

CHECKLIST ENVIRONMENTAL ASSESSMENT

Project Name:	Lease 6284 - Robert and Jerrad Gomke-Expiring CRP to Agricultural Land Classification
Proposed Implementation Date:	Spring/Summer 2011
Proponent:	Robert and Jerrad Gomke, PO Box 56, Kremlin, MT 59532
Location:	Lease #6284, Lots 3, 4, 5, 6, 7, SE4NW4, E2SW4, Section 6, T32N, R7E Lease #6284, Lots 1, 2, Section 7, T32N, R7E
County:	Liberty
Trust:	Common Schools

I. TYPE AND PURPOSE OF ACTION

CRP contract #1595 containing 266.40 acres, Section 6, and CRP contract #1597 containing 60.40 acres, Section 7, both expired on 9/30/2010. The lessees, Robert and Jerrad Gomke, have requested to break a portion of these expired CRP acres. The CRP acres were offered for re-enrollment, but were rejected by the Farm Service Agency, (FSA). The tracts were last farmed in 1988. The estimated acres that will be broke and returned to small grain production is 265.82 acres in Section 6 and 51.72 acres in Section 7. The remaining 8.80 acres in Section 7 is an unnamed coulee consisting of native and introduced species that will not be broke in order to protect the steep slopes. The lessee plans to hay the expired CRP, than spray it two times, and direct seed the proposed break area to winter wheat the fall of 2011.

II. PROJECT DEVELOPMENT

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

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

DNRC-Surface Owner
Robert and Jerrad Gomke-Lessees
Gary Olson-MFWP
Montana Salinity Control Association
Montana Audubon Society

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

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

3. ALTERNATIVES CONSIDERED:

Alternative A (No Action) – Deny Robert and Jerrad Gomke permission to break the expired CRP and return it to small grain production.

Alternative B (the Proposed action) – Grant Robert and Jerrad Gomke permission to break the expired CRP and return it to small grain production.

III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" if no impacts are identified or the resource is not present.*

4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.

These tracts consist of gently rolling topography. A steep coulee cuts Section 7 which will not be broke in order to protect the steep slopes. The below table outlines the soil types that will be broke.

Slope	Class	T-Factor	WEG	Estimated WW Yield	Acres	Section
0-4%	3E	5	6	41 bu/acre	245.30	6
0-4%	3E	5	6	39 bu/acre	.10	6
2-8%	3E	5	6	38 bu/acre	20.42	6
2-8%	3E	5	6	38 bu/acre	48.42	7
0-4%	3E	5	6	39 bu/acre	1.80	7
0-4%	3E	5	6	41 bu/acre	1.50	7
TOTAL	3E				265.82	6
TOTAL	3E				51.72	7
TOTAL	BREAK				317.54	

Class 3 soils have severe limitations that restrict the choice of plants and require special conservation practices. The letter “e” shows that there is an erosion hazard unless close-growing plant cover is maintained. The class 3E soils have an expected yield of 38-41 bu/acre for winter wheat. This soil type is susceptible to wind and water erosion but these concerns will be mitigated due to the residue produced not being destroyed by the utilization of no-till farming practices. Clearly, the majority of the soils on this tract meet DNRC’s land break requirements.

The last noted practice type was CP-10 which is for already established grass. The reason for initial enrollment in CRP is for increased revenue and due to farming difficulties presented by the utilization of mechanical tillage which destroyed the resided produced by small grain production.

Jane Holzer, Montana Salinity Control Association commented, “MSCA has not worked in T32 R7 E so we have no information for the two sites In Liberty Co. you sent a letter about on October 21, 2010. I suggest a close look at the draw in Section 7 and the waterway in the SE corner of Section 6. Look for any previous or current signs of salinity before breaking the CRP forage. If there is no indication of salinity, then rotating to cropland is appropriate at this time.” (See attached E-mail)

These concerns will be mitigated as the draw in Section 7 will not be broke and the upland area above the draw will not be broke. This will provide grass filter strips between the agricultural land and the draw. The waterway in the SE corner of Section 6 does not appear to see more than light seasonal runoff. The utilization of no-till farming will leave enough residue to stop any erosion caused by the light seasonal runoff.

5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.

