



U.S. Department of the Interior  
Bureau of Land Management

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# Environmental Assessment

## DOI-BLM-WY-0000-2021-0003-EA

2022 First Quarter Competitive Lease Sale

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Bureau of Land Management  
Wyoming State Office  
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Cheyenne, Wyoming 82009

BLM e-Planning link: <https://go.usa.gov/xM3ZA>

The BLM's multiple-use mission is to sustain the health and productivity of the public lands for the use and enjoyment of present and future generations. The Bureau accomplishes this by managing such activities as outdoor recreation, livestock grazing, mineral development, and energy production, and by conserving natural, historical, cultural, and other resources on public lands.

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**BLM Wyoming  
Fourth Quarter Competitive Oil and Gas Lease Sale  
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## **1.0 Introduction**

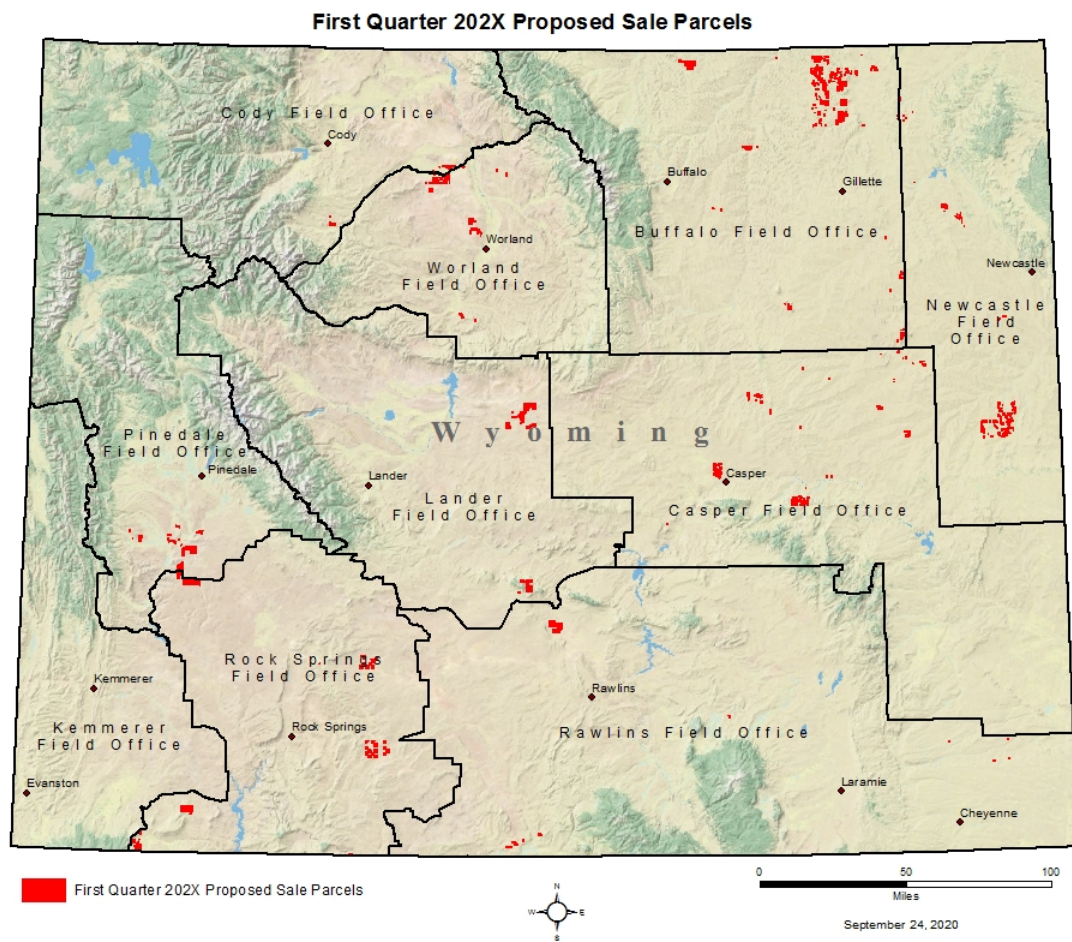
### **1.1 Introduction**

In accordance with the Mineral Leasing Act of 1920 (MLA), as amended [30 U.S.C. § 181 et seq.], Federal Onshore Oil & Gas Leasing Reform Act of 1987 [30 U.S.C. § 181 et seq.] and Title 43 Code of Federal Regulations (CFR) 3120.1-2(a), the BLM Wyoming State Office (WSO) conducts a quarterly competitive oil and gas lease sale for lands that are eligible and available for leasing. A Notice of Competitive Oil and Gas Lease Sale (Sale Notice), which lists parcels to be offered at the auction, will be published by the WSO at least 45 days before each of the subject auction dates. Applicable lease stipulations for each parcel will be identified in the Sale Notices. The decision as to which public lands and minerals are open for leasing and what leasing stipulations may be necessary is made during the BLM's land use planning process in accordance with the Federal Land Policy and Management Act of 1976 (FLPMA) [43 U.S.C. § 1712]. Surface management for mineral extraction on non-BLM administered surface overlying Federal minerals is determined by the BLM in consultation with the appropriate surface management agency or the private surface owner when surface use is proposed by the leaseholder or its designated operator.

After the end of the nomination period, the WSO prepared a draft list of lease sale parcels (the "preliminary parcel list") for this portion of the sale. The WSO submitted the draft list of lease sale parcels to the applicable BLM field and district offices for initial review and processing. Interdisciplinary Teams (IDTs) in each field office, in coordination with their district office, reviewed the parcels to determine 1) if they are located in areas open to leasing under the approved RMP; 2) the appropriate stipulations required under the approved RMP; 3) whether new information or changed circumstances are present since the land use plan was approved; 4) necessary coordination requirements with other Federal or State agencies; and 5) if there are special conditions of which potential bidders should be made aware. The IDT relied on personal knowledge of the areas involved and reviewed existing databases (including Geographic Information System (GIS) data and digital aerial imagery) and file information to determine the appropriate stipulations. Where the BLM personnel determined field visits were necessary, field visits were made to those parcels where the BLM had legal access; results of any onsite visit is documented in the administrative record. No parcels analyzed in this EA required additional site visitation because after IDT review BLM determined existing information was sufficient to support the decision to offer the parcels.

