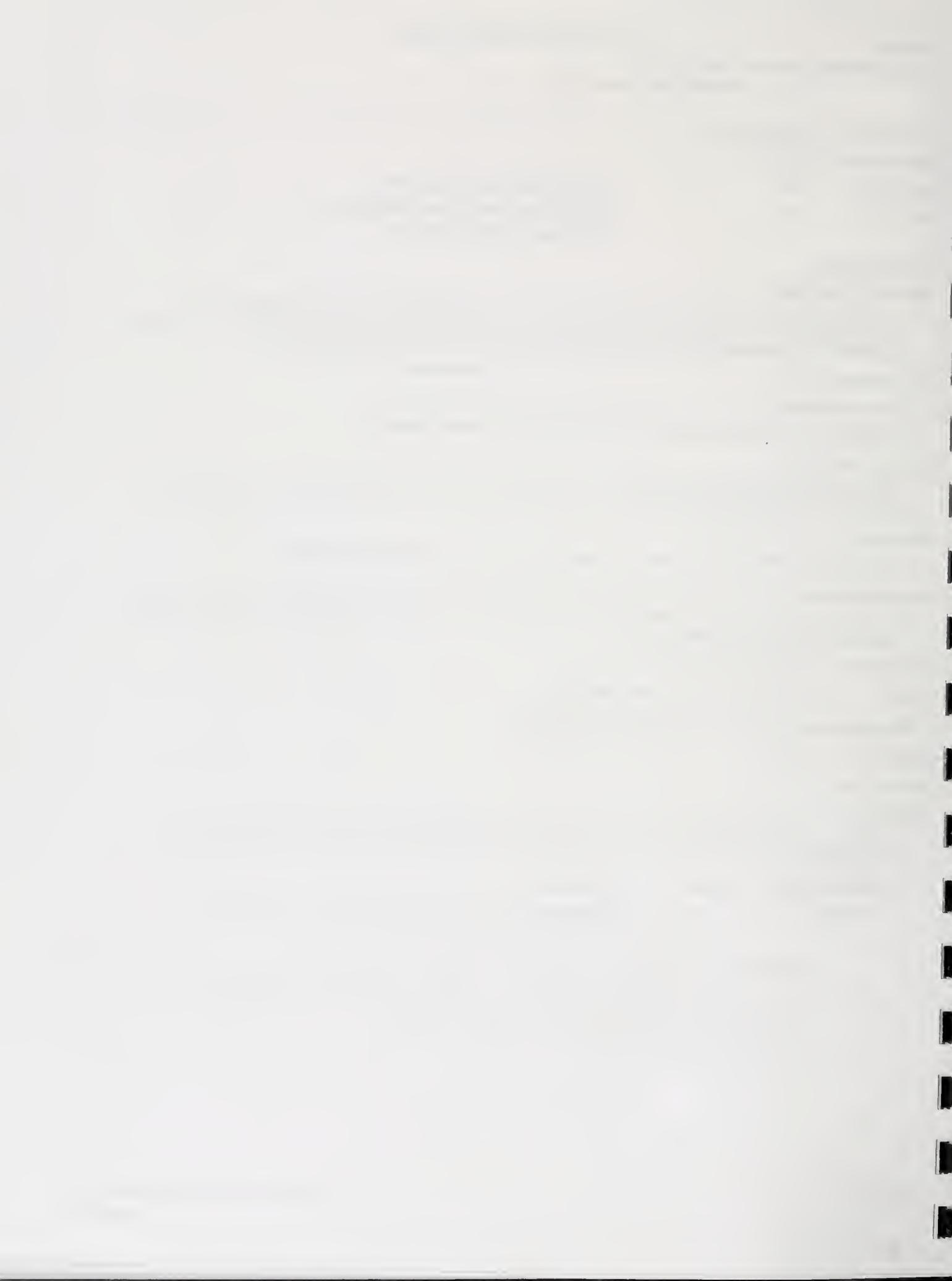
TRS comments:

037N018E

12

CENTROID--OCCURRENCE EXTENDS OVER MANY TOWNSHIPS

*Application # 5021 T35N, R20E Sec. 36
is within the Swift Fox area. The wildlife survey stipulation
will be utilized on this tract's lease.*

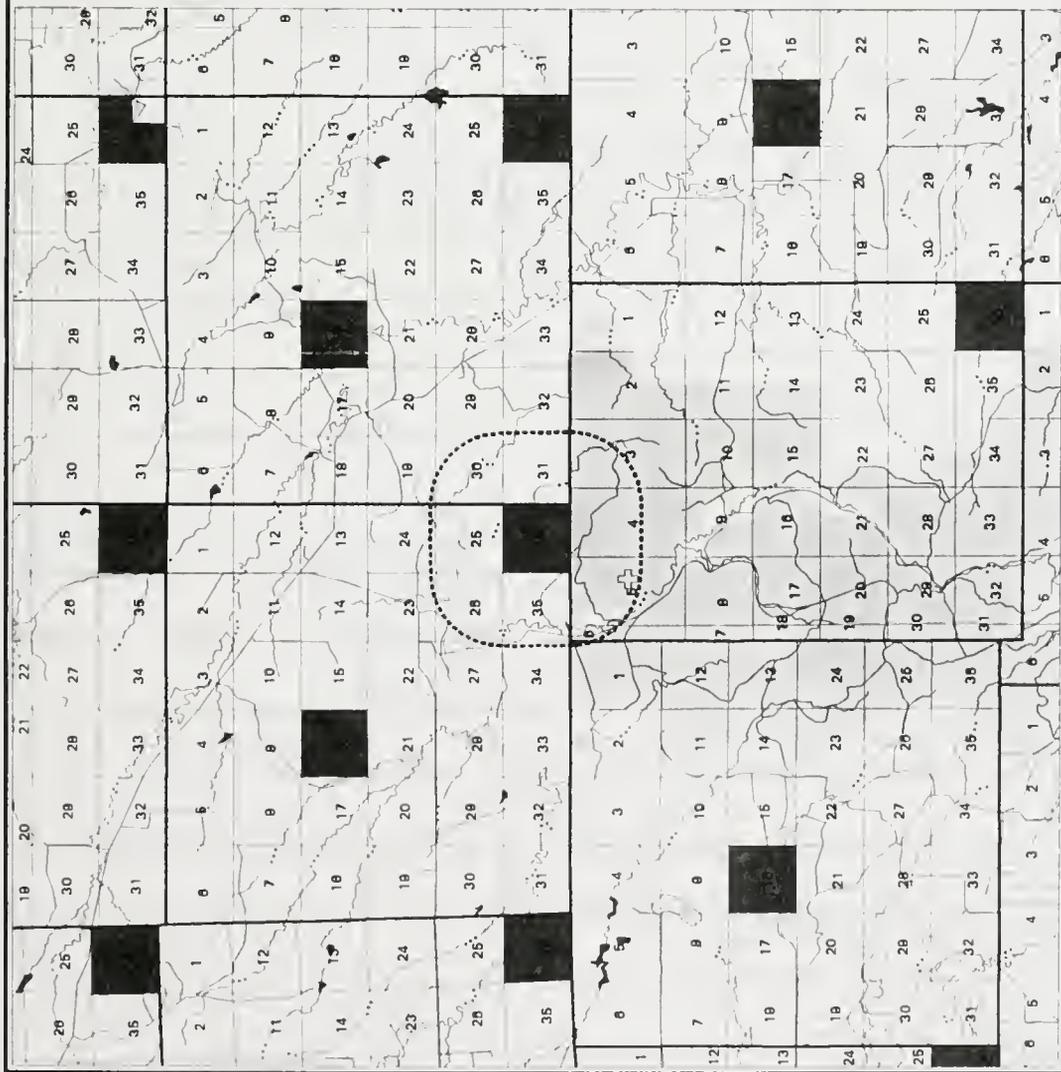


Montana Species of Concern T01N, R60E, S36 Carter County, App#5044

- Biological Data**
- ◆ Animal
 - Plant
 - ★ Plant Community
 - ⊕ Other

- Land Status**
- BLM
 - BOR (BuRec)
 - CoE & Other DOD
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (all agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, DNA, ...)

..... Search Area



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Scale of Miles 0 1 2 3 4 5 6 7



Natural Resource Information System
 P.O. Box 31 800
 Helena, MT 59611-0300
 (406) 542-1000 <http://mhp.mt.gov>

Request mhp6174
 July 03, 2001

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The second part of the document outlines the various methods used to collect and analyze data, including interviews, surveys, and focus groups. The third part of the document describes the results of the study, which show that there is a significant correlation between the use of accurate records and the reliability of the financial statements. The fourth part of the document discusses the implications of these findings for practice and for future research. The fifth part of the document provides a conclusion and a list of references.

Year	Q1	Q2	Q3	Q4
2018	120	130	140	150
2019	130	140	150	160
2020	140	150	160	170
2021	150	160	170	180
2022	160	170	180	190

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T01N, R60E, S36
Carter County, App#5044

Scientific Name: BIRD ROOKERY

Common Name: BIRD ROOKERY

Global Rank: Z

Forest Service status:

State Rank: Z

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type: BIRD ROOKERY

Species occurrence data:

GREAT BLUE HERON. MORE THAN 12 ACTIVE NESTS OBSERVED.

Last observation: 1991-07-06

Size (acres):

General site description:

PRESUMABLY A STAND OF PONDEROSA PINE.

Land owner/manager

CUSTER NATIONAL FOREST, SIOUX RANGER DISTRICT

Comments:

Information source

THOMPSON, W. L. DEPARTMENT OF BIOLOGY, MONTANA STATE UNIVERSITY, BOZEMAN, MT 59717.
406/994-5677.

Survey site name: SNOW CREEK

County: CARTER

USGS quadrangle: MILL IRON

Precision: S

Elevation (ft): 3500

Location:

FROM MILL IRON, EAST OF EKALAKA, GO SOUTH ON COUNTY ROAD AND CONTINUE SOUTH ON FS RD 217 UP SNOW CREEK CA. 1 MILE PAST NATIONAL FOREST BOUNDARY. ROOKERY IS EAST OF ROAD.

Township\Range: Section: TRS comments:

001S061E

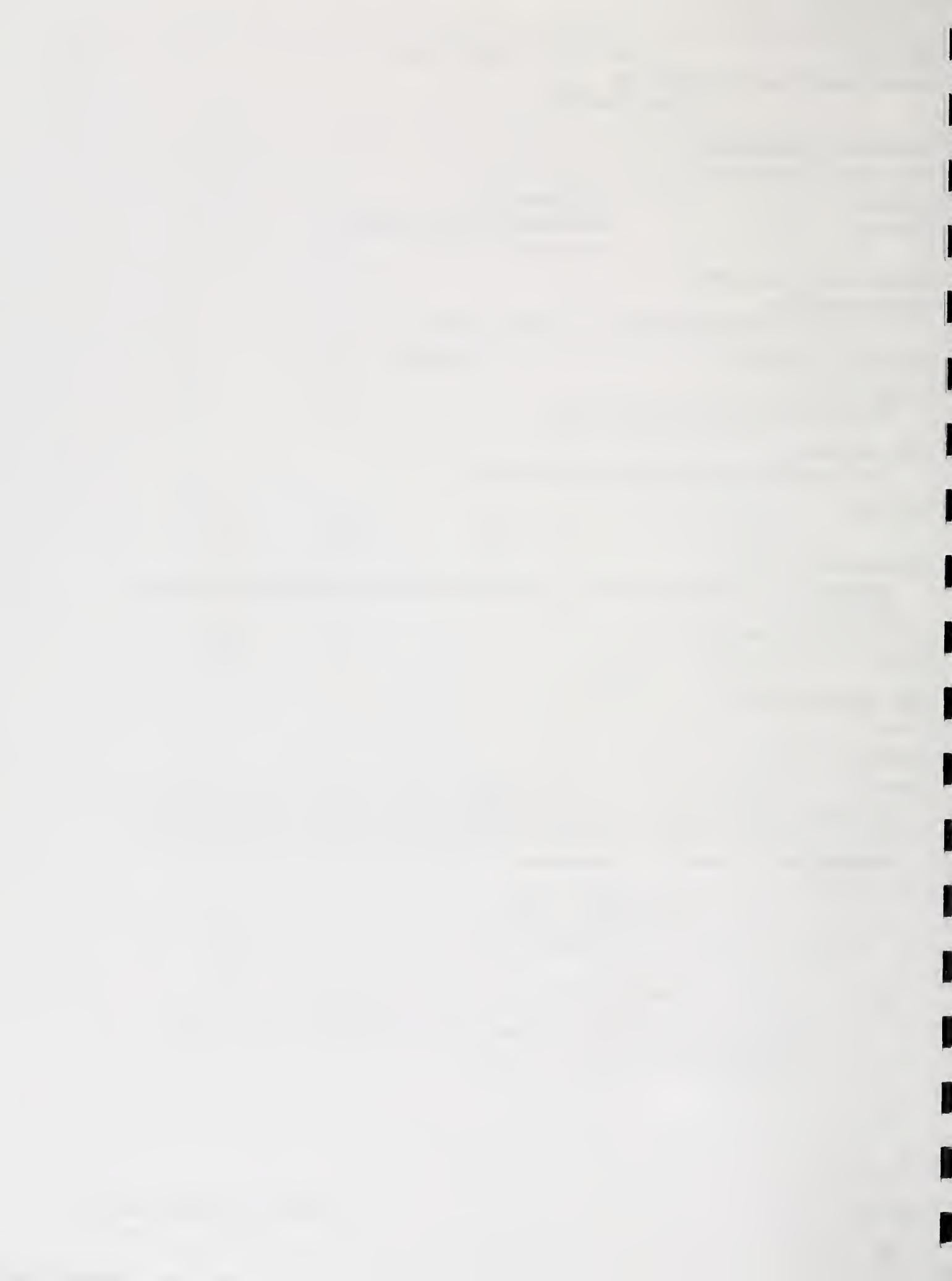
5

SE4

T1N, R60E, Sec. 36

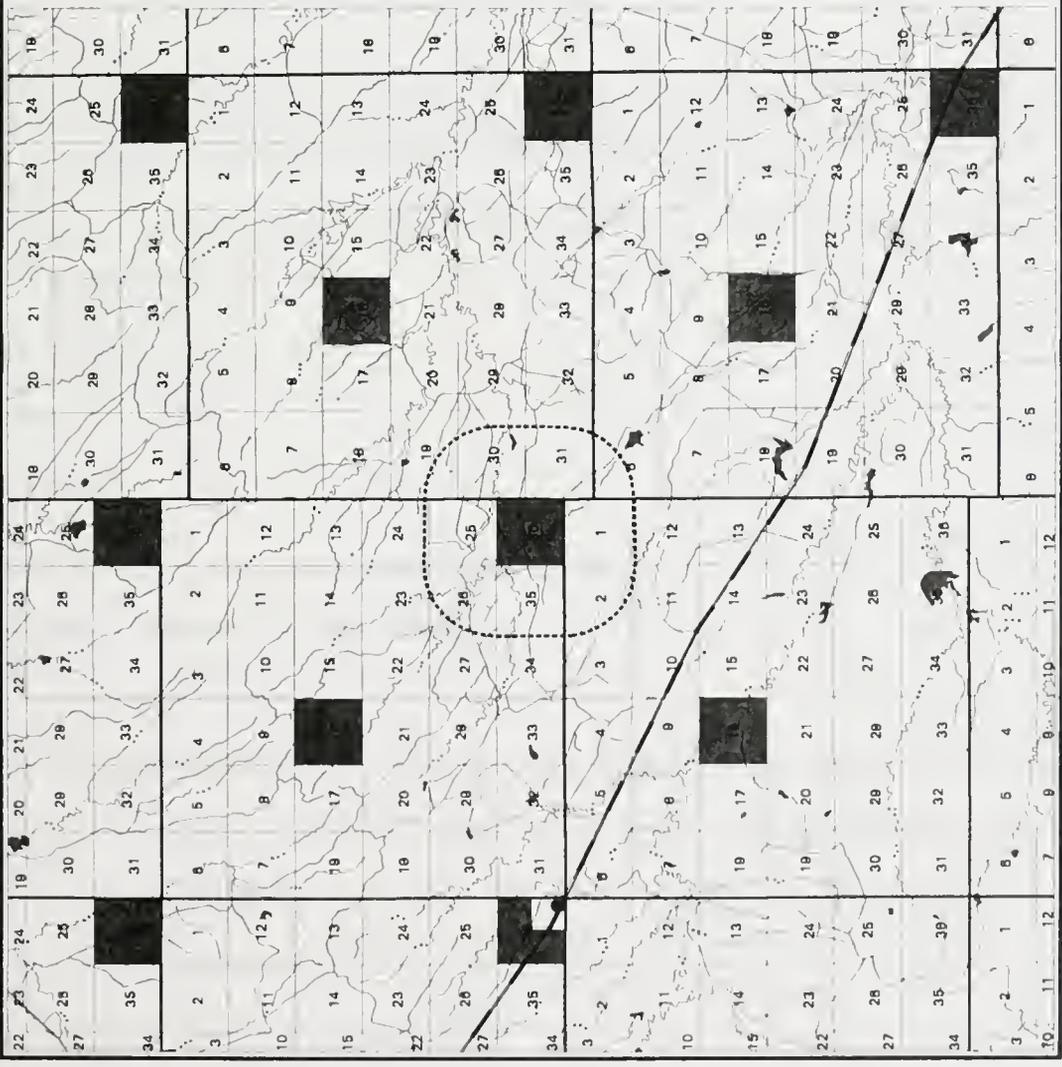
App. # 5044^A is adjacent to Custer National Forest

~ 1-2 miles from this site. It will have the sensitive areas stipulation utilized on its lease due to its location adjacent to the Forest.



Montana Species of Concern T07S, R57E, S36 Carter County, App#5081

- Point Locations**
- ◆ Animal
 - Plant
 - ★ Plant Community
 - ⊕ Other
- Land Status**
- BLM
 - BOR (BuRec)
 - CoE & Other DOD
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & Institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (ell agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, ONA, ...)
- Search Area



- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
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 - Refer to accompanying documentation for full explanation of map features.



Request mhp6175
July 03, 2001

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T07S, R57E, S36
Carter County, App#5081

Scientific Name: ASTRAGALUS RACEMOSUS VAR RACEMOSUS

Common Name: RACEME MILKVETCH

Global Rank G5T5

Forest Service status:

State Rank: S2

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

SCATTERED COLONIES.

Last observation: 1988-06-18

Size (acres): 0

General site description:

IN GRASSLANDS, WITH STIPA COMATA AND AGROPYRON SMITHII.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

ELEVATION READS 3,400 FT BUT HIS DESCRIPTION READS CA. 6 MILES. MILEAGE WAS FOLLOWED FOR LOCATION OF EO; RECORD LOCATION IS GENERAL NOT SPECIFIC. ORIGINALLY DETERMINED BY BARNEBY AS A. R. VAR. LONGISETUS AND ANNOTATED BY HIM TO A. R. VAR. RACEMOSUS.

Information source

LESICA, PETER. DIVISION OF BIOLOGICAL SCIENCES, UNIVERSITY OF MONTANA, MISSOULA, MT 59812.

Survey site name: CAMP CREEK

County: CARTER

USGS quadrangle: GREASY HILL

Precision: G

Elevation (ft): 3580

Location:

ALONG HIGHWAY 212; CA. 6 MI. SOUTHEAST OF HAMMOND.

Township\Range:	Section:	TRS comments:
007S056E	36	SE4

*App # 5081 T 7 S, R 57 E Sec 36 is ~ 5-6 miles
From this MT Heritage site. Similar to lower elevation is
present as well as some similar topography aspects.
The vegetation survey will be utilized on the tract
here.*



Montana Species of Concern T07S, R58E, S16 Carter County, App#5001

- Biological Data**
- ◆ Animal
 - Plant
 - ★ Plant Community
 - ⊕ Other
- Land Status**
- BLM
 - BOB (BuRec)
 - CoE & Other DOO
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (all agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, ONA, ...)

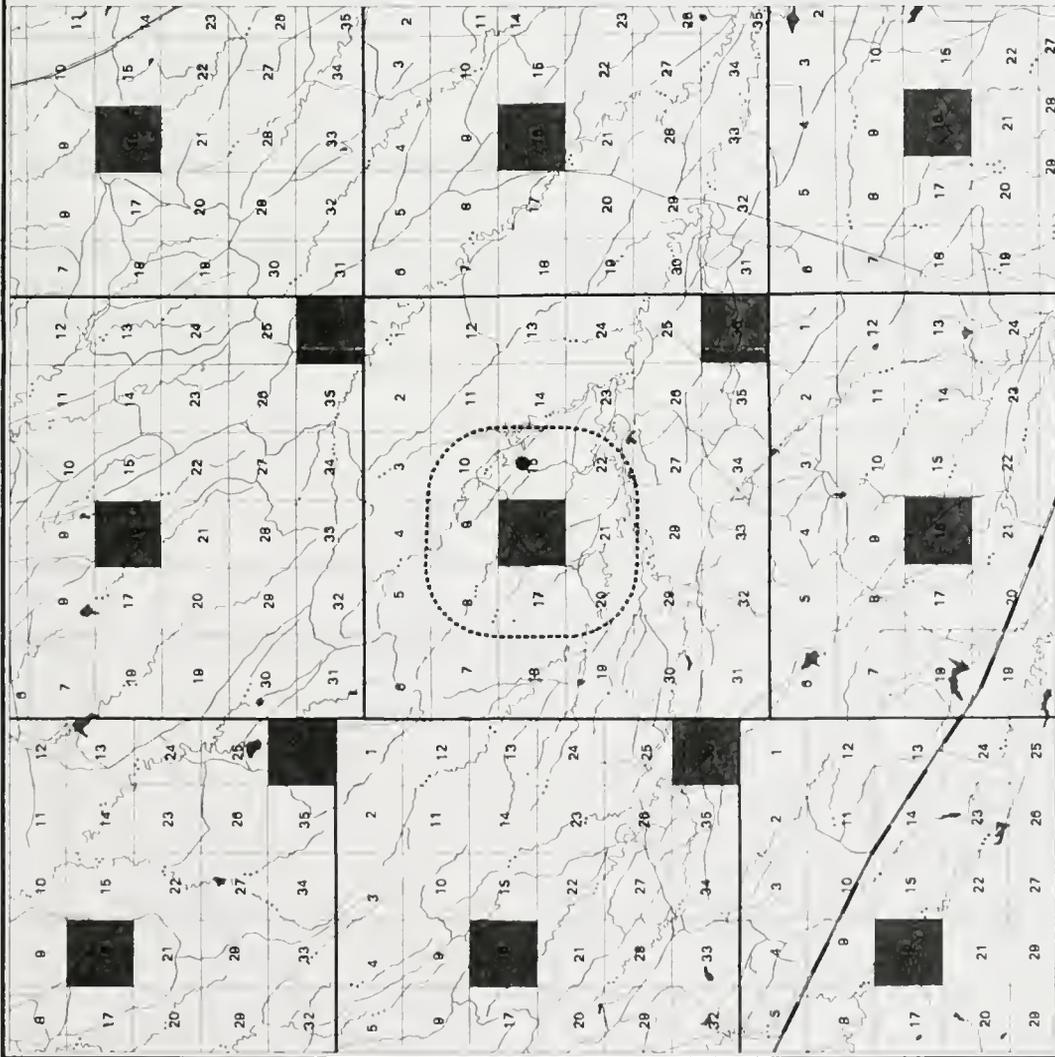
..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
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Natural Resource Information System
Montana Natural Heritage Library
Helena, MT 59601-0000
(406) 443-0000
http://www.mtnaturalheritage.com

Request nhp6176
July 03, 2001



1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice.

2. The second part outlines the procedures for handling discrepancies between the recorded amounts and the actual cash received. It suggests a systematic approach to identify the source of the error.

3. The third part provides a detailed breakdown of the monthly financial statements, including the income statement, balance sheet, and cash flow statement.

Item	Quantity	Unit Price	Total Value
Office Supplies	100	0.50	50.00
Travel Expenses	500	1.00	500.00
Utilities	200	0.25	50.00
Salaries	1000	1.00	1000.00
Depreciation	100	0.50	50.00
Interest	100	0.50	50.00
Income Tax	100	0.50	50.00
Profit	100	0.50	50.00
Total	3000	0.50	1500.00

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T07S, R58E, S16
Carter County, App#5001

Scientific Name: ASTRAGALUS RACEMOSUS VAR RACEMOSUS

Common Name: RACEME MILKVETCH

Global Rank G5T5

Forest Service status:

State Rank: S2

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

50+ WIDELY SCATTERED PLANTS; TWO SUBPOPULATIONS; 90% VEGETATIVE, 1 PLANT WITH FRUIT.

Last observation: 1997-08-14

Size (acres): 10

General site description:

AREA CONSISTS OF ROLLING UPLANDS AND VALLEY BOTTOM. PLANTS ON DRY, OPEN BOTTOM AND LOWER SLOPES IN CLAY OVER SHALE PARENT. AGROPYRON DASYSTACHYUM AND SARCOBATUS VERMICULATUS/AGROPYRON DASYSTACHYUM HT. ASSOCIATED PLANTS INCLUDE ERIOGONUM PAUCIFLORUM, STIPA VIRIDULA, ARTEMISIA TRIDENTATA, AND GUTTIEREA SAROTHRAE.

Land owner/manager

BLM: MILES CITY FIELD OFFICE

Comments:

OBSERVED BY J. VANDERHORST AND S. COOPER.

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: DUNCAN CREEK

County: CARTER

USGS quadrangle: BLACK POINT NE

Precision: S

Elevation (ft): 3500

Location:

DUNCAN CREEK; CA. 16 AIR MILES NORTHWEST OF ALZADA.