There are no documented and/or recorded water rights associated with the proposed tracts. The unnamed coulee will not be broke in order to protect the steep slopes. Other water quality and/or quantity issues will not be impacted by the proposed action.

6. AIR QUALITY:

What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.

No cumulative effects to air quality are anticipated.

7. VEGETATION COVER, QUANTITY AND QUALITY:

What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.

The existing vegetation is introduced species consisting of crested wheatgrass and smooth brome grass. The tracts were last farmed in 1988. The vegetative community will be altered by the reclassification. The conversion of CRP to small grain production will increase the overall productivity of the tract as the current grass stand has very low vigor.

A review of Natural Heritage data through the NRIS was conducted and there were no plant species of concern noted or potential species of concern noted on the NRIS survey.

8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:

Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.

Gary Olson, Wildlife Biologist-FWP, commented, "I have reviewed the CRP breaking proposal for State Lease #6284 (317.54 acres, Liberty Co.). I understand and am sympathetic to the position that the lessee is put in because of the non-acceptance of the CRP bid-in. However, because of the loss permanent vegetative cover and wildlife habitat, I would ask that the breaking request be denied." see attached letter. These concerns will be somewhat mitigated as the proposed action will remove the permanent vegetative cover, but the residue produced in small grains production will still provide limited cover and food for the area wildlife. In addition, the unnamed coulee will not be broke in order to protect the steep slopes. FWP did not provide any site specific comments regarding this proposed break.

Converting existing CRP acres to agricultural land will decrease wildlife thermal and hiding cover. This reduction of cover may adversely impact various wildlife species including songbirds, upland game birds, waterfowl, antelope, white tailed deer, and mule deer. Agricultural land may provide a limited food source for wildlife species including deer, antelope, upland game birds and migrating waterfowl. No comments were received from the Montana Audubon Society.

9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:

Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.

There are no threatened or endangered species, sensitive habitat types, or other species of special concern associated with the proposed project area. Montana FWP did provide general comments regarding wildlife, (see item #8). At this time, no known unique, endangered, fragile or limited environmental resources have been identified within the proposed project area. The project consists of a total of 317.54 acres of CRP, which is only a very small portion of the total CRP acres held within Liberty County.

A review of Natural Heritage data through the NRIS was conducted. There were five animal species of concern and one potential species of concern noted on the NRIS survey: Birds—McCown's Longspur, Long-Billed Curlew, Chestnut-collared Longspur, Loggerhead Shrike, Brewer's Sparrow, and Swainson's Hawk. This particular tract of CRP does not contain many, if any of these species. If any are present, they will be dispersed into surrounding permanent cover.

With the use of the USDA-NRCS Conservation Plan, minimum cumulative effects are anticipated.

10. HISTORICAL AND ARCHAEOLOGICAL SITES:

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

Patrick Rennie, DNRC archaeologist, was contacted and he stated that do to the tract being previously farmed, no historical, archaeological, or paleontological resources would be present.

11. AESTHETICS:

Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.

Since the field is currently in CRP, the unnamed coulee will not be broke, and the surrounding tracts are all farmed or in native rangeland, reclassification as agricultural land will not affect the aesthetics of the area.

12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:

Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.

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

13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:

List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.

There are no other projects or plans being considered on the tract listed on this EA.

IV. IMPACTS ON THE HUMAN POPULATION

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" if no impacts are identified or the resource is not present.*

14. HUMAN HEALTH AND SAFETY:

Identify any health and safety risks posed by the project.

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

15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:

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

The reclassification of this to agricultural land will increase the vegetative productivity of this tract. The estimated WW yield is 38-41 bu/acre so the average estimated yield is 39 bu/acre. $39 \text{ bu/acre} \times \$4.92/\text{bu} \times .25 = \$47.97/\text{acre}$ divided by 2 for 50/50 crop fallow equals \$23.99/acre. The current CRP payment is \$38.00/acre for Section 6 and \$37.62/acre for Section 7, but will not be sustained due to the contract expiring. The Common Schools trust would see an estimated return increase of \$4.99/ac in Section 6 and \$5.18/acre in Section 7. In addition, the Common Schools trust will receive 25% of the FSA Direct Contract Payment (DCP).

16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:

Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.

The proposed action will not significantly affect long-term employment in the surrounding communities.

17. LOCAL AND STATE TAX BASE AND TAX REVENUES:

Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.