This Environmental Assessment (EA) has been prepared to document compliance with National Environmental Policy Act (NEPA). Recent changes to Council on Environmental Quality (CEQ) regulations implementing the procedural provisions of NEPA redefined "effects" to mean changes to the human environment from the proposed action or alternatives that are reasonably foreseeable and have a reasonably close causal relationship to the proposed action or alternatives, including those effects that occur at the same time and place as the proposed action or alternatives and may include effects that are later in time or farther removed in distance from the proposed action or alternatives (40 CFR 1508.1(g); July 16, 2020). This terminology has replaced NEPA consideration of direct, indirect, and cumulative effects previously used.

**Figure 1. Nominated Parcels 202X First Quarter Competitive Lease Sale**



## **1.2 Background**

BLM is responsible for oil and gas leasing on about 700 million acres of BLM, national forest, and other Federal lands, and seeks to ensure that mineral resources are developed in an environmentally responsible manner.

In accordance with the MLA and 43 CFR § 3120.1-2, the BLM WSO conducts quarterly competitive oil and gas lease sales for lands that are eligible and available. Private individuals or entities may file Expressions of Interest (EOIs) to suggest parcels for consideration for leasing by the BLM. The authorized officer also may identify lands for leasing consideration. Additional information on the competitive lease sale process is available on-line at: <https://www.blm.gov/programs/energy-and-minerals/oil-and-gas/leasing>

The offering and subsequent issuance of oil and gas leases, in and of itself, does not cause or directly result in any surface disturbance. The BLM cannot determine, prior to conducting a lease sale, whether a proposed parcel actually will be leased, or if it is subsequently leased, whether the lease will be explored or developed.

Once a parcel is sold and the lease is issued, the lessee has the right to use the leased lands to explore and drill for all of the oil and gas within the lease boundaries, subject to the stipulations attached to the lease, restrictions derived from specific nondiscretionary statutes, and other reasonable measures to minimize adverse impacts (see 43 § CFR 3101.1-2). Further, relevant regulations at 43 CFR § 3162.5-1(a) provide: “The operator shall conduct operations in a manner which protects the mineral resources, other natural resources, and environmental quality. In that respect, the operator shall comply with the pertinent orders of the authorized officer and other standards and procedures as set forth in the applicable laws, regulations, lease terms and conditions, and the approved drilling plan or subsequent operations plan. Before approving any Application for Permit to Drill (APD) submitted pursuant to § 3162.3-1 of this title, or other plan requiring environmental review, the authorized officer shall prepare an environmental record of review or an environmental assessment, as appropriate. These environmental documents will be used in determining whether or not an environmental impact statement is required and in determining any appropriate terms and conditions of approval of the submitted plan.” Accordingly, the BLM can subject development of existing leases to reasonable conditions to minimize impacts to other resources, through the application of Conditions of Approval (COAs) at the time of permitting. Any constraints must conform with the applicable land use plan and be consistent with rights granted to the holder under the lease. In addition, upon cessation of lease operations, the lessee must plug the well(s) and abandon any facilities on the lease. The surface must also be reclaimed to the satisfaction of the BLM authorized officer, in accordance with the MLA, Section 17g [30 U.S.C. § 226(g)].