Township\Range:

Section:

TRS comments:

007S058E

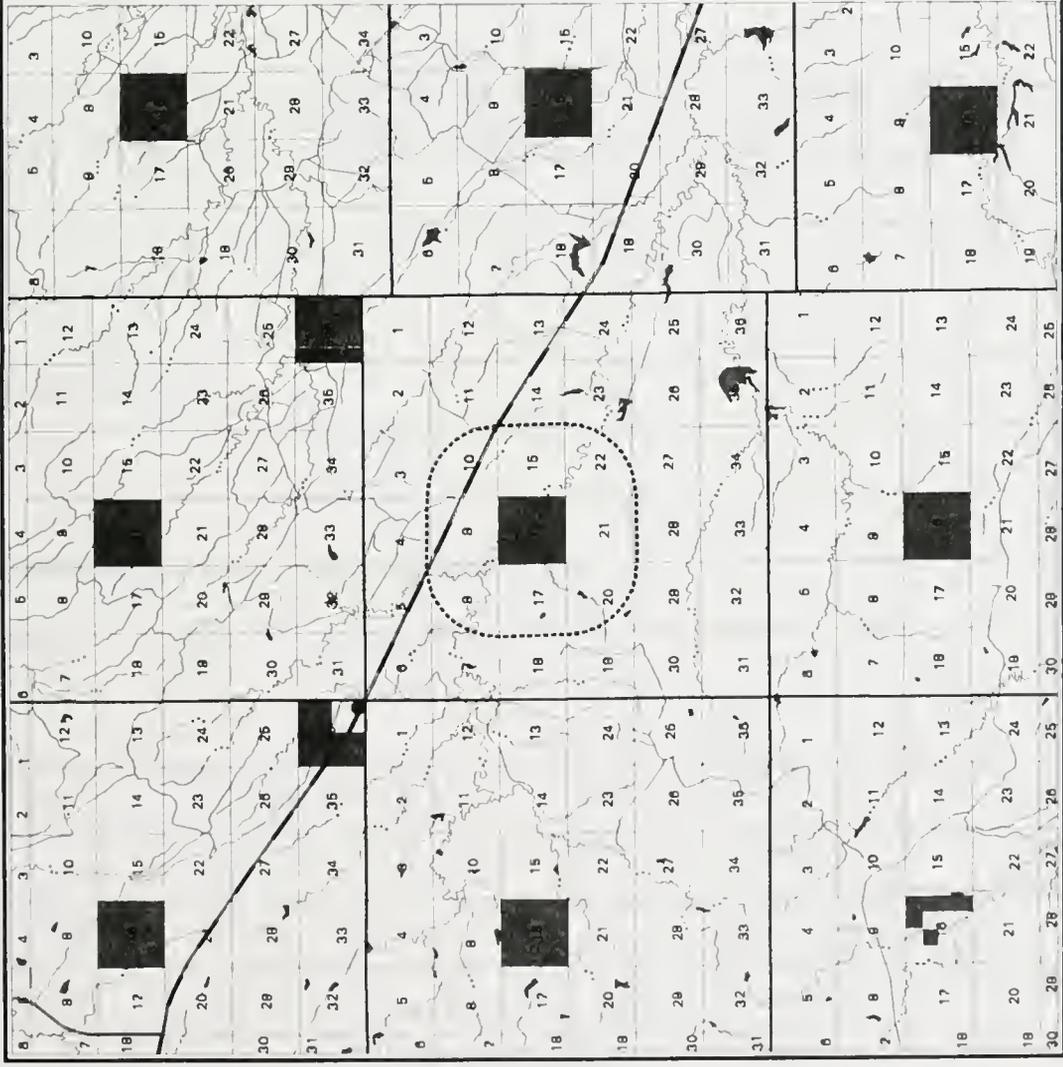
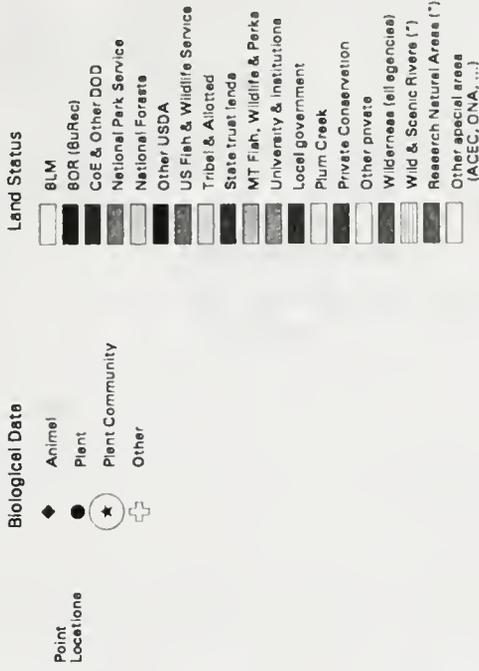
15

NE4

*App. # 5001 T75, R58E, Sec. 16 is ~ 1/2 to 1 1/2 mile
From this site. Similar habitat scattered in section.
The vegetation survey stipulation will be utilized
on this tract's lease*



Montana Species of Concern T08S, R57E, S16 Carter County, App#5083



- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
 - Not all legend items may occur on map.
 - Features shown on this map do not imply public access to any lands.
 - Refer to accompanying documentation for full explanation of map features.

Scale of Miles 0 1 2 3 4 5 6 7



Request nhp08178
July 03, 2001

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T08S, R57E, S16
Carter County, App#5083

Scientific Name: ASTRAGALUS RACEMOSUS VAR RACEMOSUS

Common Name: RACEME MILKVETCH

Global Rank G5T5

Forest Service status:

State Rank: S2

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

SCATTERED COLONIES.

Last observation: 1988-06-18

Size (acres): 0

General site description:

IN GRASSLANDS, WITH STIPA COMATA AND AGROPYRON SMITHII.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

ELEVATION READS 3,400 FT BUT HIS DESCRIPTION READS CA. 6 MILES. MILEAGE WAS FOLLOWED FOR LOCATION OF EO; RECORD LOCATION IS GENERAL NOT SPECIFIC. ORIGINALLY DETERMINED BY BARNEBY AS A. R. VAR. LONGISETUS AND ANNOTATED BY HIM TO A. R. VAR. RACEMOSUS.

Information source

LESICA, PETER. DIVISION OF BIOLOGICAL SCIENCES, UNIVERSITY OF MONTANA, MISSOULA, MT 59812.

Survey site name: CAMP CREEK

County: CARTER

USGS quadrangle: GREASY HILL

Precision: G

Elevation (ft): 3580

Location:

ALONG HIGHWAY 212; CA. 6 MI. SOUTHEAST OF HAMMOND.

Township\Range: Section: TRS comments:

007S056E 36 SE4

App. # 5083 T8S, R57E, Sec. 16 is ~ 2 to 3 miles away from this site. Hwy 212 does not cut the tract. Numerous int. streams cut the tract and elevation is lower than that shown on the topographic map for the site. Aspect is more to the north and east. -Dissimilar habitat & distance. - No impact-



Montana Species of Concern T08S, R57E, S36 Carter County, App#5084

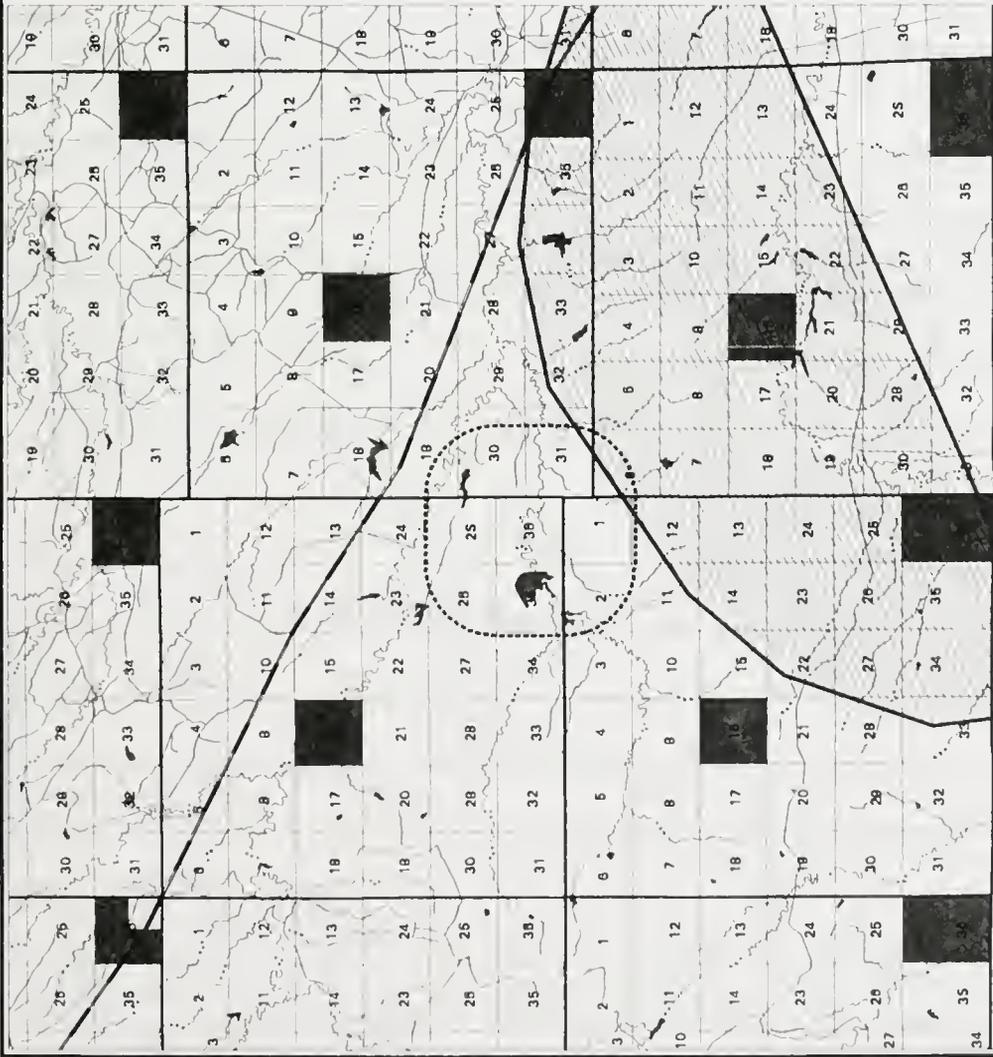
- Biological Date**
- ◆ Animal
 - Plant
 - ★ Plant Community
 - ⊕ Other
 - Populations covering large areas
- Land Status**
- BLM
 - BOR (Bu/Rac)
 - CoE & Other DOD
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & Institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (all agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, ONA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
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- Refer to accompanying documentation for full explanation of map features.



Request mhp6179
July 03, 2001



1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing reliable information to stakeholders.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps from identifying a transaction to entering it into the accounting system, ensuring that all necessary information is captured and verified.

3. The third part of the document addresses the role of the accounting department in monitoring and controlling the company's financial performance. It discusses how regular reviews and audits can help identify potential issues and ensure compliance with applicable laws and regulations.

Transaction Date	Description	Amount	Account
2023-01-15	Office Supplies	150.00	Office Expenses
2023-01-20	Client Meeting	200.00	Travel Expenses
2023-02-01	Equipment Purchase	500.00	Capital Expenditures
2023-02-10	Software License	300.00	IT Expenses
2023-02-15	Employee Salary	1000.00	Payroll
2023-02-20	Marketing Campaign	750.00	Advertising
2023-03-01	Utilities	100.00	Operating Expenses
2023-03-05	Insurance Premium	250.00	Insurance
2023-03-10	Research & Development	400.00	R&D Expenses
2023-03-15	Legal Fees	180.00	Professional Fees

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T08S, R57E, S36
Carter County, App#5084

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

Elevation (ft):

Location:

GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

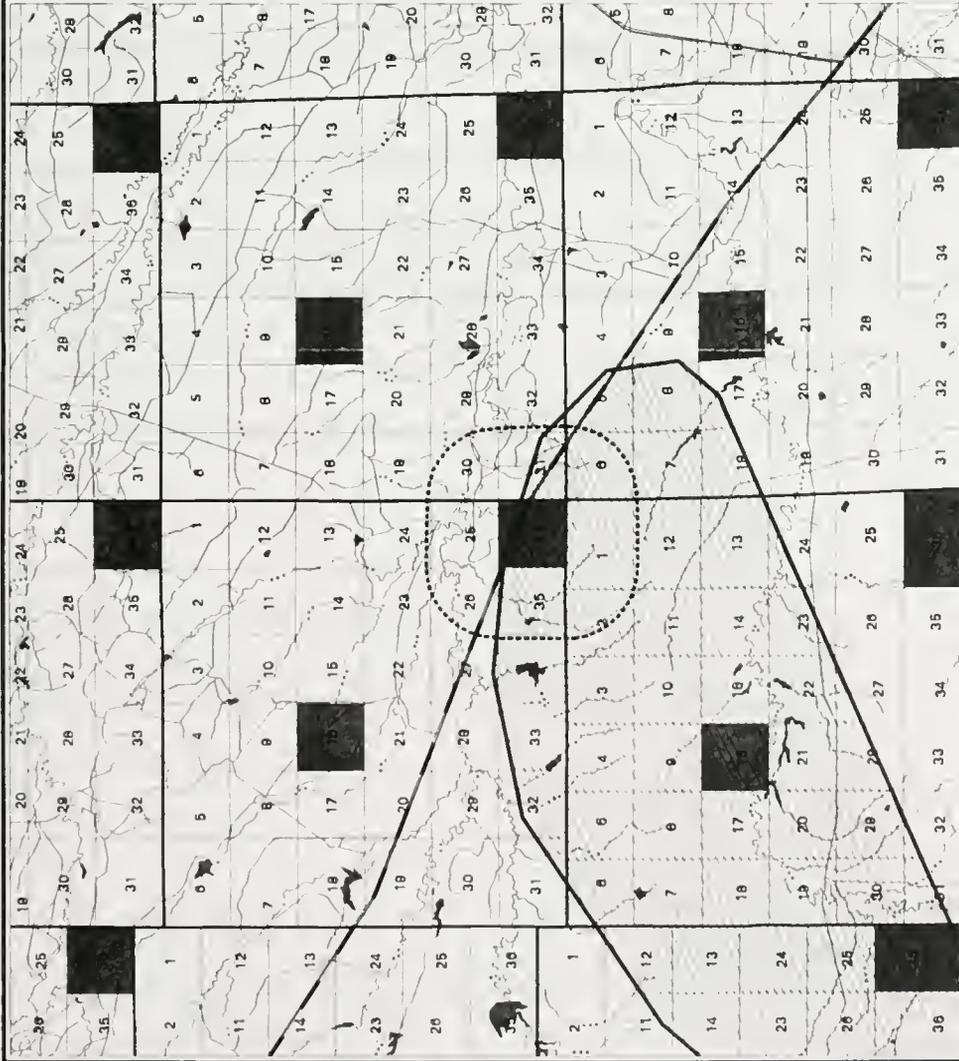
Township\Range:	Section:	TRS comments:
009S058E		
008S059E	00	
008S058E	00	
009S059E	00	
009S057E	00	

*App # 5084 T8S R57E Sec. 36 is ~ 3/4 to 1 3/4 miles
From the Ferruginous hawk area boundary. - No impact.*



Montana Species of Concern T08S, R58E, S36 Carter County, App#5086

- Biological Date**
- ◆ Animal
 - Plant
 - ⊙ Plant Community
 - ⊕ Other
 - ▭ Birds
- Point Locations**
- Populations covering large areas**
- Land Status**
- BLM
 - BOB (BuRec)
 - CoE & Other DOD
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & Institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (all agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, DNA, ...)
- Search Area



- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area
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 - Refer to accompanying documentation for full explanation of map features.

Scale of Miles 0 1 2 3 4 5 6 7



Request nhp6180
 July 03, 2001

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is essential for identifying and correcting errors in a timely manner.

2. The second part of the document focuses on the role of internal controls in preventing fraud and misstatements. It outlines various control procedures, such as segregation of duties, authorization requirements, and regular reconciliations. The text stresses that these controls are not only necessary for the protection of the organization's assets but also for the reliability of the financial reporting process.

3. The final part of the document discusses the importance of transparency and communication in financial reporting. It highlights the need for clear and concise disclosures that provide stakeholders with the information they need to make informed decisions. The text also mentions that effective communication is key to building trust and maintaining the confidence of investors and other interested parties.

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T08S, R58E, S36
Carter County, App#5086

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

Elevation (ft):

Location:

GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

Township\Range: Section: TRS comments:

009S058E		
008S059E	00	
008S058E	00	
009S059E	00	
009S057E	00	

App. # 5086 T8S, R58E Sec. 36 is mostly within the Ferruginous hawk area. The wildlife survey stipulation will be utilized on this tract's lease.



Montana Species of Concern T09S, R57E, S16 Carter County, App# 5005

Biological Data

◆ Animal
● Plant
⊙ Plant Community
⊕ Other

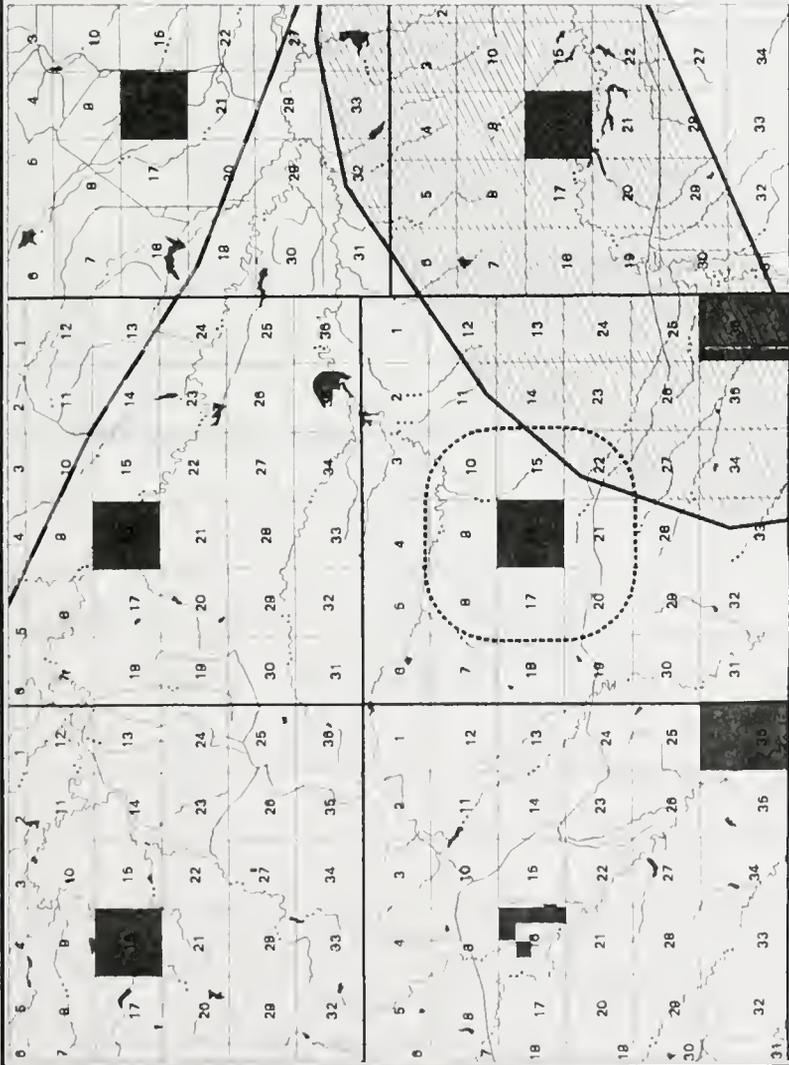
Point Locations

Populations covering large areas

Land Status

- BLM
- BOR (BuRec)
- CoE & Other DOD
- National Park Service
- National Forests
- Other USDA
- US Fish & Wildlife Service
- Tribal & Allotted
- State trust lands
- MT Fish, Wildlife & Parks
- University & institutions
- Local government
- Plum Creek
- Private Conservation
- Other private
- Wilderness (all agencies)
- Wild & Scenic Rivers (*)
- Research Natural Areas (*)
- Other special areas (ACEC, ONA, ...)

..... Search Area



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Request nhp6188
July 04, 2001

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is essential for identifying and correcting errors in a timely manner.

2. The second part of the document focuses on the role of internal controls in preventing fraud and misstatements. It outlines various control procedures, such as segregation of duties, authorization requirements, and regular reconciliations. The text stresses that these controls are not only necessary for the protection of assets but also for the overall reliability of the accounting system.

3. The final part of the document addresses the importance of transparency and communication in the financial reporting process. It encourages the use of clear and concise language in all financial documents and the timely disclosure of any significant events or changes. The text concludes by stating that a commitment to transparency and open communication is essential for building trust and confidence among stakeholders.

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R57E, S16
Carter County, App # 5005

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank: G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

Elevation (ft):

Location:

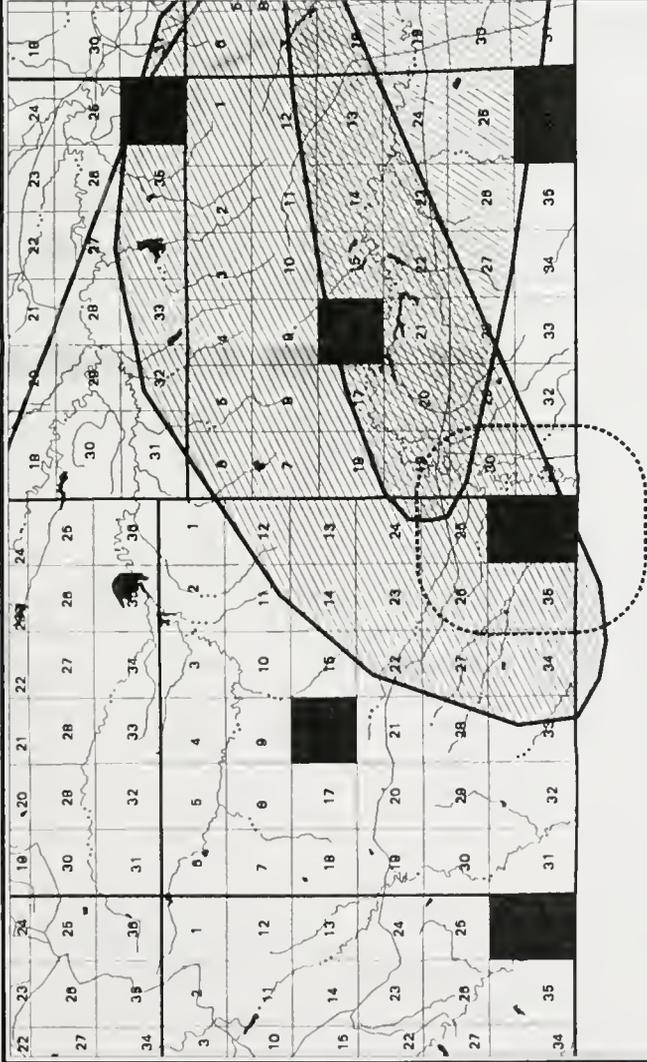
GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

Township\Range:	Section:	TRS comments:
009S058E		
008S059E	00	
008S058E	00	
009S059E	00	
009S057E	00	

App. # 5005 T9S, R57E Sec. 16 is outside the Ferruginous hawk area. - No impact - It is ~ 3/8 to 1 3/8 mile away from boundary edge.



Montana Species of Concern T09S, R57E, S36 Carter County, App# 5006



Point Location

- ◆ Animal
- Plant
- ★ Plant Community
- ⊕ Other

Biological Date

- ▭ Birds
- ▭ Mammals

Populations covering large areas

- ▭ (with diagonal lines)
- ▭ (with horizontal lines)
- ▭ (with vertical lines)
- ▭ (with cross-hatch)

Land Status

- ▭ BLM
- ▭ BOR (BuRec)
- ▭ CoE & Other DOD
- ▭ National Park Service
- ▭ National Forests
- ▭ Other USDA
- ▭ US Fish & Wildlife Service
- ▭ Tribal & Allotted
- ▭ State Trust lands
- ▭ MT Fish, Wildlife & Parks
- ▭ University & Institutions
- ▭ Local government
- ▭ Plum Creek
- ▭ Private Conservation
- ▭ Other private
- ▭ Wilderness (all agencies)
- ▭ Wild & Scenic Rivers (*)
- ▭ Research Natural Areas (*)
- ▭ Other special areas (ACEC, ONA, ...)

----- Search Area

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Request nhp6187
July 04, 2001

Date	Description	Debit	Credit	Balance
1890				
Jan 1	Balance			
Jan 15	...			
Jan 30	...			
Feb 1	...			
Feb 15	...			
Feb 28	...			
Mar 1	...			
Mar 15	...			
Mar 31	...			
Apr 1	...			
Apr 15	...			
Apr 30	...			
May 1	...			
May 15	...			
May 31	...			
Jun 1	...			
Jun 15	...			
Jun 30	...			
Jul 1	...			
Jul 15	...			
Jul 31	...			
Aug 1	...			
Aug 15	...			
Aug 31	...			
Sep 1	...			
Sep 15	...			
Sep 30	...			
Oct 1	...			
Oct 15	...			
Oct 31	...			
Nov 1	...			
Nov 15	...			
Nov 30	...			
Dec 1	...			
Dec 15	...			
Dec 31	...			

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R57E, S36
Carter County, App # 5006

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank: G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

Elevation (ft):

Location:

GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

Township\Range:	Section:	TRS comments:
009S058E		
008S059E	00	
008S058E	00	
009S059E	00	
009S057E	00	

App. # 5006 T9S, R57E, Sec. 36 is mostly within the Ferruginous hawk area. The wildlife survey stipulation will be utilized on this tract's lease.



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R57E, S36
Carter County, App # 5006

Scientific Name: SOREX NANUS

Common Name: DWARF SHREW

Global Rank G4

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

TOTAL OF 16 SPECIMENS COLLECTED IN 1979-1980 AT 10 LOCATIONS.

Last observation: 1980-08-19

Size (acres):

General site description:

Land owner/manager

BLM: MILES CITY FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

Information source

SIEG, C. H., D. W. URESK, AND R. M. HANSEN. 1986. THE VALUE OF BENTONITE MINE SPOILS IN SOUTHEASTERN MONTANA AS SMALL MAMMAL HABITAT. NORTHWEST SCIENCE 60(4):218-224.

Survey site name: ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: G

Elevation (ft): 3400

Location:

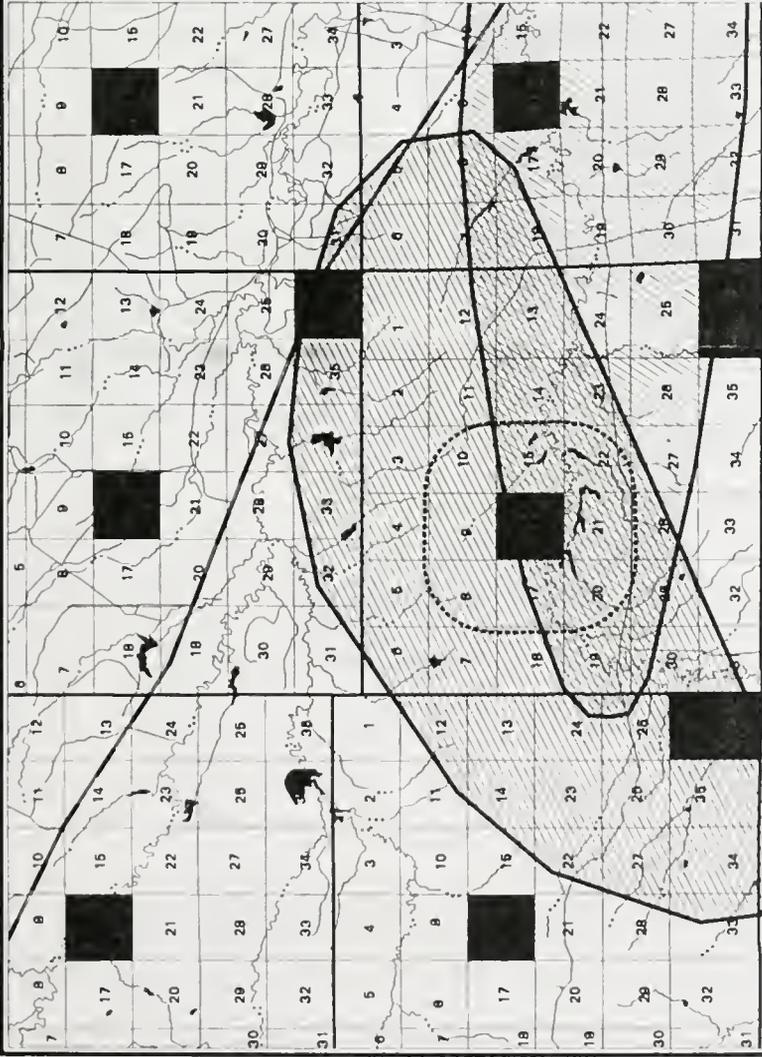
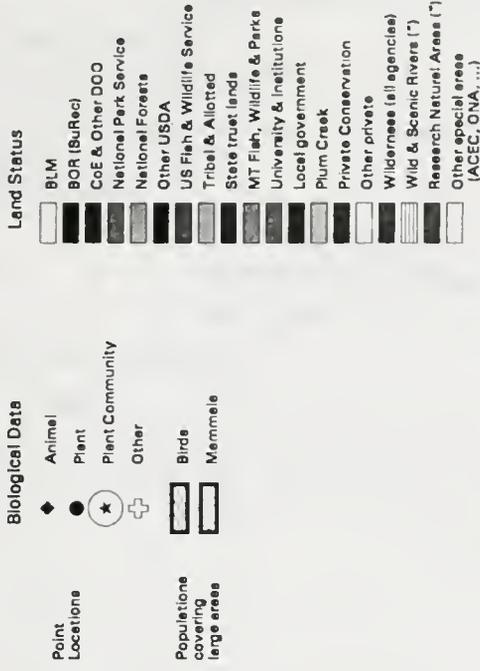
VICINITY OF ALZADA AND WEST CA. 12 MILES UP THOMPSON CREEK.