The proposed action will increase the tax revenue due to the increased revenue generated in small grain production.

18. DEMAND FOR GOVERNMENT SERVICES:

Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services

There will be no increases in traffic, no changes in traffic patterns, and no need for additional fire protection, or police services.

There will be no direct or cumulative effects on government services.

19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:

List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.

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

20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:

Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.

These tracts of state land are rural and generally have low recreational value. These tracts are legally accessible and the proposed action is not expected to impact general recreational and wilderness activities on these state tracts.

21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:

Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing

The proposal does not include any changes to housing or developments.

No direct or cumulative effects to population or housing are anticipated.

22. SOCIAL STRUCTURES AND MORES:

Identify potential disruption of native or traditional lifestyles or communities.

There are no native, unique or traditional lifestyles or communities in the vicinity that would be impacted by the proposal.

23. CULTURAL UNIQUENESS AND DIVERSITY:

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

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

24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:

Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.

The proposed conversion of CRP to agricultural land will greatly improve the productivity on the tracts and increase the return to the trust. The current CRP stand has lost its vigor and has very low productivity. These tracts were offered for renewal of the CRP contracts and were rejected by the FSA. Therefore, converting this acreage to small grain production will provide the Common Schools trust with an estimated return of \$23.99/acre. This is based on the expected 39 bu/acre yield, the 10 year average selling price of \$4.92/bu, and a 50/50 crop/chemical fallow rotation. No other unique circumstances exist.

EA Checklist Prepared By:	Name: Tony Nickol	Date: February 24, 2011
	Title: Land Use Specialist, Conrad Unit, Central Land Office	

V. FINDING

25. ALTERNATIVE SELECTED:

Alternative B (the Proposed action) – Grant Robert and Jerrad Gomke permission to break the expired CRP and return it to small grain production.

26. SIGNIFICANCE OF POTENTIAL IMPACTS:

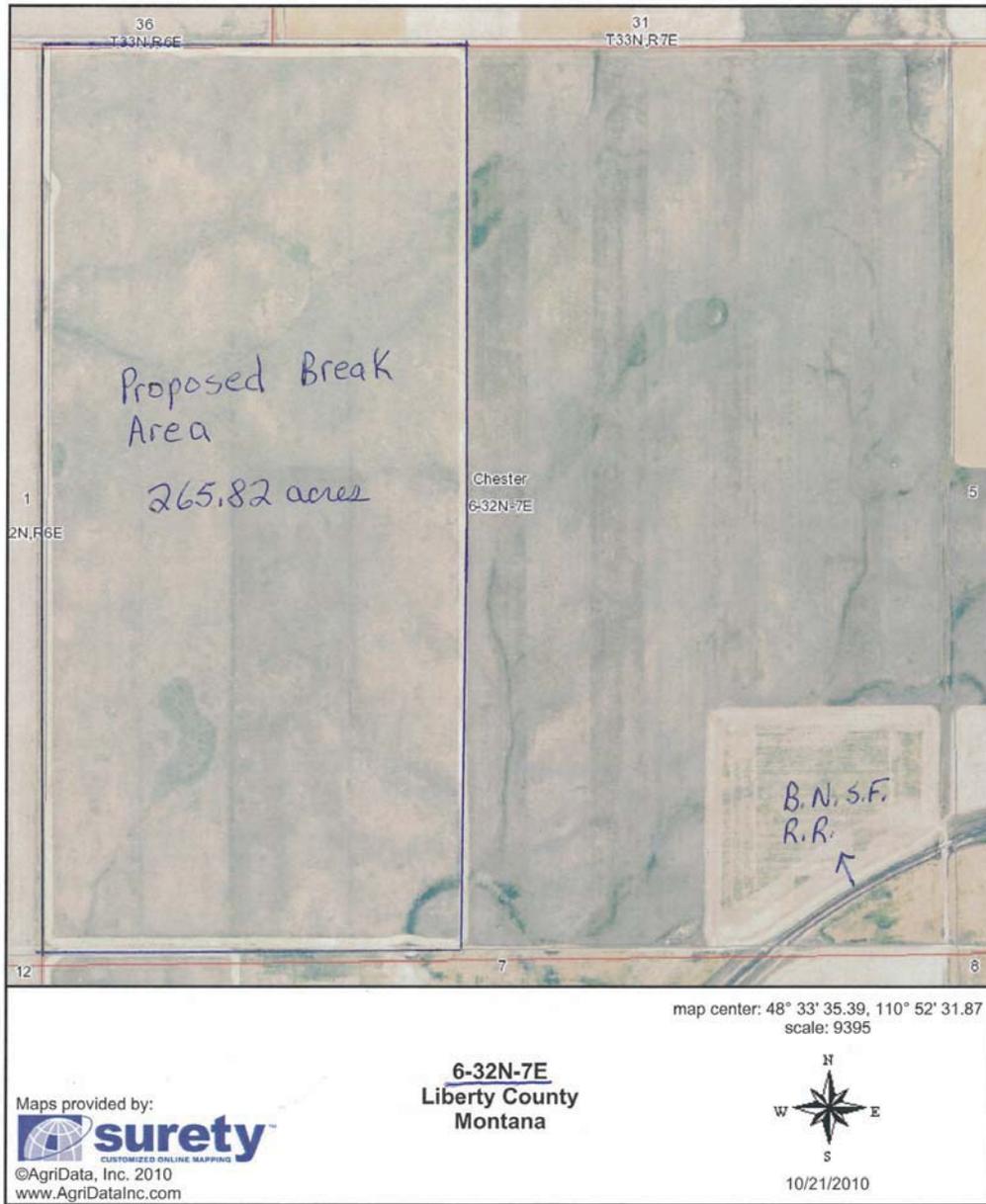
These tracts of state land are surrounded by productive crop land. Minimal negative impacts are expected with breaking this 317.54 acres of expired CRP. The lessees must work with FSA and NRCS and obtain a Conservation Plan and comply with all sod busting regulations. All acres meet current Departmental breaking policy. Soils are highly suitable for small grain production. Small coulee bottoms and drainage areas will not be broke. No till farming practices will be implemented to minimize soil erosion. Breaking these acres will help meet TLMD objectives by increasing revenue to the school trust. An average of 39 bu/acre winter wheat or near \$24.00 per acre annual return is expected for this acreage.