Oil and gas leases are issued for a 10-year period and continue for so long thereafter as oil or gas is produced in paying quantities. If a lessee fails to produce oil or gas, does not make annual rental payments, does not comply with the terms and conditions of the lease, or relinquishes the lease, the lease may terminate or be cancelled, and BLM may consider offering the lands for lease at another lease sale after a new review process.

## **1.3 Purpose and Need**

It is the policy of the BLM as derived from various laws, MLA and FLPMA to make mineral resources available for disposal and to encourage development of mineral resources to meet national, regional, and local needs. Continued sale and issuance of lease parcels in conformance with the approved RMPs would allow for continued production of oil and gas from public lands and reserves.

The need is to respond to Expressions of Interest, as established by the Federal Onshore Oil & Gas Leasing Reform Act of 1987 (FOOGLRA), MLA, and FLPMA.

### **1.3.1 Decisions to Be Made**

BLM will decide, based on this analysis, whether to offer parcels for lease and what stipulations will be placed on those parcels, in conformance with the approved RMPs.

#### **1.4 Tiering and Conformance with BLM Land Use Plans and Other Environmental Assessments**

Pursuant to 40 CFR § 1501.11, this EA tiers to the Final Environmental Impacts Statements (FEISs) prepared for each Field Office (FO) Resource Management Plan (RMP), and any subsequent amendments or updates, and incorporates by reference the relevant portions of the FEISs. The impacts analysis in the FEISs for the effects from oil and gas leasing and development incorporates the Reasonably Foreseeable Development (RFD) scenarios (i.e., the level of oil and gas development projected for the life of the plan based on historically and projected trends).

The sale and issuance of the leases conforms to the approved RMPs (43 CFR § 1610.5) and Records of Decision (RODs) for the applicable planning areas, as amended or updated, including:

##### **High Plains District (HPD)**

The Casper Field Office (CFO) RMP ROD approved on December 7, 2007 (supported by June 2007 FEIS), as amended by the Record of Decision and Bureau of Land Management Casper, Kemmerer, Newcastle, Pinedale, Rawlins, and Rock Springs Field Offices Approved Resource Management Plan Amendment (ARMPA) for Greater Sage-Grouse approved on September 21, 2015 (supported by May 2015 FEIS).

The Newcastle Field Office (NFO) RMP ROD approved on August 25, 2000 (supported by June 1999 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The NFO Nebraska RMP ROD approved on May 13, 1992 (supported by the NFO June 1999 FEIS)

The Buffalo Field Office (BFO) Buffalo/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS), as amended by the Buffalo Field Office Record of Decision and Approved Resource Management Plan Amendment (November 22, 2019).

##### **Wind River/Bighorn Basin District (WR/BBD)**

The Lander Field Office (LFO) RMP ROD signed on June 26, 2014 (supported by February 2013 FEIS).

The Cody Field Office (CYFO) Bighorn Basin/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS).

The Worland Field Office (WFO) Bighorn Basin/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS).

##### **High Desert District (HDD)**

The Rawlins Field Office (RFO) RMP ROD approved on December 24, 2008 (supported by January 2008 FEIS) as amended by the ARMPA (supported by May 2015 FEIS).

The Green River (Rock Springs Field Office (RSFO)) RMP ROD approved on August 8, 1997 (supported by April 1996 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The Pinedale Field Office (PFO) RMP ROD approved on November 26, 2008 (supported by August 2008 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The Kemmerer Field Office (KFO) RMP ROD approved on May 24, 2010 (supported by August 2008 FEIS), as amended by the ARMPA (supported by May 2015 FEIS)

The FO RMPs include allocation decisions which identify lands as either open or closed to fluid mineral leasing, and (if open) provide stipulations that are attached to new leases to mitigate effects of potential development operations.