Township\Range:	Section:	TRS comments:
009S059E		
009S058E		MANY SECTIONS
009S057E	24	SE4; 25 NE4
009S060E		MANY SECTIONS

*App. # 5006 T9S, R57E, Sec. 36 is
 ~ 3/8 to ~ 1 3/4 miles away from boundary edge.
 - No impact -*



Montana Species of Concern T09S, R58E, S16 Carter County, App# 5089



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- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.



Request nhp8188
July 04, 2001

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is essential for identifying trends and anomalies in the data.

2. The second part of the document focuses on the role of internal controls in preventing fraud and errors. It outlines several key components of an effective internal control system, including segregation of duties, authorization requirements, and regular reconciliations. The text stresses that these controls are not just for compliance but are also vital for the overall health and sustainability of the organization.

3. The final part of the document provides a summary of the key points discussed and offers some practical advice for implementing these principles. It concludes by stating that a strong foundation in these areas is necessary for any organization looking to achieve long-term success and financial stability.

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R58E, S16
Carter County, App # 5089

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

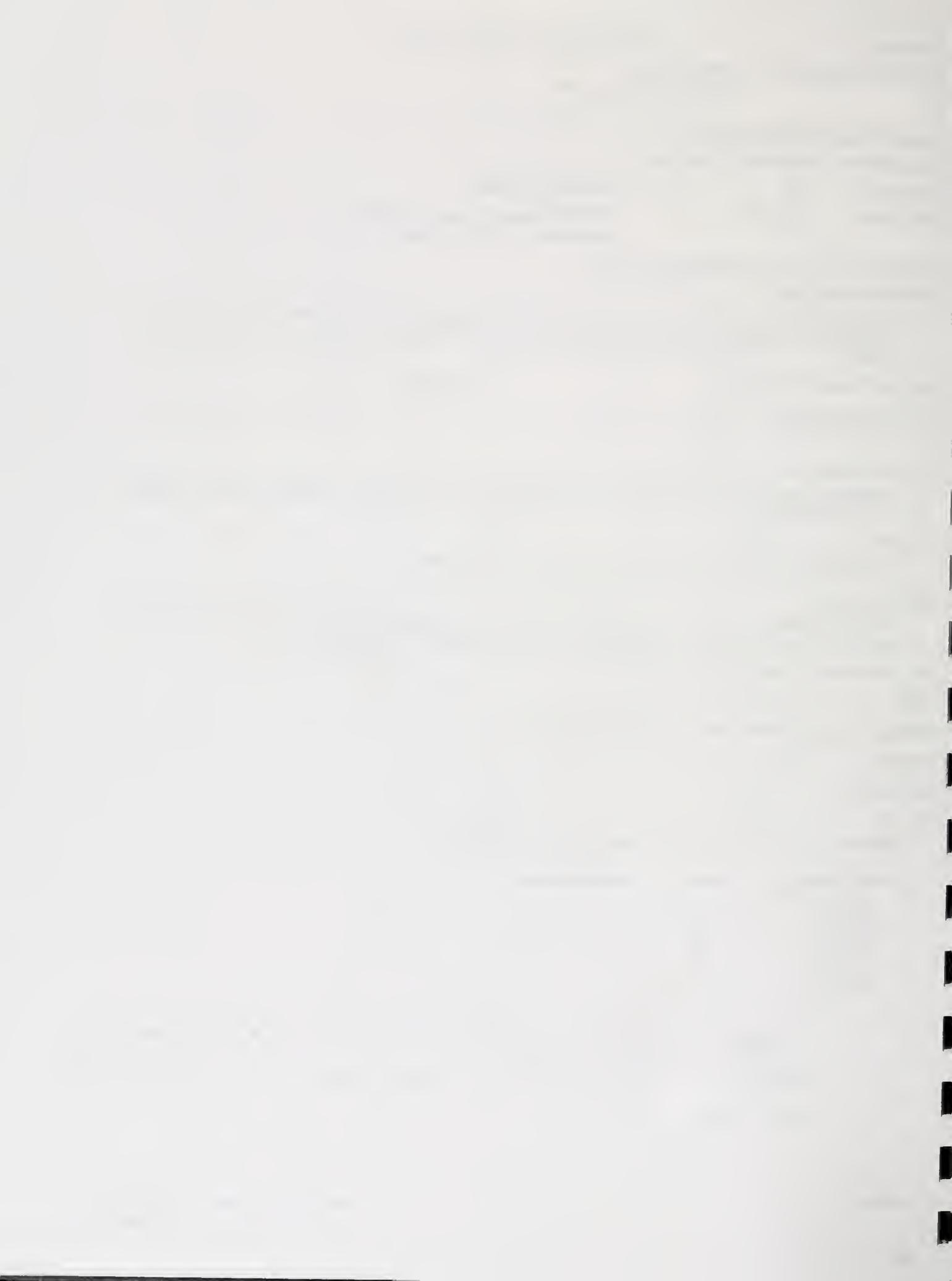
Elevation (ft):

Location:

GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

Township\Range:	Section:	TRS comments:
009S058E		
008S059E	00	
008S058E	00	
009S059E	00	
009S057E	00	

App # 5089 T95, R58E, Sec. 16 is within the Ferruginous hawk area. The wildlife survey stipulation will be utilized on this tract's lease.



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R58E, S16
Carter County, App # 5089

Scientific Name: SOREX NANUS

Common Name: DWARF SHREW

Global Rank G4

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

TOTAL OF 16 SPECIMENS COLLECTED IN 1979-1980 AT 10 LOCATIONS.

Last observation: 1980-08-19

Size (acres):

General site description:

Land owner/manager

BLM: MILES CITY FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

Information source

SIEG, C. H., D. W. URESK, AND R. M. HANSEN. 1986. THE VALUE OF BENTONITE MINE SPOILS IN SOUTHEASTERN MONTANA AS SMALL MAMMAL HABITAT. NORTHWEST SCIENCE 60(4):218-224.

Survey site name: ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: G

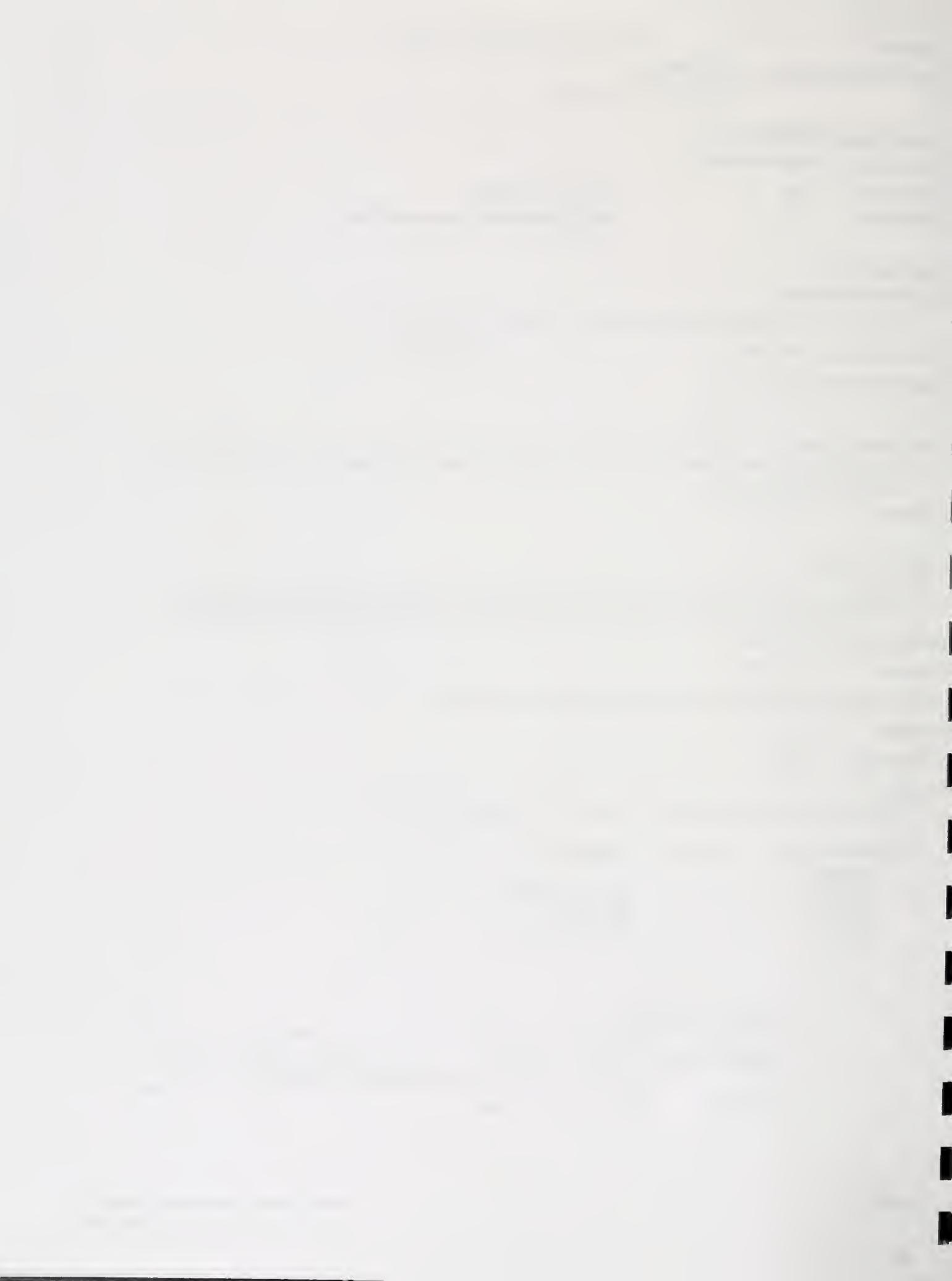
Elevation (ft): 3400

Location:

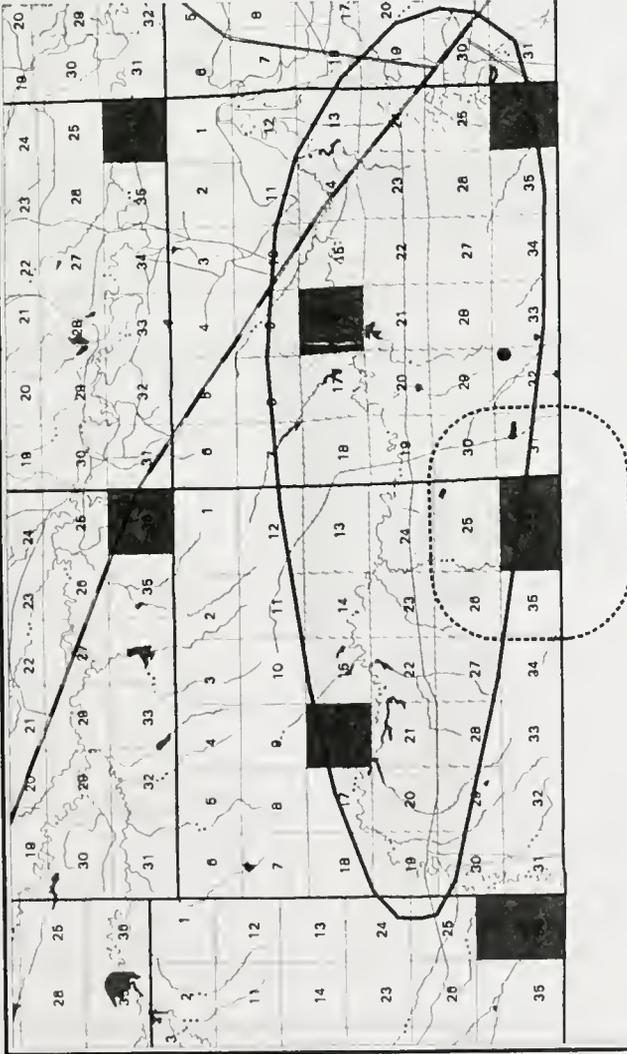
VICINITY OF ALZADA AND WEST CA. 12 MILES UP THOMPSON CREEK.

Township\Range:	Section:	TRS comments:
009S059E		
009S058E		MANY SECTIONS
009S057E	24	SE4; 25 NE4
009S060E		MANY SECTIONS

App. # 5089 T9S, R58E Sec. 16 is ^{mainly} within the dwarf shrew area. The (wildlife) ^{etc MDFWP regarding} ~~survey~~ stipulation will be utilized on this tract's lease.



Montana Species of Concern T09S, R58E, S36 Carter County, App# 5090



Biological Data

- ◆ Animal
- Plant
- ★ Plant Community
- ⊕ Other
- ▭ Mammals
- ▭ Plant populations covering large areas

Land Status

- BLM
- BOR (BuRec)
- CoE & Other DOD
- National Park Service
- National Forests
- Other USDA
- US Fish & Wildlife Service
- Tribal & Allotted
- State trust lands
- MT Fish, Wildlife & Parks
- University & Institutions
- Local government
- Plum Creek
- Private Conservation
- Other private
- Wilderness (all agencies)
- Wild & Scenic Rivers (*)
- Research Natural Areas (*)
- Other special areas (ACEC, ONA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.

Scale of Miles



MONTANA
Natural Heritage
Program

Request rhp6189
July 04, 2001

THE
MUSEUM
OF
THE
CITY OF
NEW YORK
AND
THE
HUNTERIAN SOCIETY

THE
MUSEUM
OF
THE
CITY OF
NEW YORK
AND
THE
HUNTERIAN SOCIETY

Scientific Name: SOREX NANUS
Common Name: DWARF SHREW

Global Rank G4 Forest Service status:
State Rank: S3 USFWS Endangered Species Act Status:
BLM Status:

Occurrence Type:

Species occurrence data:
TOTAL OF 16 SPECIMENS COLLECTED IN 1979-1980 AT 10 LOCATIONS.

Last observation: 1980-08-19 Size (acres):

General site description:

Land owner/manager

BLM: MILES CITY FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

Information source

SIEG, C. H., D. W. URESK, AND R. M. HANSEN. 1986. THE VALUE OF BENTONITE MINE SPOILS IN SOUTHEASTERN MONTANA AS SMALL MAMMAL HABITAT. NORTHWEST SCIENCE 60(4):218-224.

Survey site name: ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: G

Elevation (ft): 3400

Location:

VICINITY OF ALZADA AND WEST CA. 12 MILES UP THOMPSON CREEK.

Township\Range:	Section:	TRS comments:
009S059E		
009S058E		MANY SECTIONS
009S057E	24	SE4; 25 NE4
009S060E		MANY SECTIONS

*App #5090 T9S, R58E Sec. 36 is partly within and is adjacent to the dwarf shrew boundary. Bentonite mining occurs/has occurred on this tract. The (*wildlife) survey stipulation will be utilized on this tract's lease. Bentonite mining etc MDFWP regarding survey stipulation will*



04-Jul-01

Species of Special Concern: T09S, R58E, S36
Carter County, App # 5090

Scientific Name: QUERCUS MACROCARPA

Common Name: BUR OAK

Global Rank G5

Forest Service status:

State Rank: S1

USFWS Endangered Species Act Status:

BLM Status: SENSITIVE

Occurrence Type:

Species occurrence data:

1996: NO REGENERATION OR ACORN PRODUCTION. 1995: >100 PLANTS IN T9S, R60E, S31; FLOWERING. 1992: EST. 5,000 TO 10,000 TREES AS DOMINANTS OR CO-DOMINANTS ACROSS MUCH OF SCATTERED SAVANNA AND SCRUB WOODLAND COMMUNITIES; 10-20 FEET TALL, MOSTLY LESS THAN 20 CM DBH, MAXIMUM DBH CA. 45 CM. IN LEAF; SEEDLINGS; INSECT DAMAGE. DIMINISHING IN FREQUENCY WESTWARD AND DOWNSLOPE. ACORN PRODUCTION LOW IN 1992.

Last observation: 1996-07-12

Size (acres): 1200

General site description:

CONCENTRATED ON EASTERN THREE-FOURTHS OF NW-SE TRENDING SHALE RIDGE SYSTEMS, ALSO EXTENDING EAST TO LITTLE MISSOURI RIVER. MOWRY SHALE-HEAVY CLAY SOIL; PINUS PONDEROSA/QUERCUS MACROCARPA/JUNIPERUS SCOPULORUM WOODLAND WITH ALMOST NO SHRUB UNDERSTORY, ALMOST NO WOODLAND HERBACEOUS UNDERSTORY; MAINLY CAREX PENNSYLVANICA AND PRAIRIE GRASSES, WITH SLIGHTLY MORE FORB COVER AT EAST END WHERE SANDY LOAM OVERLIES SHALE.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); BLM: MILES CITY FIELD OFFICE; STATE LAND - UNDESIGNATED

Comments:

1996: K. DUEHOLM REPORTED 3 ADDITIONAL LOCATIONS WITHIN THE THE AREA ENCOMPASSED BY THIS RECORD. OCCURRENCE IS AMONG WESTERNMOST STANDS OF BUR OAK RANGEWIDE; EXTENDS INTO WYOMING. MINING ROADS AND GRAZING AFFECTING AREA; BENTONITE MINING OCCURRING ACROSS WESTERN PORTION OF STAND. NOTE THAT FIRSTOBS YEAR IS ACTUALLY "194?" - ENTERED AS "1940" FOR DATA TRANSFER PURPOSES. LESICA SPECIMEN 4123 ATTRIBUTED TO SECTION 21, BUT SITE DESCRIPTION MATCHES THAT OF SECTION 31. THREE SUBPOPULATIONS WITH MAPPED BOUNDARIES WERE DIGITIZED (3/10/99); ELEMENT OCCURRENCE COVERS LARGER AREA THAN DIGITIZED SUBPOPULATIONS.

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: ALZADA OAKS

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: S

Elevation (ft): 3435

Location:

FROM ALZADA GO NORTH ON HWY 212 CA. 1 MILE, CROSS RIVER, AND TAKE RIDGE ROAD WEST 5.4 MILES. PROCEED SOUTH ON UNIMPROVED ROAD CA. 2 MILES TO SHELDON CREEK.

Township\Range: Section: TRS comments:



Species of Special Concern: T09S, R58E, S36
Carter County, App # 5090

009S058E	36	E2SE4; 35 S2S2; 34 S2S2; 33
009S060E	31	NW4NW4

App # 5090 T9S, R58E, Sec. 36 contains Bur oak sites.
The avoid wooded areas stipulation will be utilized on
this tracts lease



Montana Natural Heritage Program

04-Jul-01

Species of Special Concern: T09S, R58E, S36
Carter County, App # 5090

Scientific Name: NUTTALLANTHUS TEXANUS

Common Name: BLUE TOADFLAX

Global Rank G4G5

Forest Service status:

State Rank: S1

USFWS Endangered Species Act Status:

BLM Status: WATCH

Occurrence Type:

Species occurrence data:

100-1000 PLANTS; IN FLOWER AND FRUIT.

Last observation: 1986-06-15

Size (acres): 1

General site description:

MOWRY SHALE-CLAY; PINE-OAK-JUNIPER WOODLAND, WITH CRYPTANTHA TORREYANA, MENTZELIA DISPERSA, MENTZELIA ALBICAULIS, FESTUCA OCTOFLORA.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); BLM: MILES CITY FIELD OFFICE

Comments:

"SAW ONE SITE-PROBABLY MORE IN AREA."

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: ALZADA OAKS

County: CARTER

USGS quadrangle: GOMER DRAW

Precision: M

Elevation (ft): 3630

Location:

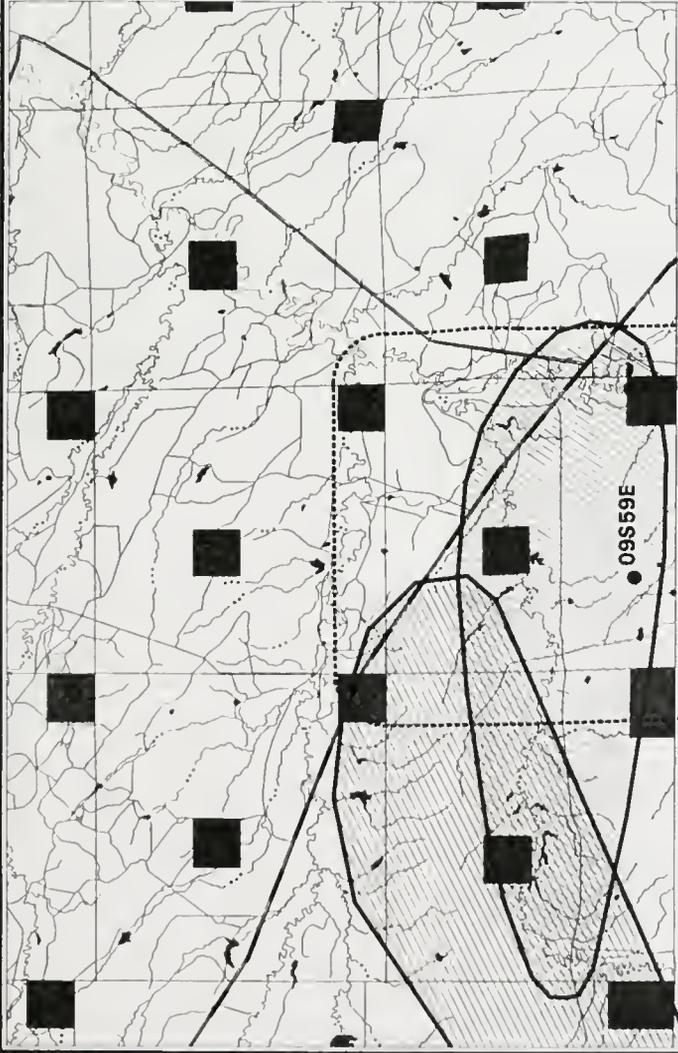
FROM ALZADA GO NORTH ON HWY 212, CROSS RIVER, TAKE RIDGE ROAD WEST ABOUT 5.4 MILES. PROCEED SOUTH ON UNIMPROVED ROAD ABOUT 2 MILES TO SHELDON CREEK.

Township\Range:	Section:	TRS comments:
009S059E	32	

App # 5090 T9S, R58E, Sec 36 is ~ 1 3/4 to ~ 3 1/4 miles from this site. Similar habitat. The vegetation survey stipulation will be utilized on this tract's lease.



Montana Species of Concern T09S, R59E Carter County, App# 5091 & 5092



- Biological Data**
- ◆ Point Locations
 - Animal
 - Plant
 - ⊛ Plant Community
 - ⊕ Other
 - ▭ Populations covering large areas
 - ▭ Birds
 - ▭ Mammals
 - ▭ Plant populations
- Land Status**
- ▭ BLM
 - ▭ BOR (BuRecl)
 - ▭ CoE & Other DOD
 - ▭ National Park Service
 - ▭ National Forests
 - ▭ Other USDA
 - ▭ US Fish & Wildlife Service
 - ▭ Tribal & Allotment
 - ▭ State trust lands
 - ▭ MT Fish, Wildlife & Parks
 - ▭ University & Institutions
 - ▭ Local government
 - ▭ Plum Creek
 - ▭ Private Conservation
 - ▭ Other private
 - ▭ Wilderness (all agencies)
 - ▭ Wild & Scenic Rivers (*)
 - ▭ Research Natural Areas (*)
 - ▭ Other special areas (ACEC, ONA, ...)

----- Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.



Request: nhp6190
July 04, 2001



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R59E
Carter County, App # 5091 & 5092

Scientific Name: BUTEO REGALIS

Common Name: FERRUGINOUS HAWK

Global Rank G4

Forest Service status:

State Rank: S3B,SZN

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type: OCCUPIED BREEDING HABITAT

Species occurrence data:

BREEDING POPULATION OF CA. 5 PAIRS. THE BOUNDARIES FOR THIS OCCURRENCE ENCOMPASS ALL REPORTED NEST OBSERVATIONS IN THE AREA. (SPECIFIC OBSERVATION DATA AVAILABLE FROM MTNHP.)

Last observation: 1997-05

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED; BLM: MILES CITY FIELD OFFICE

Comments:

FULL EXTENT OF OCCUPIED BREEDING HABITAT IS UNKNOWN.

Information source

WITTENHAGEN, K. W. 1991. 1991 PROGRESS REPORT ON THE FERRUGINOUS HAWK IN SOUTHEASTERN MONTANA. UNPUBL. REP. U.S. BUR. LAND MANAGE., MILES CITY, MONTANA. 24 PP.

Survey site name: WEST OF ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; COCHRAN RESERVOIR

Precision: G

Elevation (ft):

Location:

GENERALLY ALONG US 212, WEST AND NORTH OF ALZADA.

Township\Range:

Section:

TRS comments:

009S058E

008S059E

008S058E

009S059E

009S057E

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T9S, R59E, Sec 16
App # 5091^A is ~ 1/4 to 1 1/4 miles from edge
of Ferruginous hawk boundary. - No impact -

It is within the dwarf shrew area so the on this lease.
(*wildlife) etc. MDFWP regarding*
stipulation will be utilized for this mammal

App # 5092 T9S, R59E, Sec 36 is outside this hawk
area ~ 3-4 miles away
~ No impact ~



04-Jul-01

Species of Special Concern: T09S, R59E
Carter County, App # 5091 & 5092

Scientific Name: SOREX NANUS

Common Name: DWARF SHREW

Global Rank: G4

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

TOTAL OF 16 SPECIMENS COLLECTED IN 1979-1980 AT 10 LOCATIONS.

Last observation: 1980-08-19

Size (acres):

General site description:

Land owner/manager

BLM: MILES CITY FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

Information source

SIEG, C. H., D. W. URESK, AND R. M. HANSEN. 1986. THE VALUE OF BENTONITE MINE SPOILS IN SOUTHEASTERN MONTANA AS SMALL MAMMAL HABITAT. NORTHWEST SCIENCE 60(4):218-224.

Survey site name: ALZADA

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: G

Elevation (ft): 3400

Location:

VICINITY OF ALZADA AND WEST CA. 12 MILES UP THOMPSON CREEK.

Township\Range: Section: TRS comments:

009S059E

009S058E

009S057E

009S060E

24

MANY SECTIONS

SE4; 25 NE4

MANY SECTIONS

App. # 5091 T95, R59E, Sec. 16 is within this dwarf shrew area. The (wildlife) ^{etc MDFWP regarding} survey will be utilized on this tract's lease.*

App. # 5092 T95, R59E, Sec 36 is mostly within this dwarf shrew area. The (wildlife) ^{etc MDFWP regarding} survey will be utilized on this tract's lease.*



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R59E

Carter County, App # 5091 & 5092

Scientific Name: QUERCUS MACROCARPA

Common Name: BUR OAK

Global Rank G5

Forest Service status:

State Rank: S1

USFWS Endangered Species Act Status:

BLM Status: SENSITIVE

Occurrence Type:

Species occurrence data:

1996: NO REGENERATION OR ACORN PRODUCTION. 1995: >100 PLANTS IN T9S, R60E, S31; FLOWERING. 1992: EST. 5,000 TO 10,000 TREES AS DOMINANTS OR CO-DOMINANTS ACROSS MUCH OF SCATTERED SAVANNA AND SCRUB WOODLAND COMMUNITIES; 10-20 FEET TALL, MOSTLY LESS THAN 20 CM DBH, MAXIMUM DBH CA. 45 CM. IN LEAF; SEEDLINGS; INSECT DAMAGE. DIMINISHING IN FREQUENCY WESTWARD AND DOWNSLOPE. ACORN PRODUCTION LOW IN 1992.