27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:

EIS More Detailed EA No Further Analysis

EA Checklist Approved By:	Name:	Erik Eneboe
	Title:	Conrad Unit Manager, CLO, DNRC
Signature: 		Date: Feb. 28, 2011

Aerial Map



Field borders provided by Farm Service Agency as of 5/21/2008. Aerial photography provided by Aerial Photography Field Office.

Aerial Map



map center: 48° 32' 44.62, 110° 52' 32.21
scale: 9395

Maps provided by:



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7-32N-7E
Liberty County
Montana



10/21/2010

Field borders provided by Farm Service Agency as of 5/21/2008. Aerial photography provided by Aerial Photography Field Office.

<http://www.suretymaps.com/suretylm/reports/fsamap.aspx?datakey=89EC831D1A5192EE80427BE0781C...> 10/21/2010

Nickol, Tony

From: Jane Holzer [msca@3rivers.net]
Sent: Friday, November 05, 2010 6:47 PM
To: Nickol, Tony
Subject: Trust land breaking

Tony - MSCA has not worked in T32 R7 E so we have no information for the two sites In Liberty Co. you sent a letter about on October 21, 2010. I suggest a close look at the draw in Section 7 and the waterway in the SE corner of Section 6. Look for any previous or current signs of salinity before breaking the CRP forage. If there is no indication of salinity, then rotating to cropland is appropriate at this time.

Jane Holzer
Montana Salinity Control Association
PO Box 909
Conrad, MT 59425
(406) 278-3071
msca@3rivers.net



**Montana Fish,
Wildlife & Parks**

11/01/2010

Tony Nickol
DNRC
Conrad Unit
P.O. Box 961
Conrad, MT 59425

Dear Tony,

I have reviewed the CRP breaking proposal for State Lease #6284 (317.54 acres, Liberty Co.). I understand and am sympathetic to the position that the lessee is put in because of the non-acceptance of the CRP bid-in. However, because of the loss permanent vegetative cover and wildlife habitat, I would ask that the breaking request be denied.

Thanks for the opportunity to comment.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gary Olson".

Gary Olson
Area Biologist
MT Fish, Wildlife and Parks
514 South Front St., Suite C
Conrad, MT 59425