This EA discloses the affected environment (including the reasonably foreseeable environmental trends and planned actions in the area), analysis of potential impacts not already considered in the EISs to which this EA tiers, and potential mitigation of those impacts. The EA provides information for BLM to determine whether this project would have significant impacts not already disclosed and analyzed in other NEPA documents, warranting an EIS. The RMP EISs have already evaluated potentially significant impacts arising from the BLM's land use planning decisions. *See* 43 CFR § 46.140(c). Based on this EA, the BLM may issue a "finding of no significant impacts" (FONSI), if no significant impacts are identified. If a FONSI is reached, a Decision Record (DR) may be signed



approving the selected alternative, which could be the proposed action, the no-action alternative, or a combination thereof.

### **1.5 Relationship to Statutes, Regulations, and Other Plans or Decisions**

The proposed action and alternatives are consistent with other plans, programs, and policies of other federal agencies, the State of Wyoming, local governments, and affected Tribes, to the extent practical, including but not limited to the following:

Federal Land Policy and Management Act of 1976, as amended [43 U.S. Code § 1701 et seq.]  
Mineral Leasing Act of 1920, as amended [30 U.S.C. § 181 et seq.]  
Federal Onshore Oil & Gas Leasing Reform Act of 1987 [30 U.S.C. § 181 et seq.]  
The National Environmental Policy Act [42 U.S.C. 4321 et seq.]  
Clean Air Act [42 U.S.C. § 1857 et seq.], as amended and recodified [42 U.S.C. § 7401 et seq.]  
Clean Water Act [33 U.S.C. § 1251 et seq.]  
Endangered Species Act [16 U.S.C. § 1531 et seq.]  
Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations  
Migratory Bird Treaty Act [16 U.S.C. § 703 et seq.]  
National Trails Systems Act [16 U.S.C. § 1241 et seq.]  
National Landscape Conservation System Act [16 U.S.C. § 7202]  
National Historic Preservation Act of 1966, as amended [54 U.S.C. § 300101 et seq.]  
Protection of Historic Properties (36 CFR § 800)  
Native American Graves Protection and Repatriation Act of 1990 [25 U.S.C. § 3001 et seq.] and 43 CFR § 10  
American Indian Religious Freedom Act of 1978 [42 U.S.C. 1996]  
Native American Trust Resource Policy standards are presented in the Department of the Interior Comprehensive Trust Management Plan dated March 28, 2003  
Wild and Scenic Rivers Act of 1968, as amended [16 U.S.C. § 1271 et seq.]  
Bald and Golden Eagle Protection Act of 1940, as amended [16 U.S.C. § 668 et seq.]  
Paleontological Resources Preservation Act of 2009 [16 U.S.C. § 470aaa et seq.]  
Greater Sage-grouse Record of Decision and Land Use Plan Amendments and Revisions for Northwest Colorado and Wyoming, 2015 (United States Department of Agriculture, Forest Service)  
USFS Supplemental Information Report to the Biological Assessment and Evaluation for Revised Land and Resource Management Plans and Associated Oil and Gas Leasing Decisions, 2018

### **1.6 Scoping**

To identify preliminary issues for analysis (see the BLM's NEPA Handbook H-1790-1 at page 41), the BLM conducted internal scoping. The BLM personnel listed in Appendix 4.5 provided information and input for this EA. Through the BLM's internal scoping, and in light of the numerous EAs the BLM has prepared for oil and gas lease sales in Wyoming, this EA incorporates by reference the analysis of issues previously addressed in the RMP FEISs, to which it tiers.

BLM Wyoming personnel also conferred with the Wyoming Game and Fish Department (WGFD) in accordance with an interagency Memorandum of Understanding. BLM Wyoming also conferred with the United States Forest Service (USFS) regarding nominated parcels in which the USFS is the surface management agency. For these specific parcels, the BLM received lease parcel stipulations from the USFS and have attached those stipulations accordingly (see Appendix 4.1).

In addition, BLM conducted a 30-day public scoping period which began on August 31, 2021. The main issues identified through public scoping included, but were not limited to, leasing in Greater Sage-Grouse habitat, big game habitat and migrations corridors and potential emissions impacts. Comments received through the public scoping process were incorporated into this document.

### **1.7 Public Participation**

Formal public participation was initiated when the original parcel list (459 parcels) was posted to the ePlanning database on August 31, 2021. A news release was issued on August 31, 2021, notifying the public that the parcels were being posted for a 30-calendar day scoping and public comment period. A news release was issued on November 1, 2021 notifying the public that this EA is being posted on the BLM Wyoming website for a 30-calendar day public comment period. As required by BLM leasing policies, where parcels include split estate lands, the BLM WSO sent notification letters to the surface owner(s) identified by the party submitting the EOI.