Last observation: 1996-07-12

Size (acres): 1200

General site description:

CONCENTRATED ON EASTERN THREE-FOURTHS OF NW-SE TRENDING SHALE RIDGE SYSTEMS, ALSO EXTENDING EAST TO LITTLE MISSOURI RIVER. MOWRY SHALE-HEAVY CLAY SOIL; PINUS PONDEROSA/QUERCUS MACROCARPA/JUNIPERUS SCOPULORUM WOODLAND WITH ALMOST NO SHRUB UNDERSTORY, ALMOST NO WOODLAND HERBACEOUS UNDERSTORY; MAINLY CAREX PENNSYLVANICA AND PRAIRIE GRASSES, WITH SLIGHTLY MORE FORB COVER AT EAST END WHERE SANDY LOAM OVERLIES SHALE.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); BLM: MILES CITY FIELD OFFICE; STATE LAND - UNDESIGNATED

Comments:

1996: K. DUEHOLM REPORTED 3 ADDITIONAL LOCATIONS WITHIN THE THE AREA ENCOMPASSED BY THIS RECORD. OCCURRENCE IS AMONG WESTERNMOST STANDS OF BUR OAK RANGEWIDE; EXTENDS INTO WYOMING. MINING ROADS AND GRAZING AFFECTING AREA; BENTONITE MINING OCCURRING ACROSS WESTERN PORTION OF STAND. NOTE THAT FIRSTOBS YEAR IS ACTUALLY "194?" - ENTERED AS "1940" FOR DATA TRANSFER PURPOSES. LESICA SPECIMEN 4123 ATTRIBUTED TO SECTION 21, BUT SITE DESCRIPTION MATCHES THAT OF SECTION 31. THREE SUBPOPULATIONS WITH MAPPED BOUNDARIES WERE DIGITIZED (3/10/99); ELEMENT OCCURRENCE COVERS LARGER AREA THAN DIGITIZED SUBPOPULATIONS.

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: ALZADA OAKS

County: CARTER

USGS quadrangle: GOMER DRAW; ALZADA; COCHRAN RESERVOIR

Precision: S

Elevation (ft): 3435

Location:

FROM ALZADA GO NORTH ON HWY 212 CA. 1 MILE, CROSS RIVER, AND TAKE RIDGE ROAD WEST 5.4 MILES. PROCEED SOUTH ON UNIMPROVED ROAD CA. 2 MILES TO SHELDON CREEK.

Township\Range: Section: TRS comments:



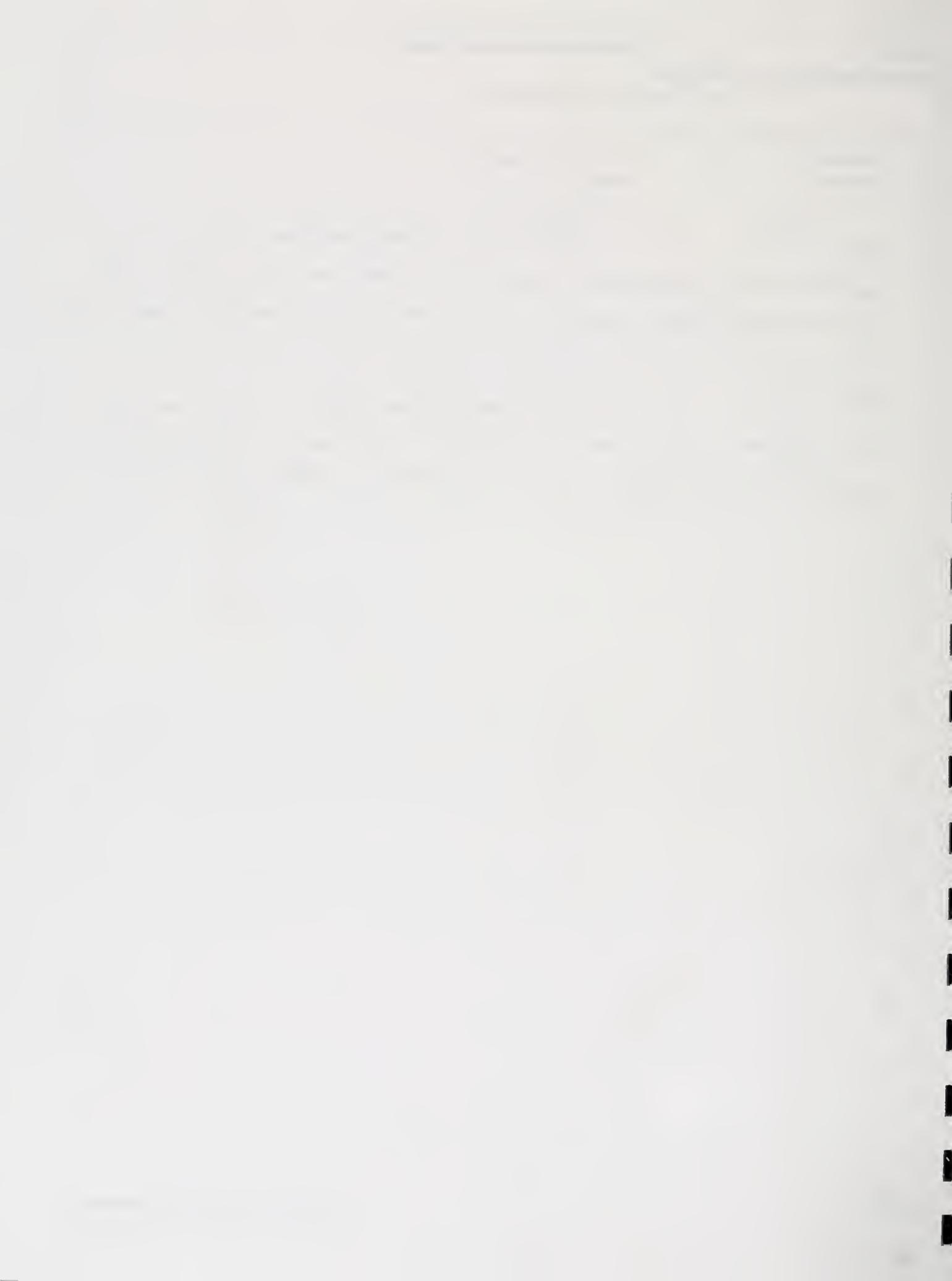
Species of Special Concern: T09S, R59E

Carter County, App # 5091 & 5092

009S058E	36	E2SE4; 35 S2S2; 34 S2S2; 33
009S060E	31	NW4NW4

App# 5091, T9S, R59E, Sec. 16 has ~~within~~ trees on it, but the Field office did not note that there were bur oaks. The avoid wooded areas stipulation will be utilized on this tract's lease.

App# 5092, T9S, R59E, Sec 36 has trees on it, but the Field office did not note that there were bur oaks. The avoid wooded areas stipulation will be utilized on this tract's lease.



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R59E
Carter County, App # 5091 & 5092

Scientific Name: NUTTALLANTHUS TEXANUS

Common Name: BLUE TOADFLAX

Global Rank G4G5

Forest Service status:

State Rank: S1

USFWS Endangered Species Act Status:

BLM Status: WATCH

Occurrence Type:

Species occurrence data:

100-1000 PLANTS; IN FLOWER AND FRUIT.

Last observation: 1986-06-15

Size (acres): 1

General site description:

MOWRY SHALE-CLAY; PINE-OAK-JUNIPER WOODLAND, WITH CRYPTANTHA TORREYANA, MENTZELIA DISPERSA, MENTZELIA ALBICAULIS, FESTUCA OCTOFLORA.

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); BLM: MILES CITY FIELD OFFICE

Comments:

"SAW ONE SITE-PROBABLY MORE IN AREA."

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: ALZADA OAKS

County: CARTER

USGS quadrangle: GOMER DRAW

Precision: M

Elevation (ft): 3630

Location:

FROM ALZADA GO NORTH ON HWY 212, CROSS RIVER, TAKE RIDGE ROAD WEST ABOUT 5.4 MILES. PROCEED SOUTH ON UNIMPROVED ROAD ABOUT 2 MILES TO SHELDON CREEK.

Township\Range: Section: TRS comments:
009S059E 32

I checked with Field staff on trees noted on App # 5091 and 5092, T9S, R59E, Sec. 16 & 36, respectively. There are ash, box elder, maybe some cottonwoods, chokecherry, plum and snowberry trees on these tracts. Tracts are 72 miles from this site. Distance & dissimilar habitat → no impact.



04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T09S, R59E

Carter County, App # 5091 & 5092

Scientific Name: MAIANTHEMUM CANADENSE VAR INTERIUS

Common Name: WILD LILY-OF-THE-VALLEY

Global Rank: G5T4

Forest Service status:

State Rank: SH

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

SEVERAL PLANTS.

Last observation: 1948-06-19

Size (acres): 0

General site description:

ON A SHADED, DEEP HUMUS BENCH ABOVE THE RIVER.

Land owner/manager

STATE LAND - UNDESIGNATED

Comments:

Information source

VANDERHORST, J., S. V. COOPER, AND B. L. HEIDEL. 1998. BOTANICAL AND VEGETATION SURVEY OF CARTER COUNTY, MONTANA. UNPUBLISHED REPORT TO BUREAU OF LAND MANAGEMENT. MONTANA NATURAL HERITAGE PROGRAM, HELENA. 116 PP. + APP.

Survey site name: ARKANSAS CREEK

County: CARTER

USGS quadrangle: ALZADA

Precision: M

Elevation (ft): 3430

Location:

ONE MILE SOUTHEAST (SIC) OF ALZADA, ALONG RIVER. (NOTE: LITTLE MISSOURI RIVER FLOWS SOUTHWEST OF ALZADA).

Township\Range: Section: TRS comments:

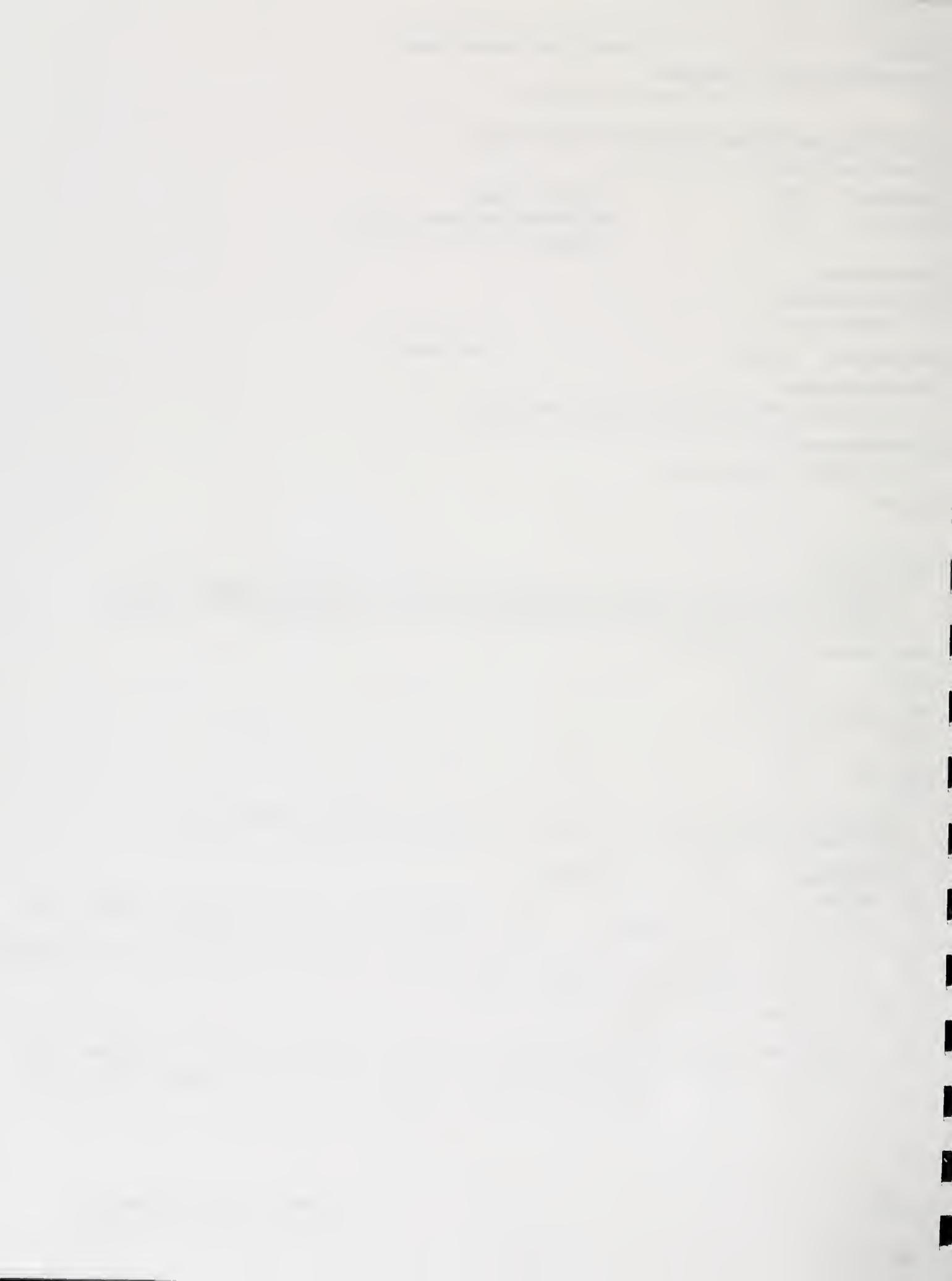
009S059E

36

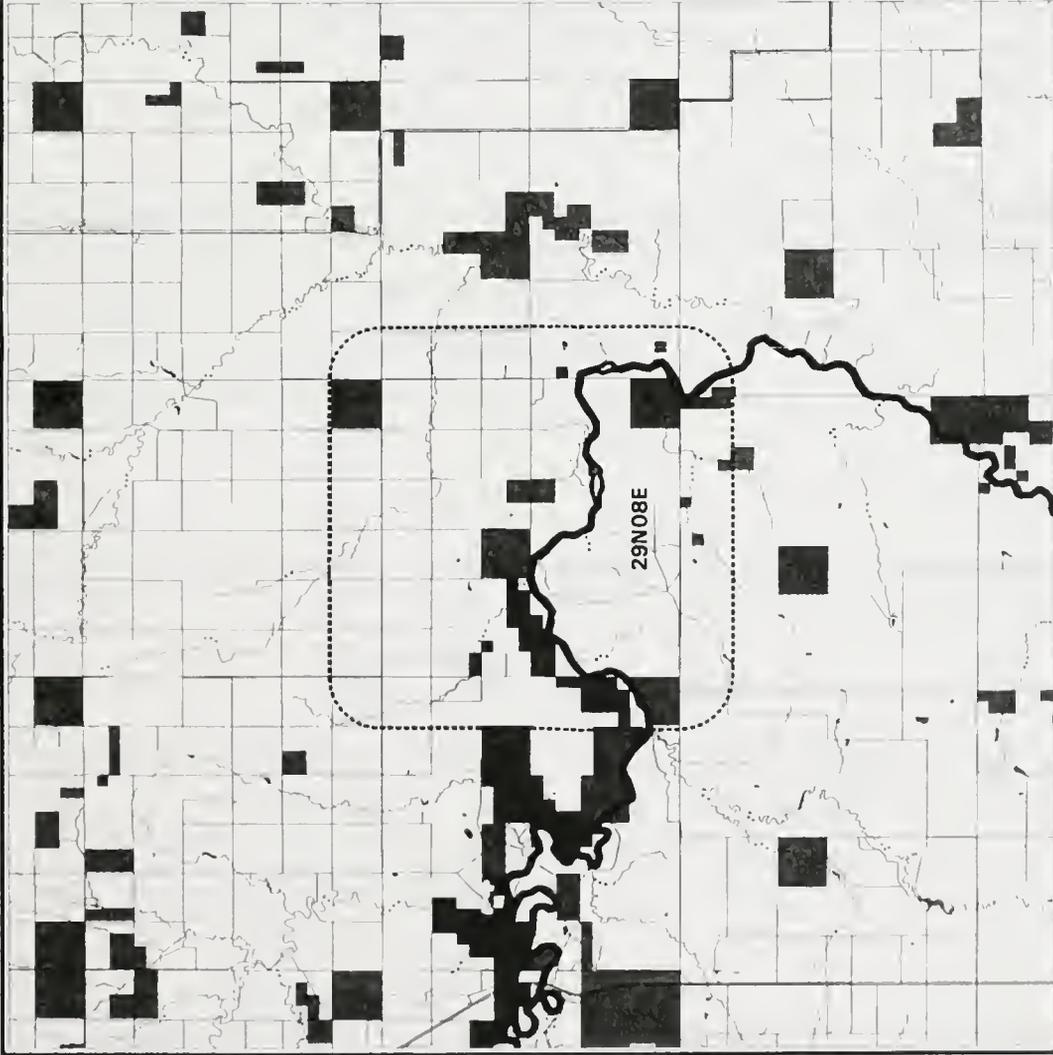
NE4

*Application # 5092 T9S R59E Sec 36 contains this site
The vegetation survey stipulation will be utilized on this tract's
lease.*

*App. # 5091 T9S R59E Sec 16 is ~2 1/2 to 3 1/2 miles from this
site. The Little Missouri River does not cut this tract. - No impact.*



Montana Species of Concern T29N, R08E, Hill County App# 5074, 5075, 5076, 5077



- Biological Data**
- ◆ Animal
 - Plant
 - ⊗ Plant Community
 - ⊕ Other
 - ▬ Fluvial Occurrences (Fish, Birds, &/or Herps)
- Point Locations**
- ◆
 -
 - ⊗
 - ⊕
- Populations covering large areas**
- ▬

- Land Status**
- BLM
 - ▨ BOR (BuRec)
 - ▩ CoE & Other DDO
 - ▧ National Park Service
 - ▦ National Forests
 - ▥ Other USDA
 - ▤ US Fish & Wildlife Service
 - ▣ Tribal & Allotted
 - ▢ State trust lands
 - MT Fish, Wildlife & Parks
 - University & Institutions
 - ▟ Local government
 - ▦ Plum Creek
 - ▥ Private Conservation
 - ▤ Other private
 - ▣ Wilderness (all agencies)
 - ▢ Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, DNA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
- Not all legend items may occur on map.
- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.



Request mhp6192
July 04, 2001

No.	Date	Particulars	Debit	Credit	Balance
1	1880
2	1880
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100	1880

04-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T29N, R08E
Hill County, App # 5074, 5075, 5076, & 5077

Scientific Name: CYCLEPTUS ELONGATUS

Common Name: BLUE SUCKER

Global Rank G3

Forest Service status:

State Rank: S3?

USFWS Endangered Species Act Status:

BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:

POPULATION APPEARS TO BE HEALTHY AND STABLE.

Last observation: 1996

Size (acres): 0

General site description:

PREFER SWIFT CURRENT HABITATS; SPAWN IN TRIBUTARIES & MAINSTEMS.

Land owner/manager

UPPER MISSOURI WILD & SCENIC RIVER; BLM: LEWISTOWN FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

BOUNDARIES OF OCCUPIED HABITAT NOT WELL KNOWN.

Information source

TEWS, A., B. GARDNER AND B. GARDNER. 1999. STATUS OF NATIVE FISHES OF 'SPECIAL CONCERN' IN MONTANA. UNPUBLISHED REPORT OF REPORTS ON 16 SPECIES. INCOMPLETE - IN PROGRESS.

Survey site name: MISSOURI RIVER ABOVE FORT PECK RESERVOIR

County: FERGUS; PHILLIPS; LIBERTY; BLAINE; HILL; CHOUTEAU; CASCADE

USGS quadrangle: (EXTENDS OVER MULTIPLE QUADS)

Precision: G

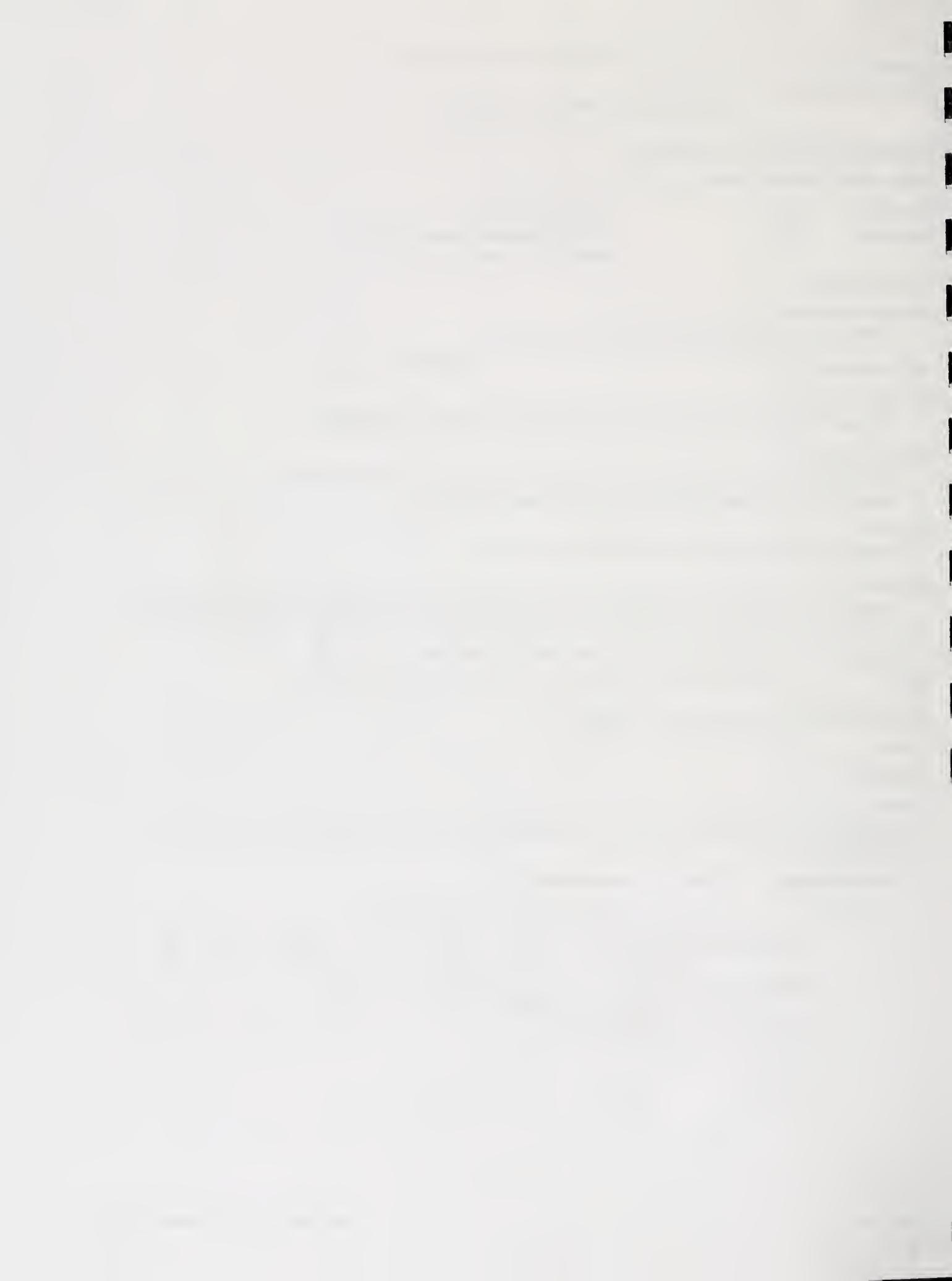
Elevation (ft):

Location:

MISSOURI RIVER FROM MORONY DAM TO FORT PECK RESERVOIR (SLACKWATER); MARIAS RIVER BELOW TIBER DAM.

Township\Range:	Section:	TRS comments:
022N023E	27	EXTENDS OVER MULTIPLE TOWNSHIPS

Applications #'s 5075 T29N, R8E, Sec. 16 and 5077 T29N, R8E, Sec. 36 are cut by the Marias River. The river buffer stipulation will be utilized on the leases of these tracts.



Montana Species of Concern T29N, R06E



- Point Locations**
- ◆ Animal
 - Plant
 - ⊙ Plant Community
 - ⊕ Other
- Fluvial Occurrences (Fish, Birds, &/or Herpet)**
- ▬ Populations covering large areas
- Biological Data**
- ◆ Animal
 - Plant
 - ⊙ Plant Community
 - ⊕ Other
- Land Status**
- BLM
 - BOR (BuRec)
 - CoE & Other DOD
 - National Park Service
 - National Forests
 - Other USDA
 - US Fish & Wildlife Service
 - Tribal & Allotted
 - State trust lands
 - MT Fish, Wildlife & Parks
 - University & institutions
 - Local government
 - Plum Creek
 - Private Conservation
 - Other private
 - Wilderness (all agencies)
 - Wild & Scenic Rivers (*)
 - Research Natural Areas (*)
 - Other special areas (ACEC, ONA, ...)
- Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.

- Not all legend items may occur on map.

- Features shown on this map do not imply public access to any lands.

- Refer to accompanying documentation for full explanation of map features.



Natural Resource Information System
Montana Natural Heritage Program
PO Box 30100
Helena, MT 59603-0100
406.455.6200 mnhp@state.mt.us

Request nhp6199
July 09, 2001

09-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T29N, R06E
Liberty County (App # 5046-5061)

Scientific Name: CYCLEPTUS ELONGATUS

Common Name: BLUE SUCKER

Global Rank G3
State Rank S3?

Forest Service status:
USFWS Endangered Species Act Status:
BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:

POPULATION APPEARS TO BE HEALTHY AND STABLE.

Last observation: 1996

Size (acres): 0

General site description:

PREFER SWIFT CURRENT HABITATS; SPAWN IN TRIBUTARIES & MAINSTEMS.

Land owner/manager

UPPER MISSOURI WILD & SCENIC RIVER; BLM: LEWISTOWN FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

BOUNDARIES OF OCCUPIED HABITAT NOT WELL KNOWN.

Information source

TEWS, A., B. GARDNER AND B. GARDNER. 1999. STATUS OF NATIVE FISHES OF 'SPECIAL CONCERN' IN MONTANA. UNPUBLISHED REPORT OF REPORTS ON 16 SPECIES. INCOMPLETE - IN PROGRESS.

Survey site name: MISSOURI RIVER ABOVE FORT PECK RESERVOIR

County: FERGUS; PHILLIPS; LIBERTY; BLAINE; HILL; CHOUTEAU; CASCADE

USGS quadrangle: (EXTENDS OVER MULTIPLE QUADS)

Precision: G

Elevation (ft):

Location:

MISSOURI RIVER FROM MORONY DAM TO FORT PECK RESERVOIR (SLACKWATER); MARIAS RIVER BELOW TIBER DAM.

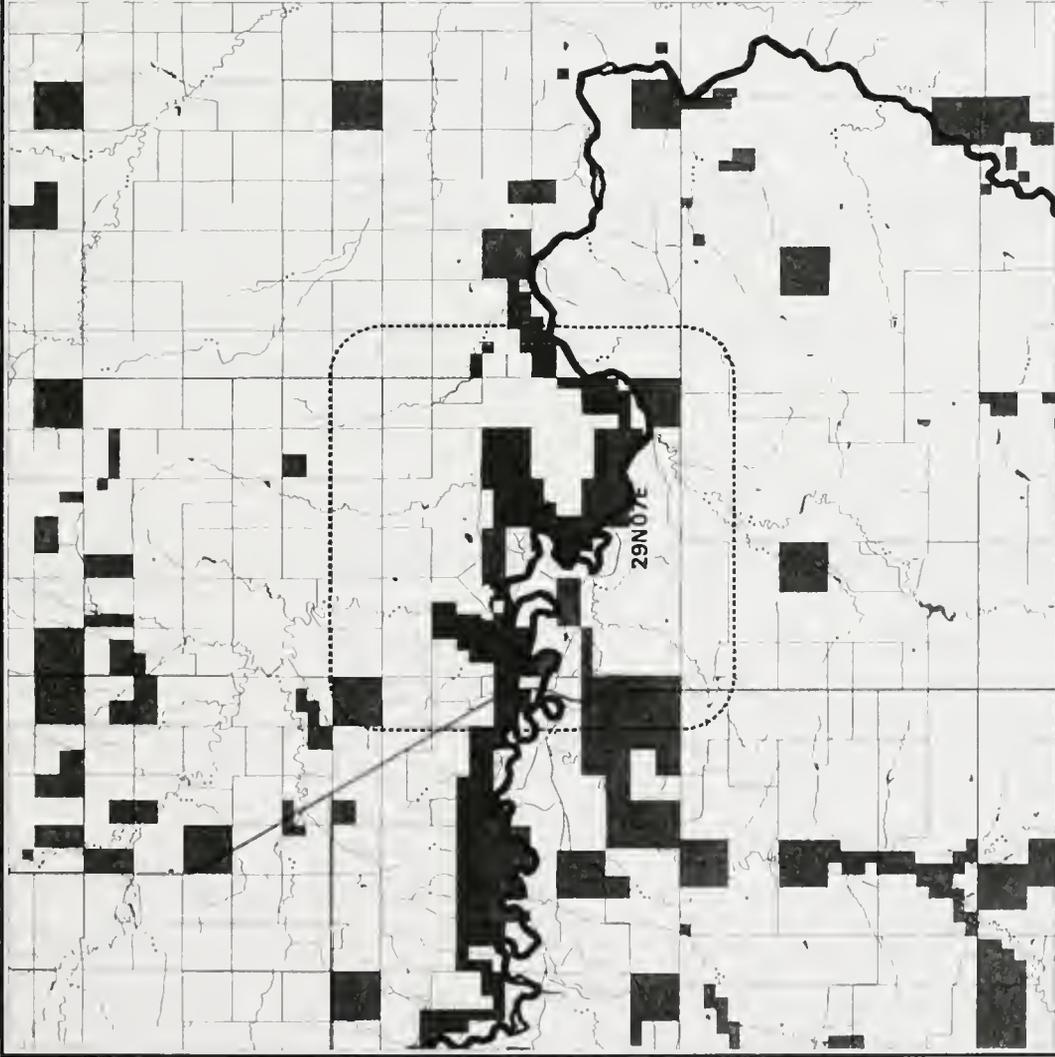
Township\Range:	Section:	TRS comments:
022N023E	27	EXTENDS OVER MULTIPLE TOWNSHIPS

App. # 5046 T29N, R6E, Sec 15
 5048 T29N, R6E, Sec 16 (NW4, SW4) (SW4 NW4)
 5047 T29N, R6E Sec. 16
 and 5049 T29N, R6E Sec. 17

are cut by the Marias River. The river buffer stipulation will be utilized on the leases of these tracts.



Montana Species of Concern T29N, R07E



- Point Locations**
- ◆ Animal
 - Plant
 - ⊛ Plant Community
 - ⊕ Other
- Populations covering large areas**
- ▬ Fluvial Occurrences (Fish, Birds, &/or Herpa)
- Biological Data**
- ▬ BOR (BuRec)
 - ▬ CoE & Other, DOD
 - ▬ National Park Service
 - ▬ National Forests
 - ▬ Other, USDA
 - ▬ US Fish & Wildlife Service
 - ▬ Tribal & Allotted
 - ▬ State trust lands
 - ▬ MT Fish, Wildlife & Parks
 - ▬ University & institutions
 - ▬ Local government
 - ▬ Plum Creek
 - ▬ Private Conservation
 - ▬ Other private
 - ▬ Wilderness (all agencies)
 - ▬ Wild & Scenic Rivers (*)
 - ▬ Research Natural Areas (*)
 - ▬ Other special area (ACEC, DNA, ...)
- Land Status**
- ▬ BLM
 - ▬ BOR (BuRec)
 - ▬ CoE & Other, DOD
 - ▬ National Park Service
 - ▬ National Forests
 - ▬ Other, USDA
 - ▬ US Fish & Wildlife Service
 - ▬ Tribal & Allotted
 - ▬ State trust lands
 - ▬ MT Fish, Wildlife & Parks
 - ▬ University & institutions
 - ▬ Local government
 - ▬ Plum Creek
 - ▬ Private Conservation
 - ▬ Other private
 - ▬ Wilderness (all agencies)
 - ▬ Wild & Scenic Rivers (*)
 - ▬ Research Natural Areas (*)
 - ▬ Other special area (ACEC, DNA, ...)
- Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.

- Not all legend items may occur on map.

- Features shown on this map do not imply public access to any lands.

- Refer to accompanying documentation for full explanation of map features.



Natural Heritage Information Program
PO Box 20180
Helena, MT 59620-0180
(406) 443-4300 <http://mhp.dnr.mt.gov>

Request mhp6200
July 09, 2001

09-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T29N, R07E
Liberty County (App# 5062-5073)

Scientific Name: CYCLEPTUS ELONGATUS

Common Name: BLUE SUCKER

Global Rank G3
State Rank S3?

Forest Service status:
USFWS Endangered Species Act Status:
BLM Status: SPECIAL STATUS

Occurrence Type:

Species occurrence data:

POPULATION APPEARS TO BE HEALTHY AND STABLE.

Last observation: 1996

Size (acres): 0

General site description:

PREFER SWIFT CURRENT HABITATS; SPAWN IN TRIBUTARIES & MAINSTEMS.

Land owner/manager

UPPER MISSOURI WILD & SCENIC RIVER; BLM: LEWISTOWN FIELD OFFICE; PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE); STATE LAND - UNDESIGNATED

Comments:

BOUNDARIES OF OCCUPIED HABITAT NOT WELL KNOWN.

Information source

TEWS, A., B. GARDNER AND B. GARDNER. 1999. STATUS OF NATIVE FISHES OF 'SPECIAL CONCERN' IN MONTANA. UNPUBLISHED REPORT OF REPORTS ON 16 SPECIES. INCOMPLETE - IN PROGRESS.

Survey site name: MISSOURI RIVER ABOVE FORT PECK RESERVOIR

County: FERGUS; PHILLIPS; LIBERTY; BLAINE; HILL; CHOUTEAU; CASCADE

USGS quadrangle: (EXTENDS OVER MULTIPLE QUADS)

Precision: G

Elevation (ft):

Location:

MISSOURI RIVER FROM MORONY DAM TO FORT PECK RESERVOIR (SLACKWATER); MARIAS RIVER BELOW TIBER DAM.

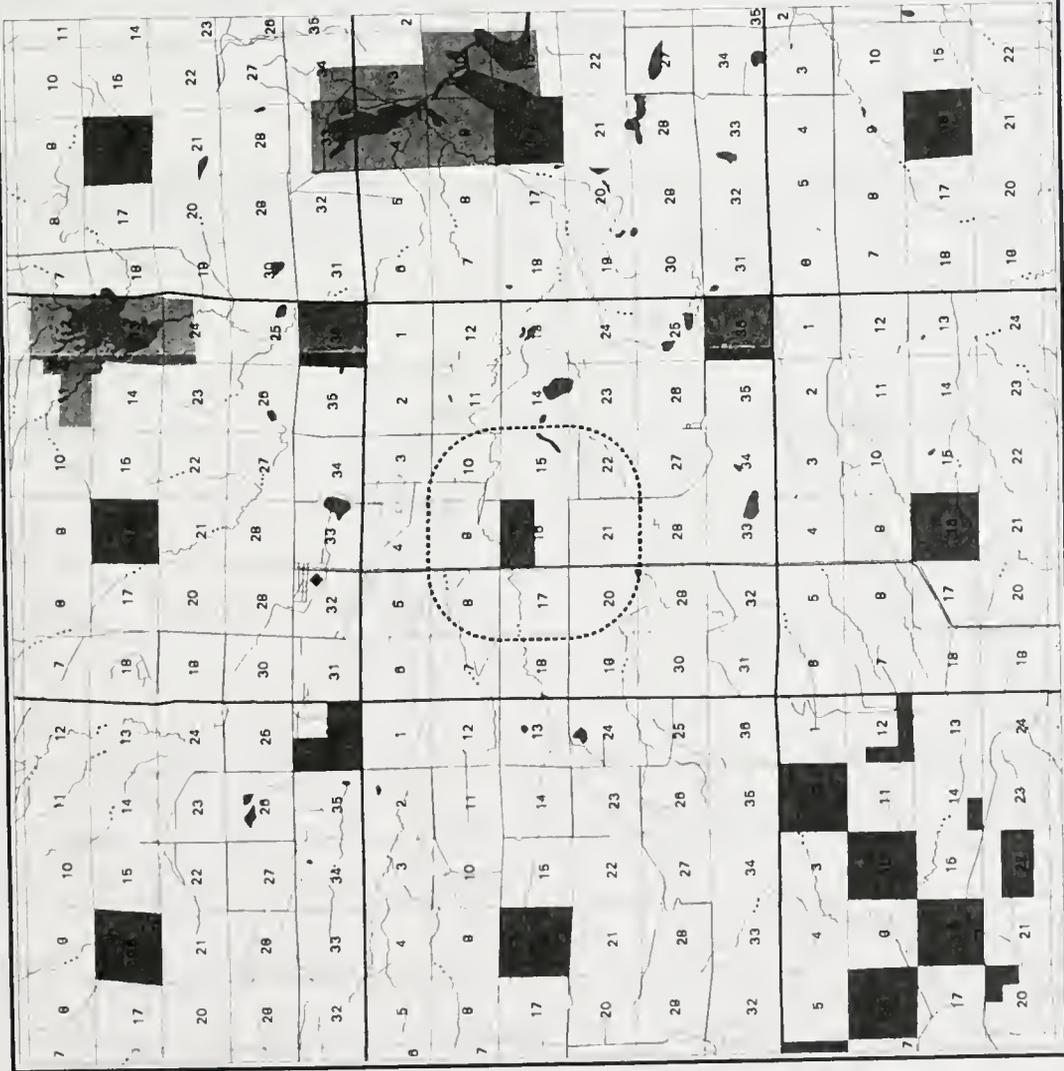
Township\Range:	Section:	TRS comments:
022N023E	27	EXTENDS OVER MULTIPLE TOWNSHIPS

<i>Application #s</i> 5063		<i>T29N, R7E Sec. 16</i>
5064		<i>T29N, R7E Sec. 19</i>
5065		<i>T29N, R7E Sec. 20</i>
5066		<i>T29N, R7E Sec. 26</i>
5067		<i>T29N, R7E Sec. 27</i>

and 5073 T29N R7E Sec 36 are cut by the Marias River.

The river buffer stipulation will be utilized on the leases of these tracts.

Montana Species of Concern T02N, R20E, Section 16 Stillwater County (App # 5027)



Point Locations

- ◆ Animal
- Plant
- ⊛ Plant Community
- ⊕ Other

Biological Data

- ◆ Animal
- Plant
- ⊛ Plant Community
- ⊕ Other

Land Status

- BLM
- BDR (BuRec)
- CoE & Other DOD
- National Park Service
- National Forests
- Other USDA
- US Fish & Wildlife Service
- Tribal & Allotted
- State trust lands
- MT Fish, Wildlife & Parks
- University & institutions
- Local government
- Plum Creek
- Private Conservation
- Other private
- Wilderness (all agencies)
- Wild & Scenic Rivers (*)
- Research Natural Areas (*)
- Other special areas (ACEC, DNA, ...)

..... Search Area

- Species locations depicted outside the search area have imprecisely-known locations and may actually occur within the search area.
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- Features shown on this map do not imply public access to any lands.
- Refer to accompanying documentation for full explanation of map features.



Request nhp6212
July 09, 2001

09-Jul-01

Montana Natural Heritage Program

Species of Special Concern: T02N, R20E, Section 16
Stillwater County (App # 5027)

Scientific Name: HETERODON NASICUS

Common Name: WESTERN HOGNOSE SNAKE

Global Rank G5

Forest Service status:

State Rank: S3

USFWS Endangered Species Act Status:

BLM Status:

Occurrence Type:

Species occurrence data:

ONE SPECIMEN COLLECTED.

Last observation: 1979-08-15

Size (acres):

General site description:

Land owner/manager

PRIVATELY OWNED LAND (INDIVIDUAL OR CORPORATE)

Comments:

Information source

ZOOLOGIST, MONTANA NATURAL HERITAGE PROGRAM, 1515 EAST SIXTH AVENUE, P.O. BOX 210800,
HELENA, MT 59620-1800. 406/444-3009.

Survey site name: RAPELJE

County: STILLWATER

USGS quadrangle: RAPELJE

Precision: G

Elevation (ft): 4050

Location:

"RAPELJE."

Township\Range:

Section:

TRS comments:

003N020E

32

App # 5027 T2N, R20E Sec 16 is ~ 2 1/2 to 3 miles
From this site. Tract has less water & likely less food sources &
- Distance $\frac{1}{2}$ ~ No impact. ~

Harper & Row's Complete Field Guide to North American Wildlife
notes that this snake ranges in Montana with a west boundary
along the foothills of the eastern Rockies.





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Rocky Mountain Regional Office

316 North 26th St.

Billings, Montana 59101

IN REPLY REFER TO:

Environmental Services-160

RECEIVED 10 JUL 2001

JUL 11 2001

D.N.R.C.

Teresa Kinley, Geologist/Hydrologist
Department of Natural Resources and Conservation
Trust Land Management Division
P.O. Box 201601
Helena, Montana 59620-1601

Dear Ms. Kinley:

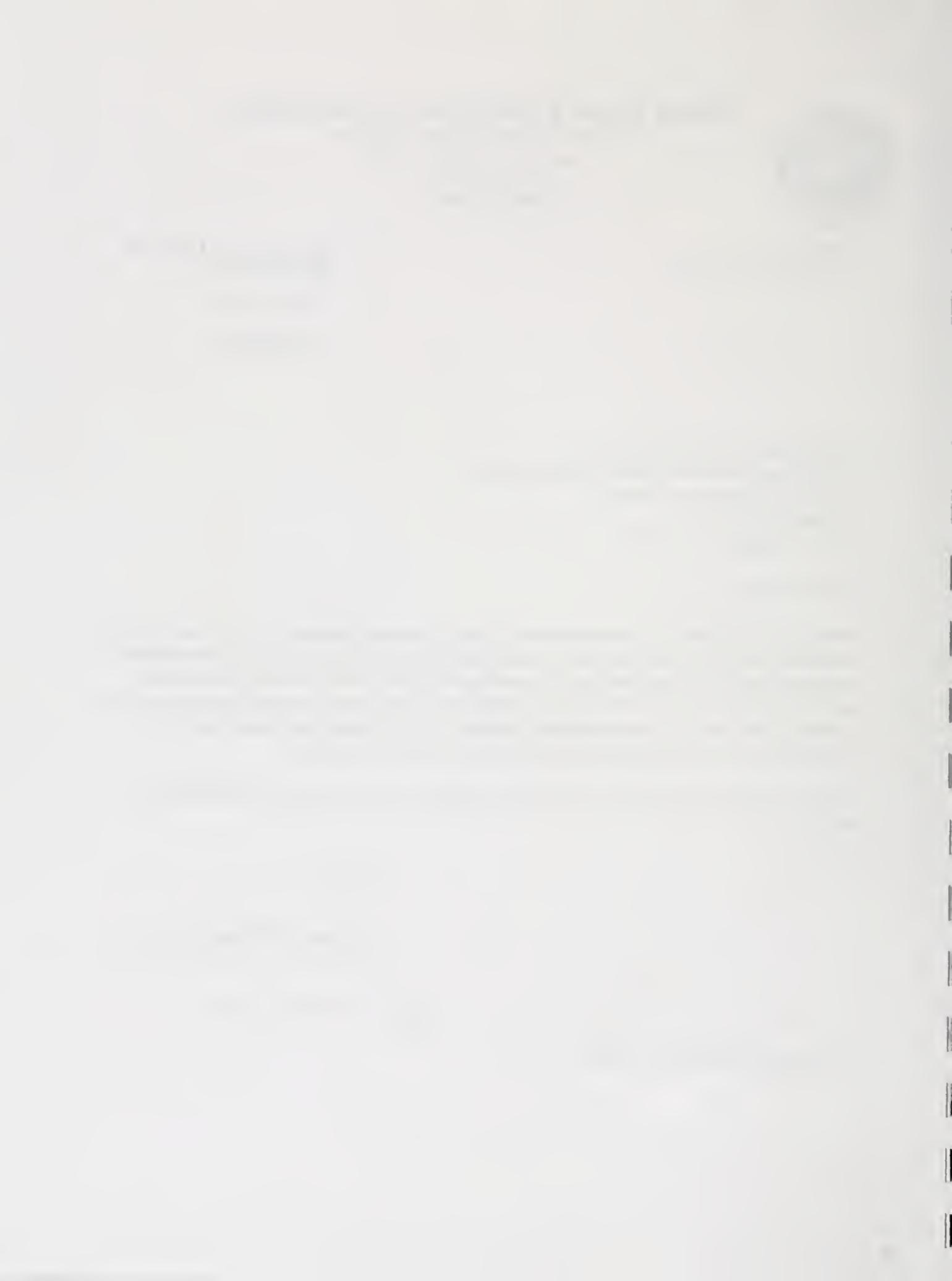
Thank you for advising us of the September 5, 2001, oil and gas lease sale. We are familiar with the requirements the State places on exploration and production activities. There are mandated compliance items that the State requires including air quality, water, archaeological resources, sound, and erosion control. Blowout prevention, grouted casing, and plugging and abandonment procedures will protect against down-hole problems. With these stipulations in place, we assume there will be no detrimental effects to Crow Indian trust acreage.

Thank you for the opportunity to provide input. Questions may be directed to Rick Stefanic at 406/247-7911.

Sincerely,

KPC Environmental Scientist

cc: Superintendent, Crow Agency



Kinley, Teresa

From: Gary Olson [grolson@mcn.net]
Sent: Monday, July 23, 2001 9:55 PM
To: Kinley, Teresa
Cc: Taylor, Graham
Subject: Re: MT Oil and Gas Lease Sale, September 5, 2001

Teresa: I have looked over the latest oil and gas sale information and can find no particularly sensitive areas from a wildlife perspective. Thanks for the opportunity to comment.

Gary Olson

MT FWP Conrad, MT 59425

----- Original Message -----

From: "Kinley, Teresa" <tkinley@state.mt.us>
To: "Olson, Gary" <grolson@mcn.net>
Sent: Thursday, June 28, 2001 5:31 PM
Subject: MT Oil and Gas Lease Sale, September 5, 2001

> I am sending the tract list and my request for comments letter as attached
> files in Word 97 format. The tract list is a Word file, FIELD901.doc and
> it

> is in plain text, Courier New font, 8-point size. I have also attached an
> additional file which includes a general location map for informational
> purposes.

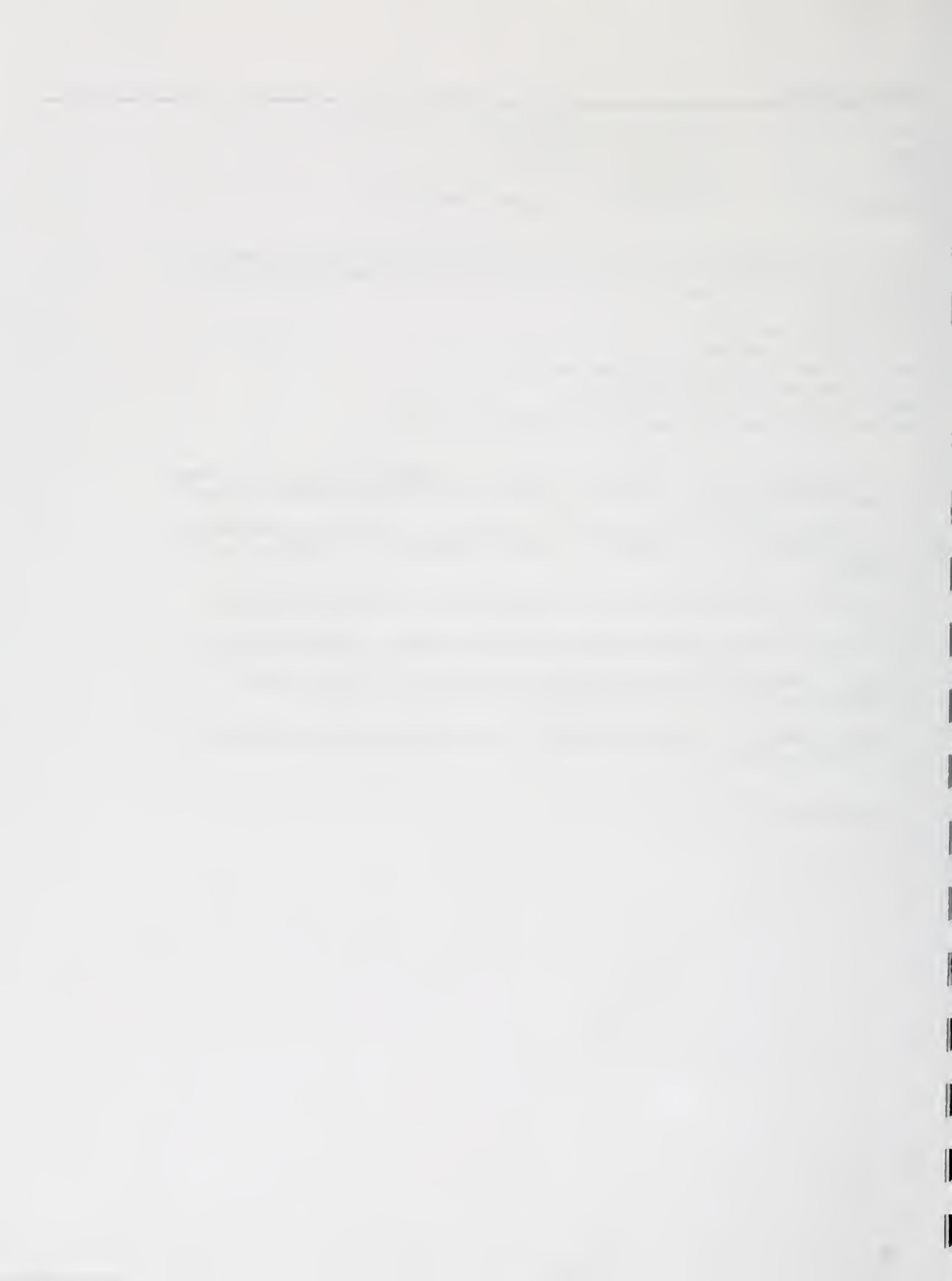
>
> As noted in the attached letter, the deadline for comments is July 25,
> 2001.

> You do not need to include tracts outside your area in the comments that
> you
> return. Comments can be returned by postal mail or electronic mail,
> however, electronic mail is preferred.

>
> Please contact me at (406) 444-2074 if you have any questions. Thank you
> for your assistance.

>
>
> Teresa Kinley

>
>
>
>
>
>







APPENDIX D: Public Comments Received Before Deadline



RECEIVED
JUL 26 2001
D.N.R.C.

July 24, 2001

Mineral Leasing Section
Minerals Management Bureau
Trust Land Management Division
Department of Natural Resources and Conservation

RE: State of Montana Oil & Gas Lease #16,365-74
Township 23 North, Range 6 East
Section 28, NW 1/4 SE 1/4
Liberty County - 40 Acres

Attention: Julie David, Supervisor

In response to your certified letter of July 19, 2001 regarding the above referred oil and gas lease held by Skierka Brothers, Inc. - I do not agree with your proposed lease sale of deeper rights for this tract.

Leasing or development of deeper rights has no impact on existing lease.

At the present time we are using gas from this lease to maintain six private residences and shops. A substantial amount of time and money have been invested in our gas line. We are now very dependent on this lease. Since the gas well has lost almost one-third of it's original pressure, we are very concerned about the prospect of any nearby drilling. If this cannot be avoided, is it possible to add a clause to any further lease insuring that future owners of this lease will be responsible for supplying our gas needs without a change in present rates?

Gas wells decline in productivity as they are depleted by production. No, Mr Skierka is responsible for producing his 40 acre lease.

I do pray you will keep our interests in mind in future developments concerning this lease.

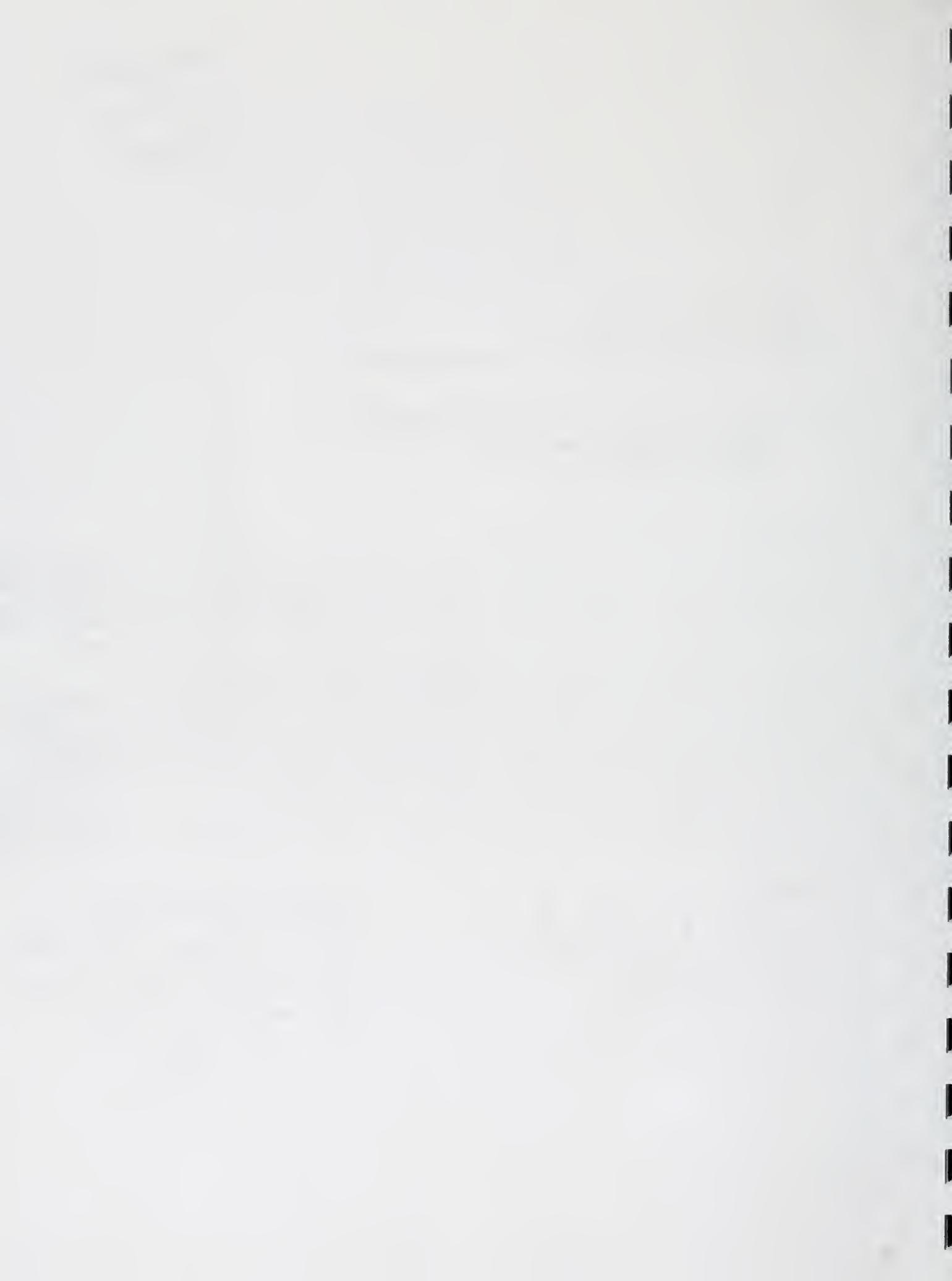
Sincerely,

Frederick Skierka

Frederick Skierka, President
Skierka Brothers, Inc.

Discussed with MR. Skierka by phone on 7/26/01. Recommended he also contact BOGC concerning his well's domestic status.

mtb
7/26/01







APPENDIX E: Late Comments



Kinley, Teresa

From: Kellogg, Casey
Sent: Thursday, July 26, 2001 7:19 AM
To: Kinley, Teresa
Cc: Roberts, Craig
Subject: O&G Lease Sale

Teresa,

I've attached a memo with my comments for the Sept. 5 lease sale.



field901.doc



July 26, 2001

MEMORANDUM

TO: Teresa Kinley, Hydro-Geologist, MMB
FROM: Casey Kellogg, Havre Unit Manager, NELO
RE: September 5, 2001 Oil & Gas Lease Sale
Blaine, Hill, and Liberty Counties

I have reviewed each tract of land associated with this proposed Oil & Gas lease sale. I included comments for the pieces of land that are located within the Havre Unit. I do not have information of the CRP status on the tracts of land where the state does not own the surface.

I recommend proceeding with the standard lease sale on all the tracts of land reviewed in this MEMO.

06-27-01 STATE OF MONTANA
OIL & GAS LEASE SALE - SEPTEMBER 5, 2001

HYDROLOGIST'S REPORT

APP#	TOPO	TWP	RGE	SEC	DESCRIPTION	ACRES
------	------	-----	-----	-----	-------------	-------

BLAINE (NELO-H, FWP-6)

+5021	Richmond Reservoir Tule Lake	35.N	20.E	36	ALL STATE DOES NOT OWN THE SURFACE.	* 640.00
-------	---------------------------------	------	------	----	-------------------------------------------	----------

Fifteenmile Creek goes through the SE corner of this tract.
The stream buffer stipulation will be utilized on this tract's lease.

HILL (NELO-H, FWP-6)

5074	Rocky Coulee SW	29.N	8.E	15	SE4	160.00
------	-----------------	------	-----	----	-----	--------

This tract contains 157.0 acres of classified agriculture land.

5075	Rocky Coulee SW	29.N	8.E	16	LOTS 1, 2, N2, N2S2, S2SE4	632.83
------	-----------------	------	-----	----	----------------------------	--------

This tract contains 316.4 acres of classified agriculture land and 313.93 acres of classified grazing land. The Marias River goes through the SW corner of this tract.
The river buffer stipulation will be utilized on this tract's lease.

5076	Rocky Coulee SW	29.N	8.E	22	NE4	160.00
------	-----------------	------	-----	----	-----	--------

This tract contains 150.7 acres of classified agriculture land.

5077	Dutch Henry Coulee Discovery Butte	29.N	8.E	36	LOTS 1, 2, 3, N2S2, S2SW4, N2	624.46
------	---------------------------------------	------	-----	----	-------------------------------	--------

This tract contains 606.96 acres of classified agriculture land and 313.93 acres of classified grazing land. The Marias River goes through the SE corner of this tract.
The river buffer stipulation will be utilized on this tract's lease.

5028	Goldstone	37.N	9.E	9	ALL	640.00
------	-----------	------	-----	---	-----	--------

This tract contains 154.9 acres of classified C.R.P. land and 477 acres of classified grazing land. There is a reservoir in the NE4. *The CRP stipulation and the stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.*

5029	Goldstone	37.N	9.E	15	ALL	640.00
------	-----------	------	-----	----	-----	--------

This tract contains 633.6 acres of classified agriculture land.

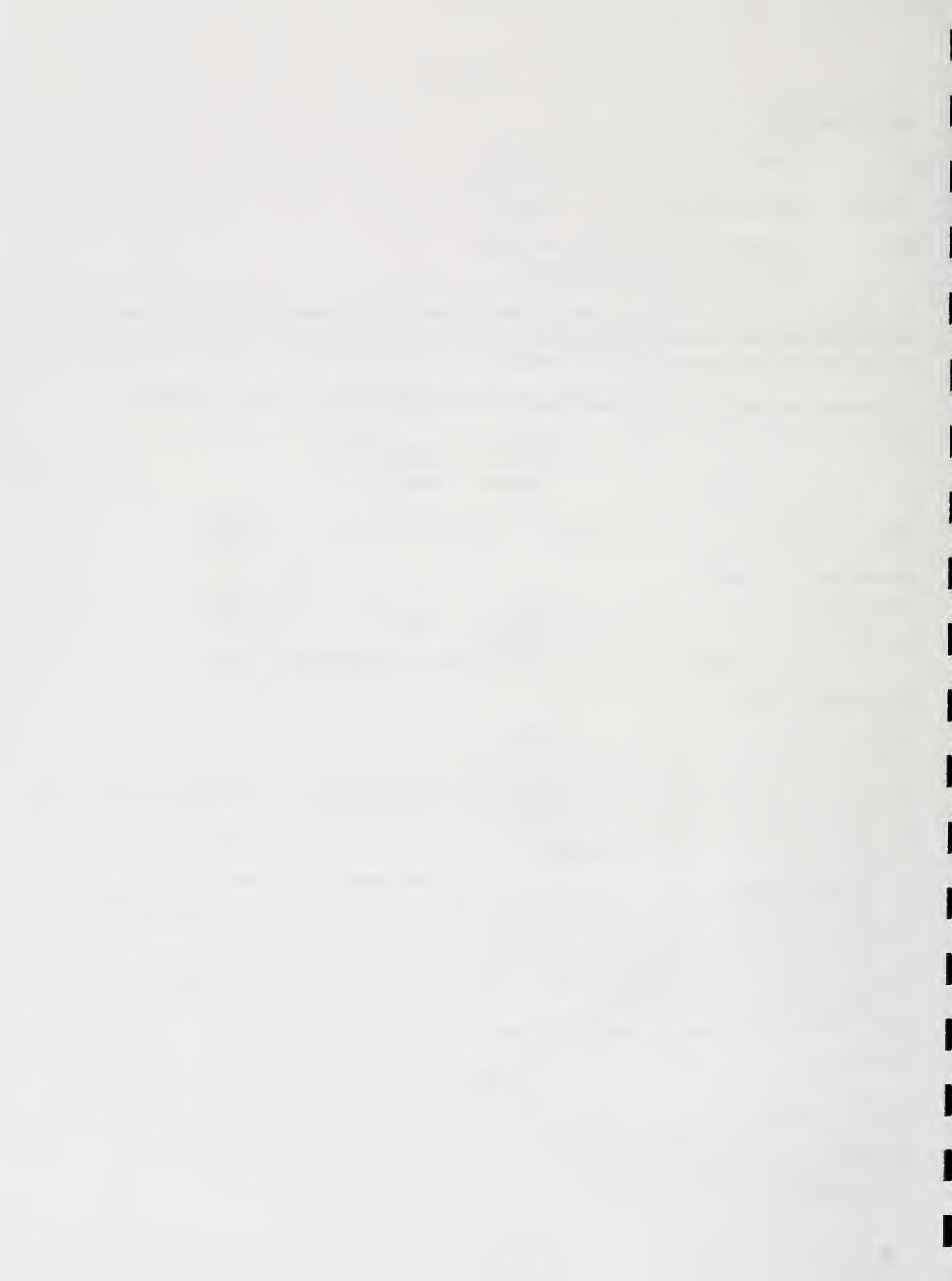
5030	Goldstone	37.N	9.E	16	ALL STATE DOES NOT OWN THE SURFACE IN THE NE4.	* 640.00
------	-----------	------	-----	----	------------------------------------------------------	----------

This tract contains 120.5 acres of classified C.R.P. land and 39.5 acres of classified grazing land. Kennedy Coulee goes through the SW portion of this tract. *The CRP stipulation and the stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.*

5031	Goldstone	37.N	9.E	20	N2	320.00
------	-----------	------	-----	----	----	--------

This tract contains 316.8 acres of classified C.R.P. land.

The CRP stipulation will be utilized on this tract's lease.



5032 Goldstone 37.N 9.E 21 E2 * 320.00

STATE DOES NOT OWN THE SURFACE.

There is a reservoir and buildings in the SE portion of this tract.

The buildings are covered by setbacks in the lease. The stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.

5033 Goldstone 37.N 9.E 36 ALL * 640.00

Lost River STATE DOES NOT OWN THE SURFACE IN THE W2.

This tract contains 311.3 acres of classified C.R.P. land on the state surface.

The CRP stipulation will be utilized on this tract's lease.

LIBERTY (NELO-H, FWP-4)

5015 Carlson Coulee 28.N 4.E 28 E2NE4, SW4NE4, W2 440.00

This tract contains 393.8 acres of classified agriculture land and 46.2 acres of classified grazing land. Basin Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

5016 Carlson Coulee 28.N 4.E 32 S2 320.00

Knees NE

This tract contains 320 acres of classified grazing land. Basin Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

5017 Carlson Coulee 28.N 4.E 33 W2 320.00

This tract contains 320 acres of classified grazing land. Basin Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

5045 Uphill Creek 29.N 5.E 36 ALL 640.00

This tract contains 640 acres of classified grazing land.

5046 Circle Bridge 29.N 6.E 15 LOTS 2, 3, 4, 5 124.95

This tract contains 109.95 acres of classified grazing land and 15 acres of unsuitable land. The Marias River goes through this tract.

The (Marias) River buffer stipulation will be utilized on this tract's lease.

5048 Circle Bridge 29.N 6.E 16 NW4SW4, SW4NW4 80.00

This tract contains 202.85 acres of classified grazing land and 32 acres of unsuitable land. The Marias River goes through this tract.

The river buffer stipulation will be utilized on this tract's lease.

5047 Circle Bridge 29.N 6.E 16 LOTS 1 THRU 10, N2N2, SE4NW4, NE4SW4, SE4SE4 519.22

This tract contains 321.26 acres of classified grazing land, 39 acres of hayland, and 3.5 acres of unsuitable land. The Marias River goes through this tract.

The river buffer stipulation will be utilized on this tract's lease.

5049 Circle Bridge 29.N 6.E 17 LOTS 1, 3, 12, S2NE4 150.57

This tract contains 116.34 acres of classified grazing land and 6.2 acres of unsuitable land. The Marias River goes through this tract.

The river buffer stipulation will be utilized on this tract's lease.

5050 Circle Bridge 29.N 6.E 20 SE4 160.00

Goose Bill Butte NW

This tract contains 157.3 acres of classified grazing land. Basin Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

5051 Circle Bridge 29.N 6.E 21 SW4 160.00

Goose Bill Butte NW

This tract contains 127.9 acres of classified grazing land and 32.1 acres of classified agriculture land.

5052 Circle Bridge 29.N 6.E 23 S2 * 320.00

Goose Bill Butte NW

STATE DOES NOT OWN THE SURFACE.

There are no special features on this tract.

5053 Goose Bill Butte NW 29.N 6.E 25 ALL 640.00

This tract contains 607 acres of classified grazing land and 33 acres of unsuitable land. There are reservoirs in the SW4NE4 and the SW4SE4.

The stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.

5054 Goose Bill Butte NW 29.N 6.E 26 ALL 640.00

This tract contains 640 acres of classified grazing land. Dugout Coulee goes through this tract.

The stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.

5055 Goose Bill Butte NW 29.N 6.E 27 S2 320.00

This tract contains 267.7 acres of classified grazing land and 52.3 acres of classified agriculture land. Dugout Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

5056 Goose Bill Butte NW 29.N 6.E 28 NW4, E2SE4, SW4SE4 280.00

This tract contains 222.4 acres of classified grazing land and 93.5 acres of classified agriculture land. Dugout Coulee goes through this tract.

The stream, etc. buffer stipulation will be utilized on this tract's lease.

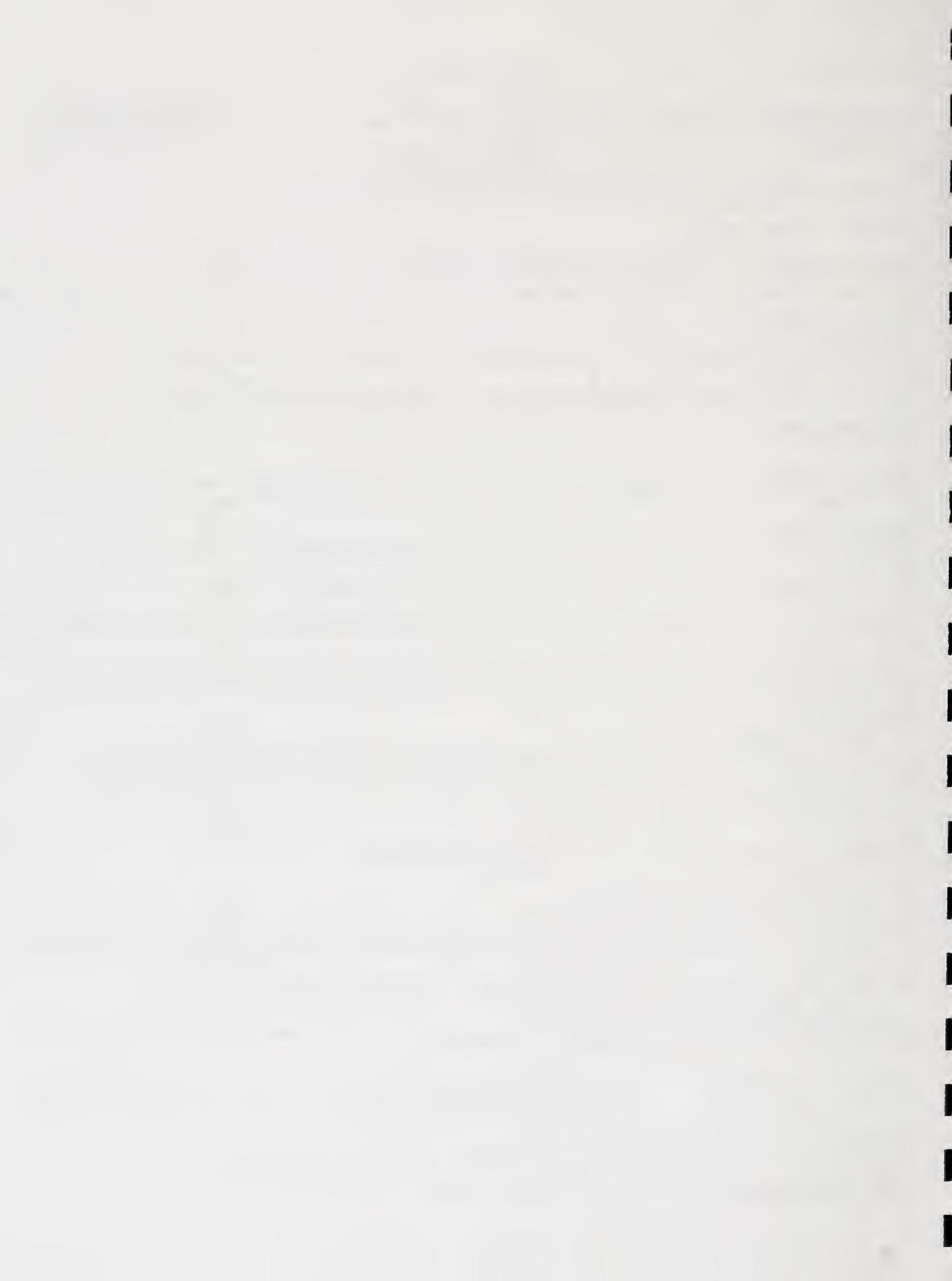
5057 Goose Bill Butte NW 29.N 6.E 29 E2 320.00

This tract contains 320 acres of classified grazing land. Basin Coulee goes through this tract.

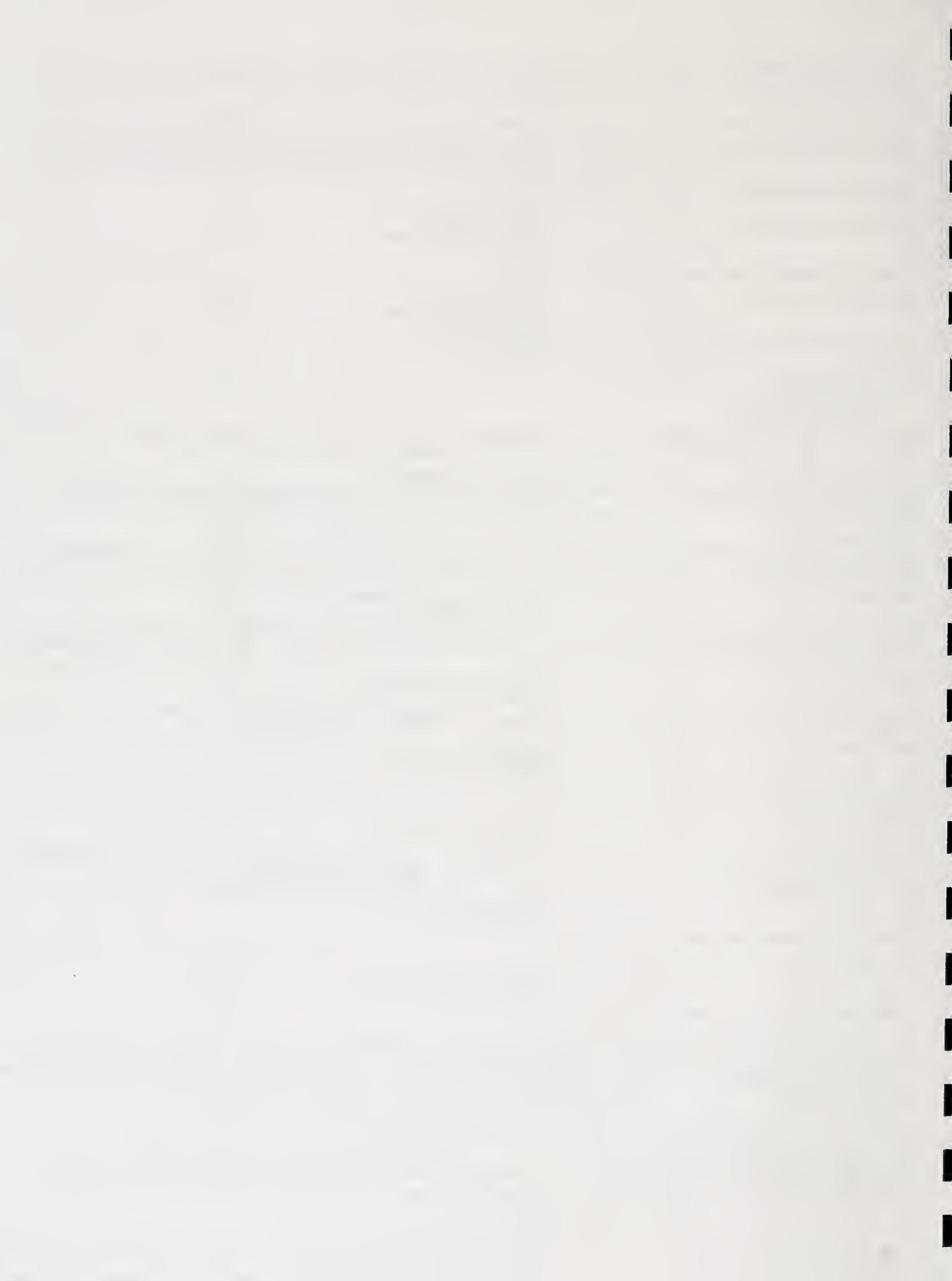
The stream, etc. buffer stipulation will be utilized on this tract's lease.

5058 Goose Bill Butte NW 29.N 6.E 33 E2 320.00

This tract contains 316 acres of classified grazing land and 4 acres of unsuitable land.



5059 Goose Bill Butte NW	29.N	6.E	34	W2		320.00
This tract contains 300 acres of classified grazing land, 16 acres of classified agriculture land, and 4 acres of unsuitable land.						
5060 Goose Bill Butte NW	29.N	6.E	35	E2, SW4		480.00
This tract contains 346 acres of classified grazing land and 134 acres of classified agriculture land. There are several stone circles on this tract. <i>The cultural resources stipulation is placed on all leases.</i>						
5061 Goose Bill Butte NW	29.N	6.E	36	ALL		640.00
This tract contains 632.1 acres of classified grazing land.						
5062 Poverty Coulee SE	29.N	7.E	3	LOTS 1, 2, S2NE4	*	159.69
STATE DOES NOT OWN THE SURFACE.						
There are no special features on this tract.						
5063 Poverty Coulee SE	29.N	7.E	16	LOT 2, N2, SE4	*	483.63
STATE DOES NOT OWN THE SURFACE IN THE SE4.						
This tract contains 323.63 acres of classified grazing land.						
5064 Penzer School Circle Bridge Goose Bill Butte NW Poverty Coulee SE	29.N	7.E	19	LOTS 4, 5, 6, 7		98.56
This tract contains 111.7 acres of classified grazing land. The Marias River borders the south portion of this tract. <i>The river buffer stipulation will be utilized on this tract's lease.</i>						
5065 Poverty Coulee SE	29.N	7.E	20	LOT 8, W2SW4, SE4SW4, SE4		324.06
This tract contains 288.36 acres of classified grazing land and 35.7 acres of irrigated hayland. The Marias River goes through this tract. <i>The river buffer stipulation will be utilized on this tract's lease.</i>						
5066 Penzer School	29.N	7.E	26	LOTS 1, 2, 3, 4, N2S2, SE4SE4		286.16
This tract contains 243.86 acres of classified grazing land and 42.3 acres of unsuitable land. The Marias River goes through this tract. <i>The river buffer stipulation will be utilized on this tract's lease.</i>						
5067 Penzer School	29.N	7.E	27	LOTS 1 THRU 8, NE4, N2NW4, SE4NW4, SW4SW4, N2SE4		584.73
This tract contains 400.35 acres of classified grazing land and 126.5 acres of classified agriculture land. The Marias River goes through this tract. <i>The river buffer stipulation will be utilized on this tract's lease.</i>						
5068 Penzer School	29.N	7.E	29	ALL	*	640.00
STATE DOES NOT OWN THE SURFACE.						
Horse Coulee goes through this tract. <i>The stream, etc. buffer stipulation will be utilized on this tract's lease.</i>						
5069 Penzer School	29.N	7.E	30	S2NE4, SE4	*	240.00
STATE DOES NOT OWN THE SURFACE.						
This tract contains 141.82 acres of classified grazing land and 17.8 acres of irrigated hayland.						
5070 Penzer School	29.N	7.E	31	E2	*	320.00
STATE DOES NOT OWN THE SURFACE.						
Horse Coulee goes through this tract. <i>The stream, etc. buffer stipulation will be utilized on this tract's lease.</i>						
5071 Penzer School	29.N	7.E	32	N2	*	320.00
STATE DOES NOT OWN THE SURFACE.						
There are no special features on this tract.						
5072 Penzer School	29.N	7.E	33	N2	*	320.00
STATE DOES NOT OWN THE SURFACE.						
There are no special features on this tract.						
5073 Penzer School	29.N	7.E	36	LOTS 1, 3, 7, 8, S2NE4, S2		495.28
This tract contains 495.28 acres of classified grazing land. There are several stone circles on this tract. The Marias River goes through this tract. <i>The cultural resources stipulation is placed on all leases. The river buffer stipulation will be utilized on this tract's lease.</i>						
5022 Laird School	37.N	6.E	1	SW4		160.00
This tract contains 160 acres of classified grazing land. There is a reservoir in the central part of this tract. <i>The stream, etc. buffer stipulation will be utilized on this tract's lease.</i>						
5023 Laird School	37.N	6.E	2	S2		320.00
This tract contains 317.3 acres of classified grazing land. There is a reservoir in the SW4 and a pit in the SE corner of this tract. <i>The stream, reservoir, etc. buffer stipulation will be utilized on this tract's lease.</i>						



DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
CONRAD UNIT OFFICE



JUDY MARTZ, GOVERNOR

STATE OF MONTANA

(406) 278-7869
FAX: (406) 278-7077

PO BOX 961
CONRAD, MONTANA 59425-0961

DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
CONRAD UNIT OFFICE
P.O. BOX 961
CONRAD, MT 59425

TELEPHONE: (406) 278-7869 FAX: (406) 278-7077

TO: Teresa Kinley

FROM: Erik Enxbor

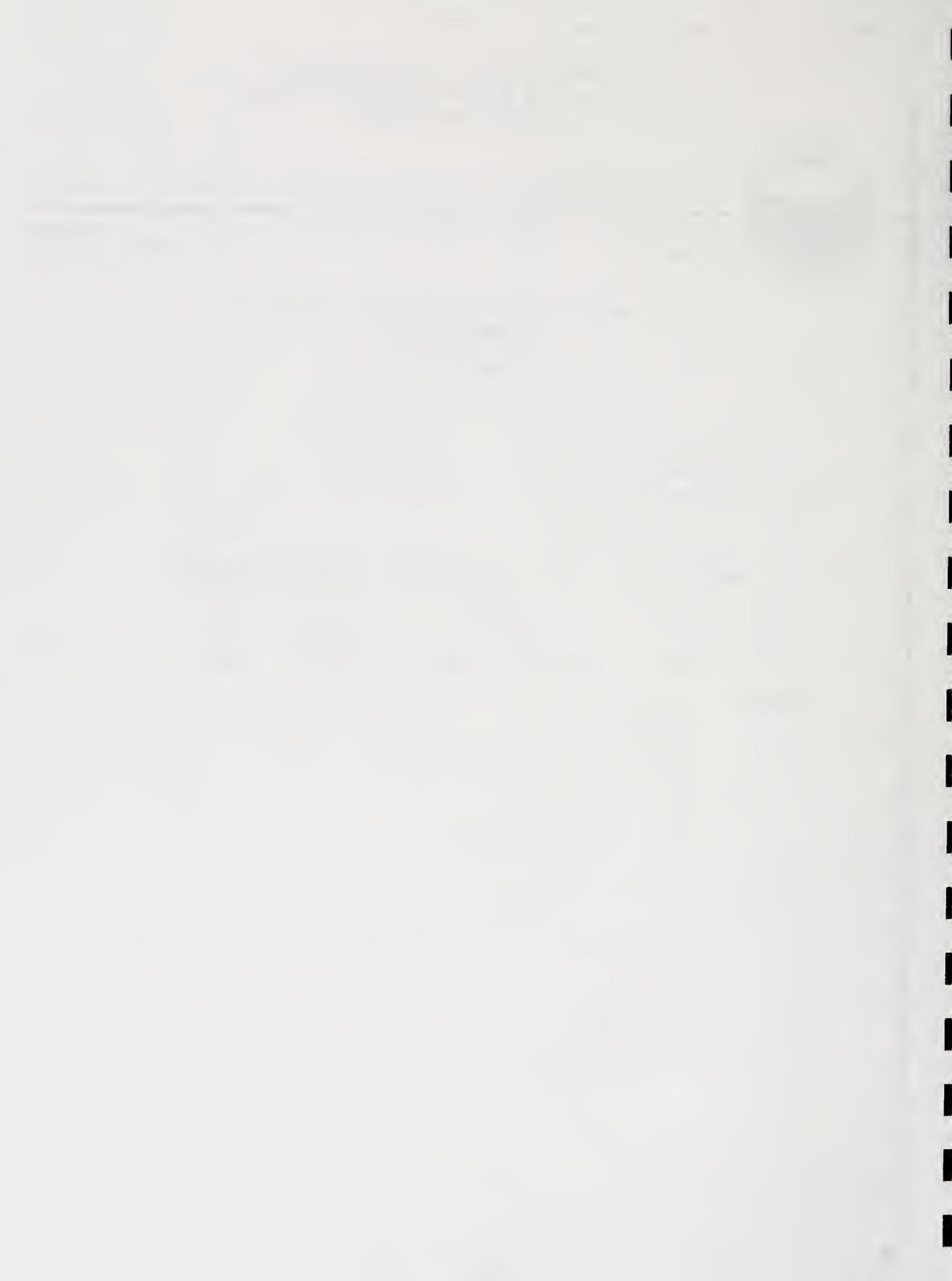
DATE: 7-26-2001

RE: Sept 2001 Oil and Gas Lease Comment

NUMBER OF PAGES TO FOLLOW: 2

MESSAGE: These should be in the mail today.

Erik



DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
CONRAD UNIT OFFICE



JUDY MARTZ, GOVERNOR

STATE OF MONTANA

(406) 278-7869
FAX: (406) 278-7077

PO BOX 961
CONRAD, MONTANA 59425-0961

July 20, 2001

TO Teresa Kinley, Hydro geologist, MMB
FROM Steve Dobson, LUS,CLO
RE September, 2001 State Oil & Gas Lease Sale

Glacier County

App# 5093 T32N, R5W, Sec16 640 acre Native Range, no environmental concerns

Pondera County

App# T27N, R1E, Sec16 640 acre small grain crop production, no concerns

App# 5079 T28N, R1E, Sec 36 640 acre ^{1 1/2} small grain crop production, no concerns
5 1/2 is CRP

App# 5099 T30N, R1W, Sec 21 320 acre 5-acre CRP in SE4NW4SW4, remainder of acreage is in native range. No environmental concerns

Toole County

App# 5080 T29N, R2E, Sec 16 519.79 acre CRP, no environmental concerns

App# 5094 T30N, R1E, Sec 16 640 acre Native Range, no concerns

App# 5095 T30N, R1E, Sec 36 640 acre 485.1 acres in small grain production, remainder in native range, no concerns

App# 5096 T31N, R1E, Sec 26 160 acre small grain production, no environmental concerns

App# 5097 T31N, R1E, Sec 36 640 acre small grain production, no environmental concerns

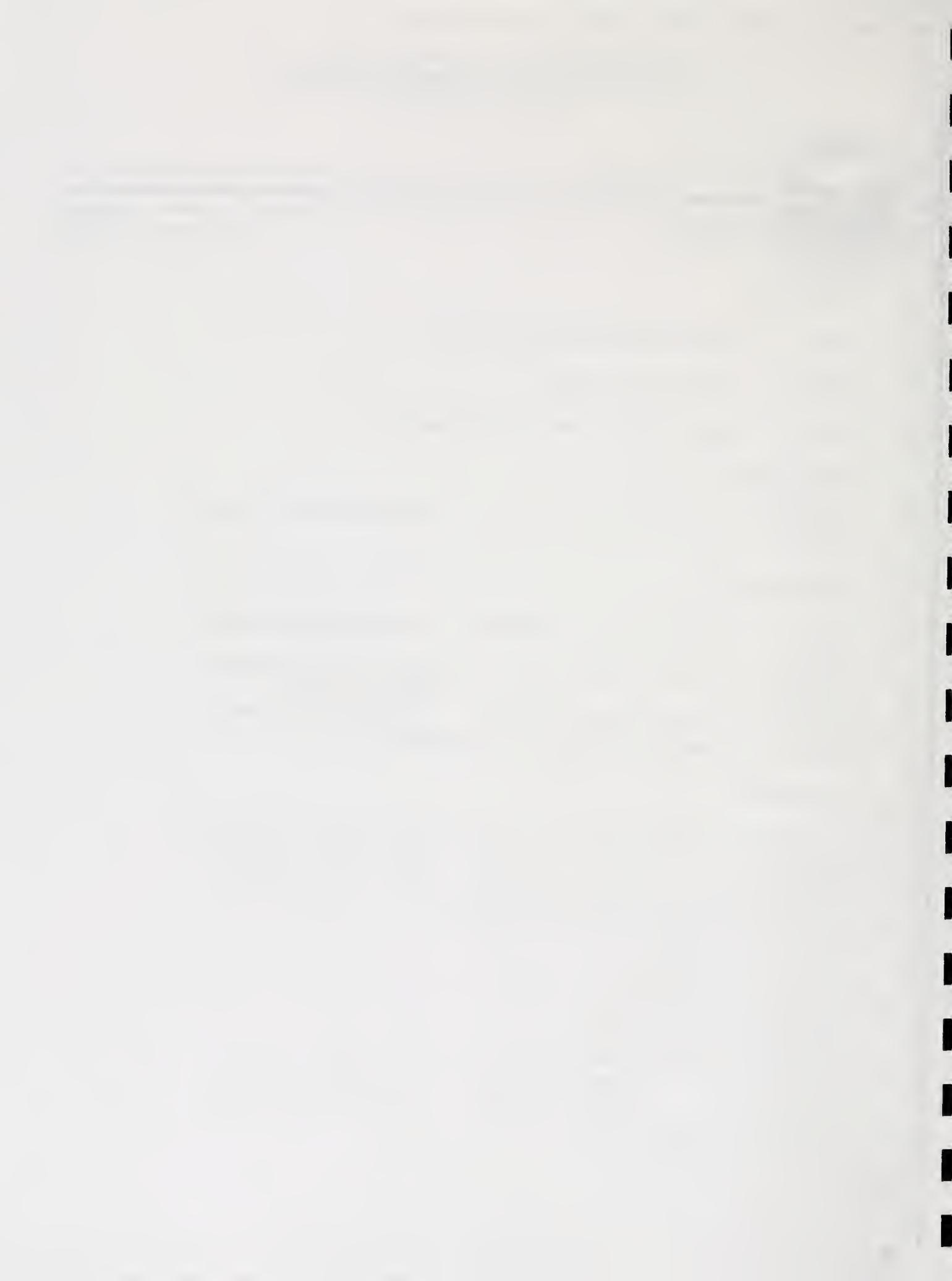
App# 5034 T33N, R2E, Sec 27 160 acre small grain production, no environmental concerns

App# 5035 T33N, R2E, Sec 35 160 acre Native Range, no concerns

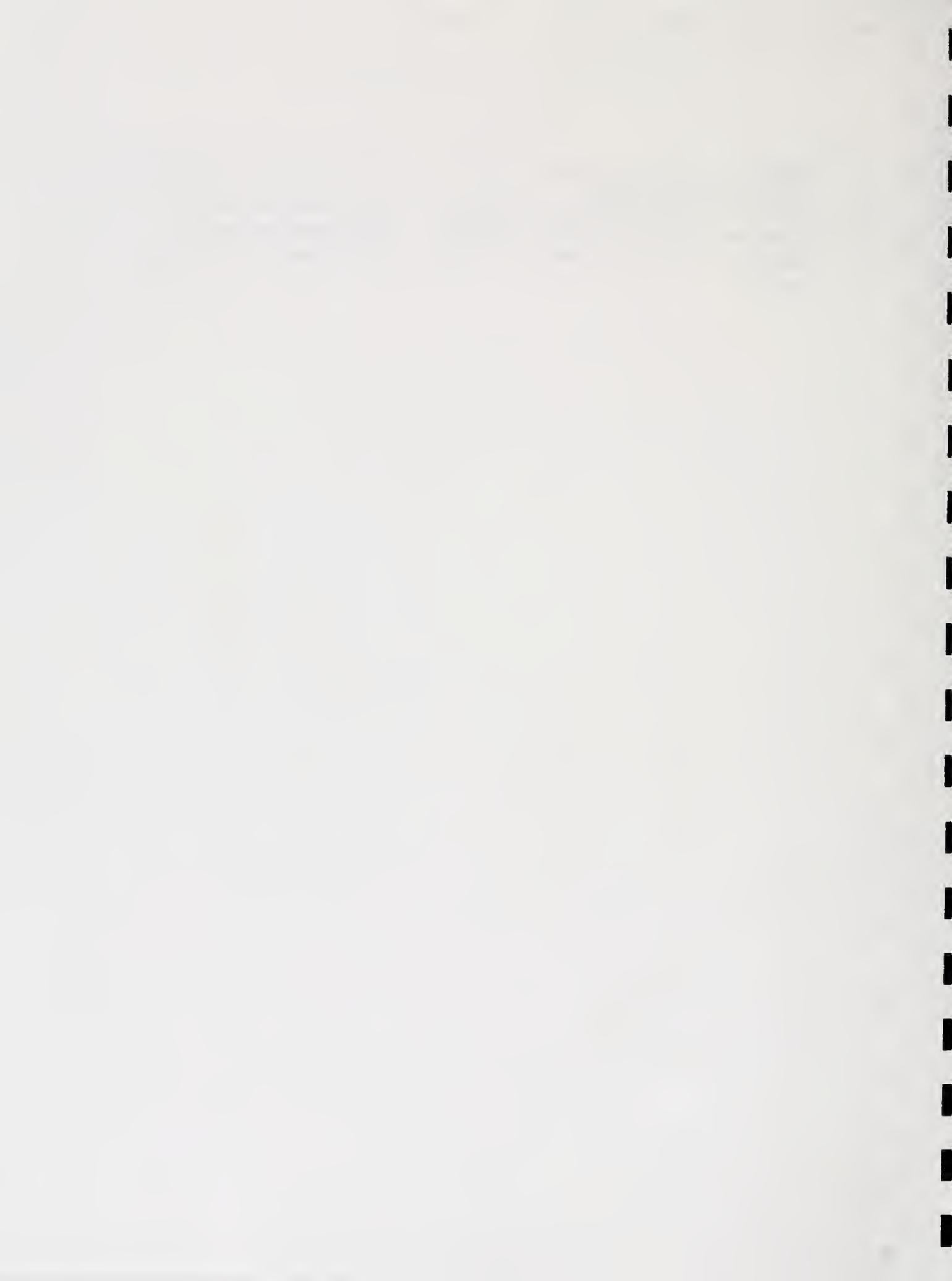
App# 5019 T35N, R2E, Sec 5 317.05 acre Native Range, no concerns

App# 5020 T35N, R2E, Sec 8 320 acre Native Range, no concerns

App# 5008 T35N, R2E, Sec 15 320 acre 100 acres in CRP, remainder in native range, no concerns



App#5024	T35N, R3E, Sec 36	640 acre	Native Range, area dominated by tipi rings and other cultural sites
App# 5026	T36N, R1E, Sec 36	640 acre	Native Range, no concerns
App# 5040	T36N, R2E, Sec 34	640 acre	Native Range, no concerns
App# 5098	T30N, R1W, Sec 16	631.17 acre	Native Range, no environmental concerns



P. 2 is blank
& not included.

Kinley, Teresa

From: Brandenburg, Gary
Sent: Thursday, July 26, 2001 3:13 PM
To: Kinley, Teresa
Subject: RE: September 5, 2001 MT Oil and Gas Lease Sale

Teresa,

Thanks for the reminder. I'm sorry for the oversight.

Regarding the Stillwater county tracts:

**state owns the minerals, i.e.,
oil & gas as shown on tract list.*

- * T2N R20E Sec. 16...According to my records, State ownership is only the N1/2. My main concern here is the stockwater well in the NW1/4. Other than this it is basically dryland pasture producing a good stand of Pubescent wheatgrass. Upland game birds frequent this tract due to its good cover. Try to avoid this area in spring during the nesting period. *The stream, well, etc. buffer stipulation will be utilized on this tract's lease. The wildlife survey stipulation will be utilized on this tract's lease due to upland game birds.*
- * T1N R22E Sec. 16...State ownership is the SW1/4 only according to my records. This is basically all cropland (small grains) except in the extreme SW1/4 which is small 15 acre wetland. This area should be avoided as should any producing cropland. *The stream, wetland, etc. buffer stipulation will be utilized on this tract's lease.*

*** The lease covers surface owners and surface lease's rights & provisions in Section 28.*

Regarding the Big Horn county tracts: *The contact surface owner stipulation will also be utilized on this tract's lease, (App# 5002)*

T1S R30E Sec. 35...This tract comprises 395 acres of small-grain cropland, 182 acres of native rangeland and 63 acres of CRP land in the NE1/4. This CRP is the main concern. Before any exploration activity takes place the Big Horn county FSA should probably be consulted. The cropland should be avoided if it has been planted. *** There are no cultural wetland or wildlife concerns that I'm aware of. The CRP stipulation will be utilized on this tract's lease.*

According to my records the other 3 tracts listed under Big Horn county are not Trust lands. *(surface) The contact surface owner stip. will be utilized on this tract's lease.*

Gary Brandenburg

-----Original Message-----

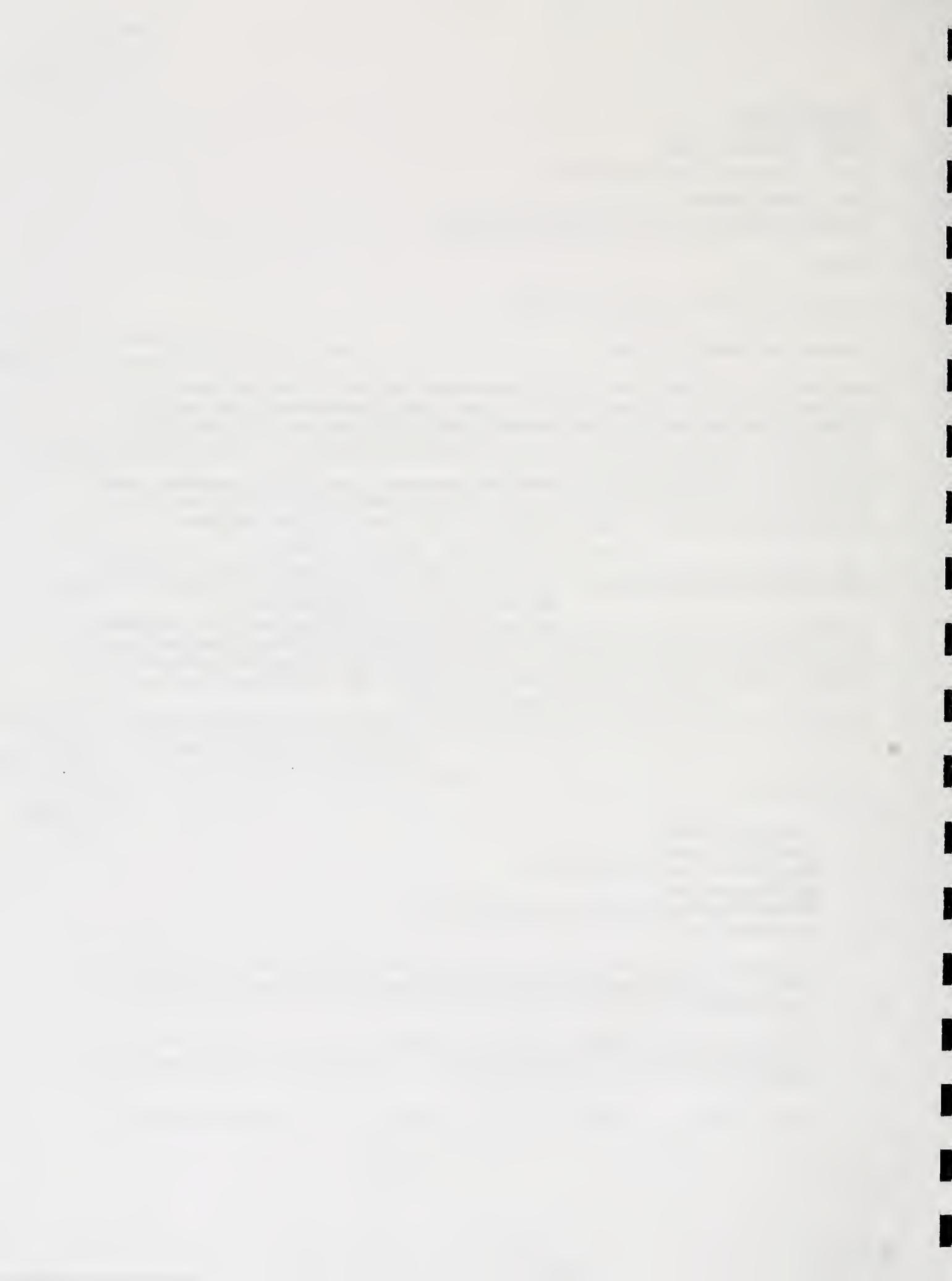
From: Kinley, Teresa
Sent: Thursday, June 28, 2001 4:01 PM
To: Brandenburg, Gary
Subject: September 5, 2001 MT Oil and Gas Lease Sale
Importance: High

I am sending the tract list and my request for comments letter as attached files in Word 97 format. The tract list is a Word file ending in the suffix ".doc" and is in plain text, Courier New font, 8-point size. I have also attached an additional file for informational purposes

As noted in the attached letter, the deadline for comments is July 25, 2001. You do not need to include tracts outside your area in the comments that you return. Comments can be returned by postal mail or electronic mail, however, electronic mail is preferred.

Please contact me at (406) 444-2074 if you have any questions. Thank you for your assistance.

Teresa Kinley





United States Department of the Interior
BUREAU OF RECLAMATION



Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137

July 26, 2001

IN REPLY
REFER TO:

MT-229
LND-6.00

Ms. Teresa Kinley
PO Box 201601
Helena MT 59620-1601

Subject: Request for Comments on the Proposed Oil and Gas Sale, Tiber Reservoir, Montana

Dear Ms. Kinley:

This is in response to your June 29, 2001, letter in which you requested comments on an oil and gas sale, Sec. 16, T. 30 N., R. 1 E, near Tiber Reservoir. You stated that the sale was for the entire 640 acres, but that you do not own the surface of the N2N2. The Bureau of Reclamation is the surface owner of the N2N2. Enclosed is a copy of the stipulations that Reclamation requires for its oil and gas leases. We are requesting that you take them into consideration when determining the stipulations for the subject sale.

If you have any questions, please contact me at (406) 247-7316.

Sincerely,

Susan Stiles
Realty Specialist

The contact surface owner stipulation and the river/reservoir 1/8th mile buffer stipulation will be utilized on this tract's lease as well as the steep, rough topography stipulation.

Enclosure

OPTIONAL FORM 29 (7-90) *Hard Copy to follow*

FAX TRANSMITTAL

of pages *3*

To: *Teresa Kinley*

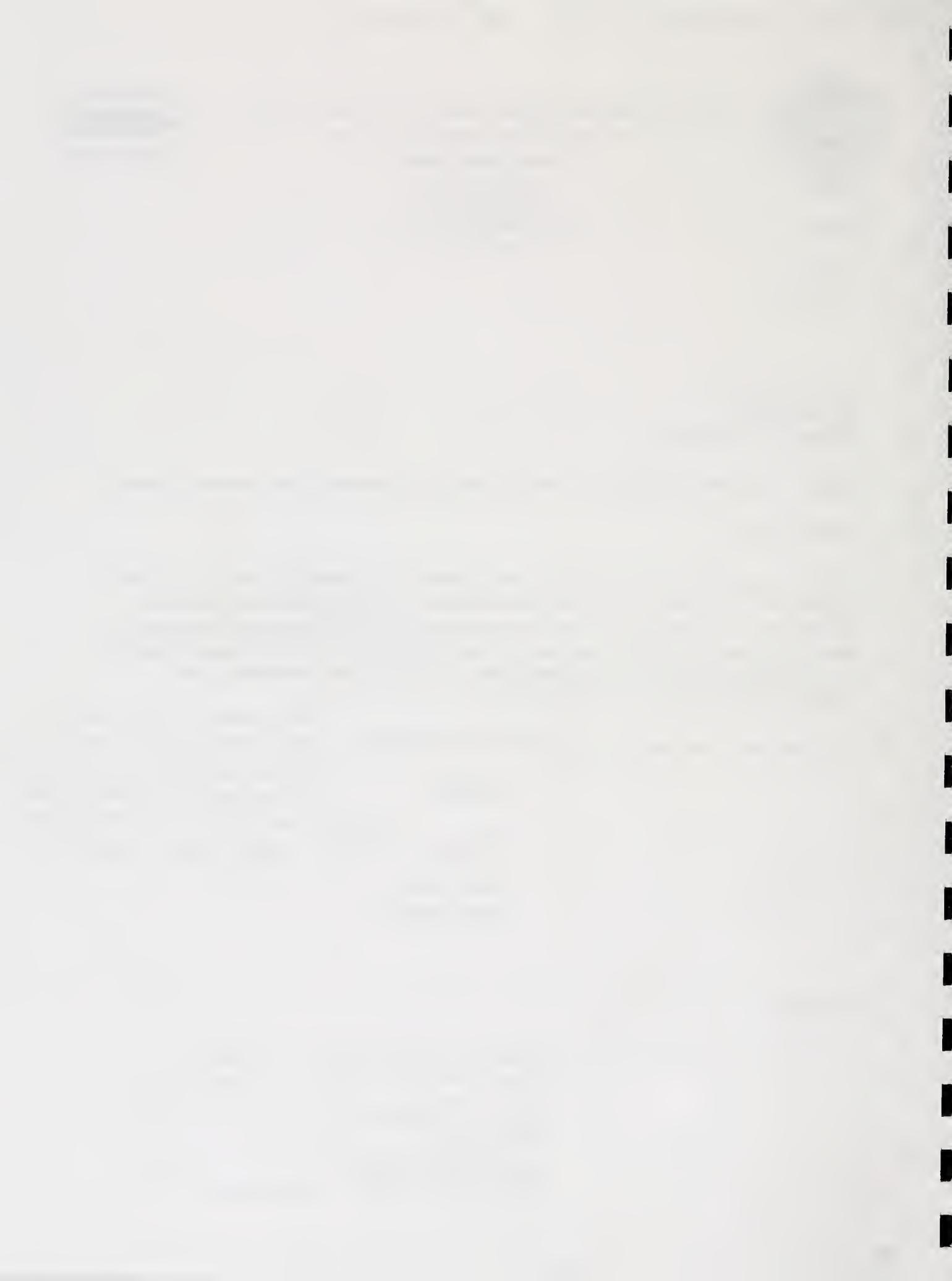
From: *Sue Stiles*

Dept./Agency: *DNRC*

Phone #

Fax # *406-444-2684*

Fax #



GP-135

(02.91)

SPECIAL STIPULATION - BUREAU OF RECLAMATION

To avoid interference with recreation development and/or impacts to fish and wildlife habitat and to assist in preventing damage to any Bureau of Reclamation dams, reservoirs, canals, ditches, laterals, tunnels, and related facilities, and contamination of the water supply therein, the lessee agrees that the following conditions shall apply to all exploration and developmental activities and other operation of the works thereafter on lands covered by this lease:

1. Prior to commencement of any surface-disturbing work including drilling, access road work, and well location construction, a surface use and operations plan will be filed with the appropriate officials. A copy of this plan will be furnished to the Regional Director, Great Plains Region, Bureau of Reclamation, P.O. Box 36900, Billings, MT 59107-6900, for review and consent prior to approval of the plan. Such approval will be conditioned on reasonable requirements needed to prevent soil erosion, water pollution, and unnecessary damages to the surface vegetation and other resources, including cultural resources, of the United States, its lessees, permittees, or licensees, and to provide for the restoration of the land surface and vegetation. The plan shall contain provisions as the Bureau of Reclamation may deem necessary to maintain proper management of the water, recreation, lands, structures, and resources, including cultural resources, within the prospecting, drilling, or construction area.

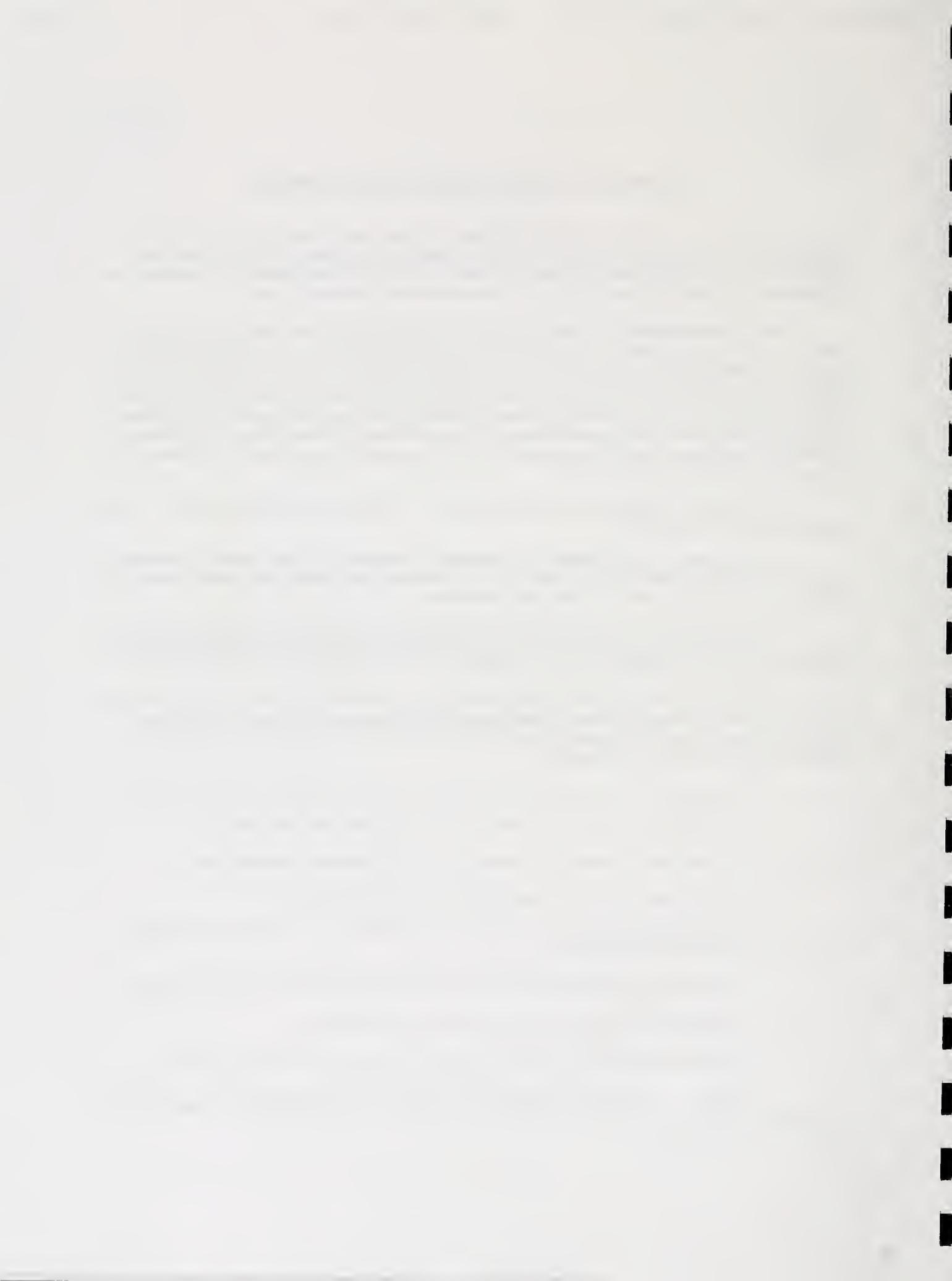
Drilling sites for all wells and associated investigations such as seismograph work shall be included in the above-mentioned surface use and operation plan.

If later explorations require departure from or additions to the approved plan, these revisions or amendments, together with a justification statement for proposed revisions, will be submitted for approval to the Regional Director, Great Plains Region, Bureau of Reclamation, or his authorized representative.

Any operations conducted in advance of approval of an original, revised, or amended prospecting plan, or which are not in accordance with an approved plan constitute a violation of the terms of this lease. The Bureau of Reclamation reserves the right to close down operations until such corrective action, as is deemed necessary, is taken by the lessee.

2. No occupancy of the surface of the following excluded areas is authorized by this lease. It is understood and agreed that the use of these areas for Bureau of Reclamation purposes is superior to any other use. The following restrictions apply only to mineral tracts located within the boundary of a Bureau of Reclamation project where the United States owns 100 percent of the fee mineral interest.

- a. Within 500 feet on either side of the centerline of any and all roads or highways within the leased area.
- b. Within 200 feet on either side of the centerline of any and all trails within the leased area.
- c. Within 500 feet of the normal high-water line of any and all live streams in the leased area.
- d. Within 400 feet of any and all recreation developments within the leased area.
- e. Within 400 feet of any improvements either owned, permitted, leased, or otherwise authorized by the Bureau of Reclamation within the leased area.
- f. Within 200 feet of established crop fields, food plots, and tree/shrub plantings within the leased area.
- g. Within 200 feet of slopes steeper than a 2:1 gradient within the leased area.
- h. Within established rights-of-way of canals, laterals, and drainage ditches within the leased area.
- i. Within a minimum of 500 feet horizontal from the centerline of the facility or 50 feet from the outside toe of the canal, lateral, or drain embankment, whichever distance is greater, for irrigation facilities without clearly marked rights-of-way within the leased area.



j Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected, Reclamation may consider, on a case-by-case basis, waiving the requirements specified in Section 2 hereof. **HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.**

3. No occupancy of the surface or surface drilling will be allowed in the following areas. In addition, no directional drilling will be allowed that would intersect the subsurface zones delineated by a vertical plane in these areas. The following restrictions apply only to mineral tracts located within the boundary of a Bureau of Reclamation project where the United States owns 100% of the fee mineral interest.

a. Within 1,000 feet of the maximum water surface, as defined in the Standard Operating Procedures (SOP), of any reservoirs and related facilities located within the leased area.

b. Within 2,000 feet of dam embankments and appurtenance structures such as spillway structures, outlet works, etc.

c. Within one-half (1/2) mile horizontal from the centerline of any tunnel within the leased area.

d. Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected, Reclamation may consider, on a case-by-case basis, waiving the requirements specified in Section 3 hereof. **HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.**

4 The distances stated in items 2 and 3 above are intended to be general indicators only. The Bureau of Reclamation reserves the right to revise these distances as needed to protect Bureau of Reclamation facilities.

5 The use of explosives in any manner shall be so controlled that the works and facilities of the United States, its successors and assigns, will in no way be endangered or damaged. In this connection, an explosives use plan shall be submitted to and approved by the Regional Director, Great Plains Region, Bureau of Reclamation, or his authorized representative.

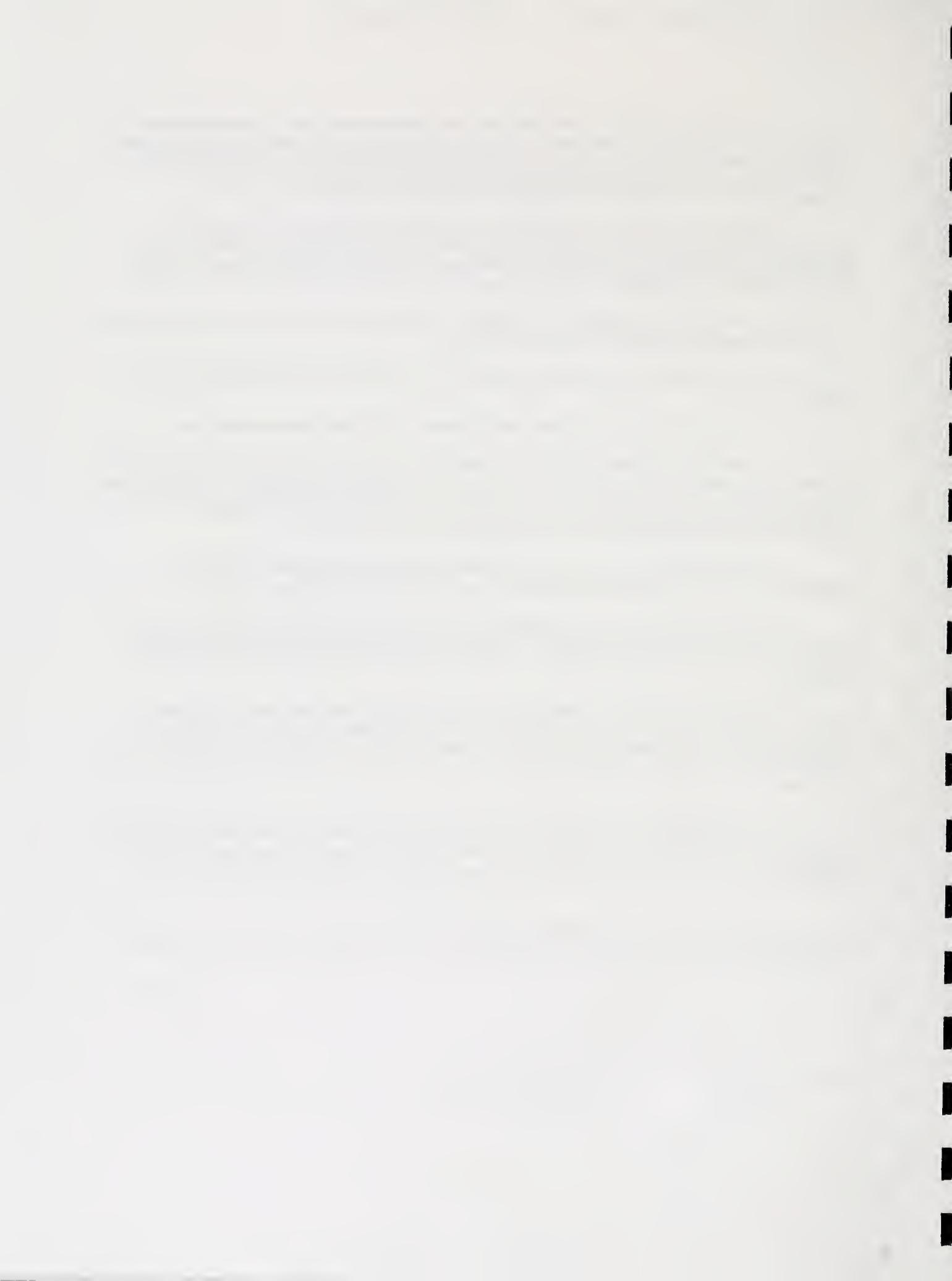
6 The lessee shall be liable for all damage to the property of the United States, its successors and assigns, resulting from the exploration, development, or operation of the works contemplated by this lease, and shall further hold the United States, its successors and assigns, and its officers, agents, and employees, harmless from all claims of third parties for injury or damage sustained or in any way resulting from the exercise of the rights and privileges conferred by this lease

7 The lessee shall be liable for all damage to crops or improvements of any entryman, nonmineral applicant, or patentee, their successors and assigns, caused by or resulting from the drilling or other operations of the lessee, including reimbursement of any entryman or patentee, their successors and assigns, for all construction, operation, and maintenance charges becoming due on any portion of their said lands damaged as a result of the drilling or other operations of the lessee.

8 In addition to any other bond required under the provisions of this lease, the lessee shall provide such bond as the United States may at any time require for damages which may arise under the liability provisions of sections six (6) and seven (7) above

Date

Signature of Lessee



DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
CONRAD UNIT OFFICE

✓



JUDY MARTZ, GOVERNOR

STATE OF MONTANA

(406) 278-7869
FAX: (406) 278-7077

PO BOX 961
CONRAD, MONTANA 59425-0961

July 20, 2001

RECEIVED

JUL 27 2001

D.N.R.C.

TO Teresa Kinley, Hydro geologist, MMB

FROM Steve Dobson, LUS,CLO

RE: September, 2001 State Oil & Gas Lease Sale

Glacier County

App# 5093 T32N, R5W, Sec16 640 acre Native Range, no environmental concerns

Pondera County

App# T27N, R1E, Sec16 640 acre small grain crop production, no concerns

App# 5079 T28N, R1E, Sec 36 640 acre ^{1/2} small grain crop production, no concerns

App# 5099 T30N, R1W, Sec 21 320 acre 5-acre CRP in SE4NW4SW4, remainder of acreage is in native range. No environmental concerns.

The CRP stipulation will be utilized on the leases of application numbers 5079 and 5099.

Toole County

App# 5080 T29N, R2E, Sec 16 519.79 acre CRP, no environmental concerns

App# 5094 T30N, R1E, Sec 16 640 acre Native Range, no concerns

App# 5095 T30N, R1E, Sec 36 640 acre 485 1 acres in small grain

production, remainder in native range, no concerns

App# 5096 T31N, R1E, Sec 26 160 acre small grain production, no environmental concerns

App# 5097 T31N, R1E, Sec 36 640 acre small grain production, no environmental concerns

App# 5034 T33N, R2E, Sec 27 160 acre small grain production, no environmental concerns

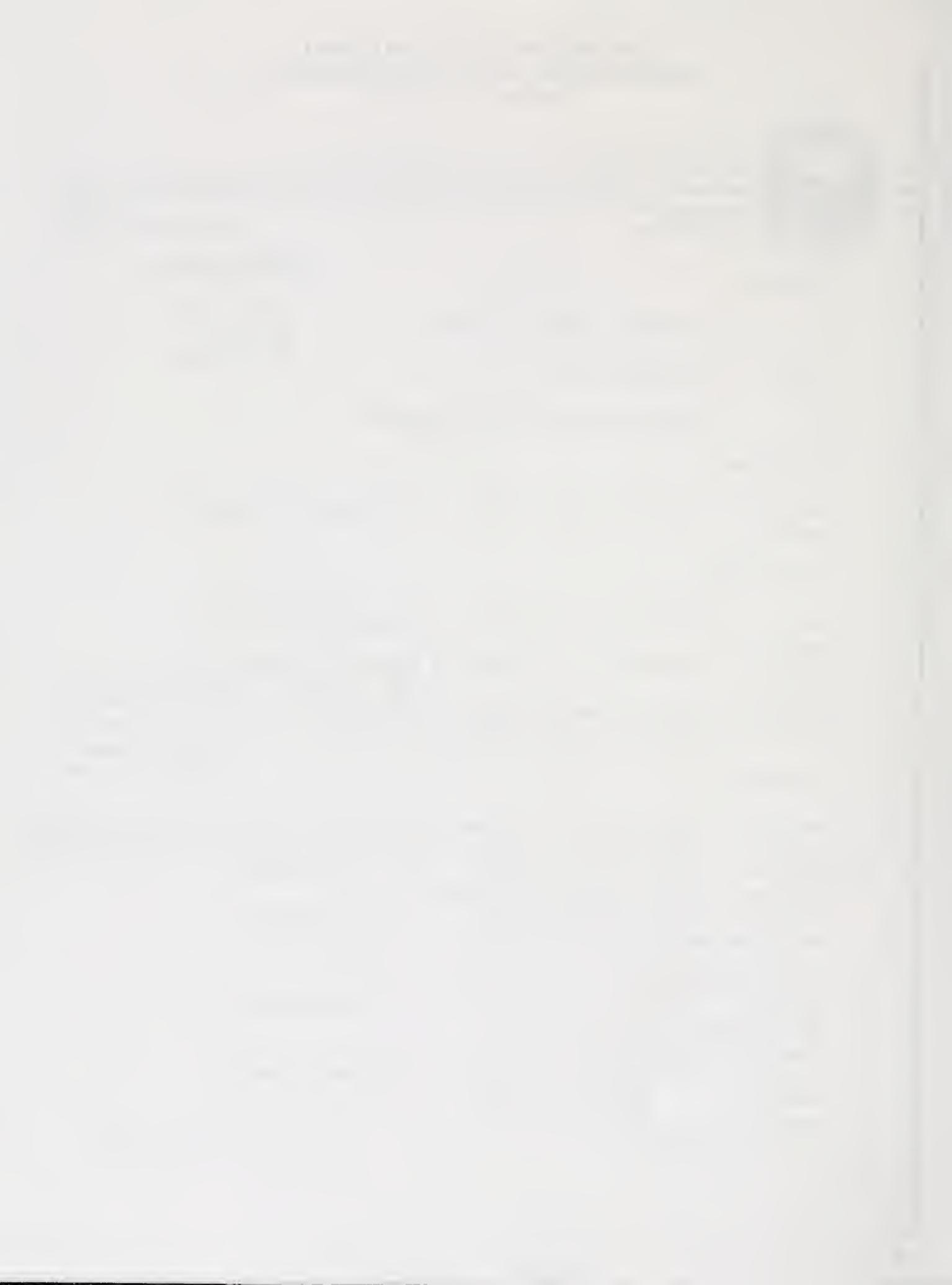
App# 5035 T33N, R2E, Sec 35 160 acre Native Range, no concerns

App# 5019 T35N, R2E, Sec 5 317.05 acre Native Range, no concerns

App# 5020 T35N, R2E, Sec 8 320 acre Native Range, no concerns

App# 5008 T35N, R2E, Sec 15 320 acre 100 acres in CRP, remainder in native range, no concerns.

The CRP stipulation will be utilized on this tract's lease.



App#5024	T35N, R3E, Sec 36	640 acre	Native Range, area dominated by tipi rings and other cultural sites	<i>The cultural resources stipulation is placed on all leases.</i>
App# 5026	T36N, R1E, Sec 36	640 acre	Native Range, no concerns	
App# 5040	T36N, R2E, Sec 34	640 acre	Native Range, no concerns	
App# 5098	T30N, R1W, Sec 16	631.17 acre	Native Range, no environmental concerns	



T-6833
Keil Ranch Inc
Op

T-6241
Robert
Iverson
Op

T-5970
Robert
Iverson
HEL



34

1.
187.8
CRP #20
P-2
2000-2010

T-6831 Keil Ranch Inc Op

T-5973 Robert Iverson
HEL
1-
12.7
CRP #20
2000-2010



T-2547 K.B Farming OP
HEL

2.
310.9

3.
320.0

IE

25416 STEW TELEPHONE CO INC OP

3
352

7
334

9
254



HEL	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	20.7	19.0	20.0	19.6	19.9	19.2	19.6	19.2	19.9	19.6	22.4	15.3

13.
79.6

1-1772 STEPHEN R. MATHESON OP



1.
314.6
OR P#18
CP-25
1999-2014

T-5380 BIRD GRAIN CORP. OP.

HEL

1.
184.5





3281	4	6	7	8	9	10
FSN 196	310	301	319	314	321	305
2	3					
326	16.1					

35
33-2E

11
13.1

HEL

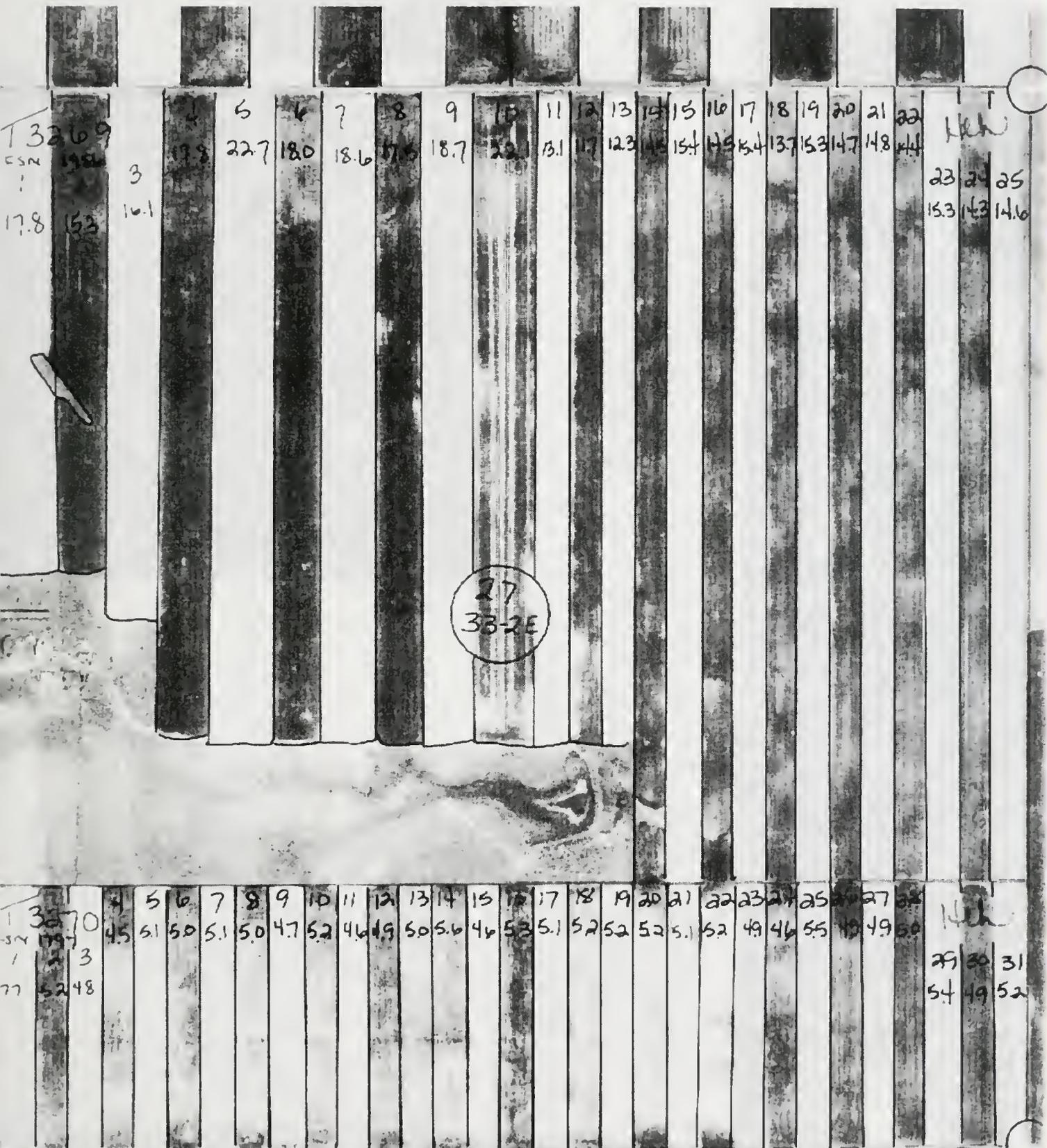
T5788
FSN 684
538
801
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295.6

T42
FSN 15







T4661

FSM 1530

1
161.9

157.2

Hel

T4662

FSM 1530

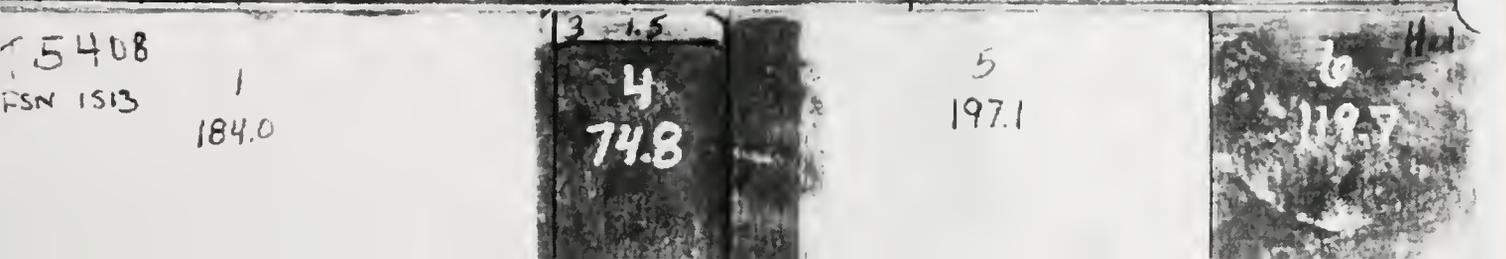
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36
31-1E







T 5364
FSN 127
40.3

2
38.4

3
37.3

HELO

T 5363
FSN 1796
10 444
78-07
07-1

1
426.4

HELO

5365
FSN 1796
37.1

HELO

16
29-2E

CRP





File Code: 1560

Date: July 24, 2001

Teresa Kinley, Geologist/Hydrologist
Montana Department of Natural Resources
And Conservation, Trust Land Management Division
P.O. Box 201601
Helena, MT 59620-1601

RECEIVED

*Application numbers 5044 TIN R60E, Sec 36
and 5103 T1S, R47E, Sec 36
are adjacent to Custer National Forest.
Per Land Board direction the sensitive areas
stipulation will be utilized on their leases.*

AUG 02 2001

D.N.R.C.

Dear Ms. Kinley,

Thank you for the opportunity to submit comments on the oil and gas lease applications for your September 5, 2001 lease sale for the State oil and gas estate adjacent to the Custer National Forest. The tract within Carter County (S36, TIN, R60E, PM) lies adjacent to National Forest System lands administered by the Sioux Ranger District. The tracts within Powder River County (all or parts of S(s) 10, 16, and 36, T1S, R47E, PM) lie adjacent to National Forest System lands administered by the Ashland Ranger District. Resource specialists on my staff have identified a number of issues and resource areas the Forest Service believes should be considered before the leases are made available for lease, they are as follows:

1. Access.

Any access that might require crossing of National Forest System lands would require the lessee to apply for a special use permit for access across the National Forest. Applying for access does not guarantee that access would be granted. *Our maps show section 10 is about 2-3 miles from Custer National Forest and T1S, R47E Sec. 16 is about 3/4 to 1 3/4 miles from the Forest boundary. Appropriate stip. will be utilized to address various concerns. Comment noted. The state does not guarantee access for its leases.*

2. Historical and Cultural Resources.

In preparing our project level work, we have found that the lands within the Custer National Forest in both Carter and Powder River Counties are rich in cultural and traditional resources. Cultural resource surveys should be conducted to identify and inventory those resources within the lease parcels. Members of several tribes (for example, Crow, Lakota (Standing Rock) and Northern Cheyenne) have used and continue to use these areas for traditional practices. We recommend contacting tribes that might be affected by this proposal. *The cultural resources stipulation is placed on all leases.*

3. Landlines and Property Boundaries

A number of the proposed lease parcels lie adjacent to the National Forest. The Forest Service strongly recommends that a lessee/developer survey, post, and properly record the property lines to ensure there is no encroachment on National Forest System lands in the development of the lease. Please have any lessee/developer contact the Forest Engineer, Arlin Krogstad, if they have any questions regarding this issue.

MT Board of Oil and Gas Commission requires a survey of well sites by a certified surveyor.





4. Mineral Development, specifically oil and gas development.

The lands within Powder River County are part of the Powder River Basin. There has been extensive coal-bed methane development within the Powder River Basin near Gillette, Wyoming, with some development near Decker, Montana. It is my understanding from recent court decisions that the coal-bed methane is part of the leasable mineral estate. As such, once the oil and gas is leased, the coal-bed methane can be developed. The Forest Service has not yet conducted an oil and gas leasing analysis on the Ashland or Sioux Ranger Districts to determine which, if any, lands would be made available for development. Federal lands would not be available to lease until such an analysis is completed and approved in a Record of Decision *State & subject to Board of Oil & Gas regulatory authority.*

5. Plants and Wildlife.

A Joint BLM & MT BOGC

EIS on Coalbed Methane is currently underway

Our records do not indicate any Federally listed threatened and endangered species on the National Forest System lands adjacent to the proposed lease parcels. We do not know of any active prairie dog towns or raptor nests adjacent to the proposed lease parcels.

Comment noted.

6. Noxious Weeds

We, as are many other agencies, both State and Federal, are very concerned about the spread of noxious weeds. Therefore, to reduce the spread of noxious weeds, we recommend implementation of best management practices for noxious weeds.

The noxious weed stipulation is placed on all leases.

7. Water.

Regardless of the type of development, crude oil, gas or coal bed methane extraction, the Forest Service strongly recommends that information of the surface and subsurface water resources within the proposed lease parcels be gathered before, during and after any drilling. The kind of information that should be gathered, for example, might be the type of stream-course, the quantity, quality, chemical and mineral content of the water, well recovery times, etc. If produced waters were to be discharged into normally dry drainages or become overland flow, the impacts to native vegetation and soils from additional water and possible erosion would need to be analyzed and monitored. This water may also contain high levels of salts or minerals and the addition of this water to the soil may cause long-term changes in soil chemistry. The effects of these changes on long-term soil productivity must also be analyzed and monitored. Water anywhere, but especially in Eastern Montana, is a precious resource that needs protecting. The Forest Service would enthusiastically support any efforts to protect the water resources within the proposed lease parcels.

All Four tracts are covered by site specific review and DEQ permits.

The stream, well, spring, etc. buffer stipulation is placed on application numbers 5101 and 5102 in Powder River County. App. #s 5044 in Carter Co. & 5103 in Powder River are covered by the sensitive areas stip.

The Forest Service would like to be advised and allowed to offer comment at the time a lessee wants to develop their parcel. Please notify me of any activities that might occur within or adjacent to the Forest. Please note also that our mailing address is the street address, not the post office box number. For activities that lie within or adjacent to the Ashland Ranger District (Powder River and Rosebud Counties) please notify District Ranger Liz McFarland at the Ashland Ranger District, P.O. Box 168, Ashland, Montana, 59003. For activities within or adjacent to the Beartooth Ranger District (Carbon and Stillwater Counties) please notify District Ranger Rand Herzberg at HC 49 Box 3420, Red Lodge, Montana, 59068. For activities within

Subsequent review will take place under the sensitive areas stipulation with proposed activities at specific sites and Custer National Forest personnel will have opportunity to comment. Site specific operating plan review for application numbers 5101 and 5102 is covered under the basic stip #1



or adjacent to the Sioux Ranger District (Carter County, Montana; Harding County, South Dakota) please notify District Ranger George Foley at the Sioux Ranger District, Box 37, Camp Crook, South Dakota, 57724. I would like to thank you again for the opportunity to comment on the proposed lease parcels.

Sincerely,



NANCY T. CURRIDEN
Forest Supervisor

CC: Ashland District Ranger
Beartooth District Ranger
Sioux District Ranger