After the public comment period BLM will review and address all substantive comments on the EA before issuing a decision on which parcels will be offered at the lease sale.

## **1.8 Issues Identified for Analysis**

Analysis issues include resource issues that could potentially be affected by oil and gas leasing. The BLM focuses its analysis on changes to the human environment from the proposed action or alternatives that are reasonably foreseeable and have a reasonably close causal relationship to the proposed action or alternatives, including those effects that occur at the same time and place as the proposed action or alternatives and may include effects that are later in time or farther removed in distance from the proposed action or alternatives (40 CFR 1508.1(g)). Consistent with 43 CFR § 3120.3 and § 3120.4-1, the BLM identified site-specific resource concerns and lease stipulations for proposed parcels through a preliminary review process conducted prior to a public scoping period. The following resources/issues will be analyzed in detail in this EA:

### Air Resources

How would future potential development of nominated lease parcels contribute to greenhouse gas (GHG) emissions and climate change and what quantities of GHG emissions (including upstream, midstream, and downstream) are anticipated?

### Greater Sage-Grouse

What are the effects to sage-grouse habitats and populations if the parcels nominated for the March 2022 lease sale are leased and subsequently developed for oil or gas production?

### Big Game Species

What are the effects from potential oil and gas development on parcels that may be offered for lease to big game habitats and populations within state identified crucial winter range and designated migration corridors?

### Water Resources

What are the effects of potential oil and gas development, including hydraulic fracturing, on parcels that may be offered for lease on surface and groundwater quality and quantity?

## **1.9 Issues Eliminated from Further Analysis**

The following resources/issues are either not present or did not warrant detailed analysis and not considered in this EA: lands with wilderness characteristics, lands and realty conflicts, locatable and salable minerals, forest and woodland, cave and karst resources, wilderness study areas, Areas of Critical Environmental Concern (ACECs), Master Leasing Plans, and wild and scenic rivers. Other resource issues BLM considered but eliminated from further analysis due to environmental impacts previously analyzed through prior NEPA reviews and/or lease notices or stipulations that were applied to avoid and minimize impacts are discussed below:

**Cultural and Heritage Resources:** Cultural and Heritage resources include traditions cultural properties and historic trails. All parcels addressed in this EA have the potential to contain surface and buried archaeological materials or may be in an area which could affect the setting of known or unknown historic sites, and/or Traditional Cultural Properties (TCPs). Once the decision is made by the lessee to develop a lease, an area-specific cultural records review would be completed to determine if there is a need for a cultural inventory of the areas of proposed surface disturbance. Generally, a cultural inventory will be required before new surface disturbance and all historic and archaeological sites that are eligible for listing in the National Register of Historic Places would be either

avoided by the undertaking, have adverse effects to sites minimized or mitigated, or have the information in the sites extracted through archaeological data recovery.

The application of lease terms, cultural resource lease stipulations and the cultural resource lease notices (See Appendix 4.1 for parcels with specific cultural resource stipulations and/or paleontological stipulations. In addition, Lease Notice No. 2, and Lease Stipulation No. 1) at leasing provides protection to cultural and heritage resources, paleontology, traditional cultural properties, and historic trails. The BLM will not approve any ground disturbing activities that may affect such properties or resources until it completes its obligations associated with the stipulations that are applied to each respective parcel as well as applicable requirements of the National Historic Preservation Act and any other authorities. The BLM may require modification to exploration or development proposals to protect such properties or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated

**Paleontology:** The application of lease terms and the paleontological lease notices (Appendix 4.1) at leasing provides protection to paleontological resources. Leased lands that fall into this category could require professional assessment which may include a field survey prior to surface disturbance. The results of the assessment and survey by a BLM-permitted paleontologist will serve as the basis for a mitigation plan during development. If the inventory resulted in the identification of paleontological resources, mitigation measures may include avoidance, professional monitoring or spot checking, development of an Unanticipated Resource Discovery Plan, and salvage. These mitigation measures would be initiated by BLM and the operator.

**Soils:** The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to soils. Prior to authorization of surface disturbance on a lease, the BLM will require the lessee or their designated operator to submit a Surface Use Plan of Operations to the BLM. The requirements in the BLM-Wyoming Reclamation Policy would be implemented for all surface-disturbing activities. Stabilization and reclamation of disturbed areas (both interim and final) will be required, in accordance with Onshore Oil and Gas Order No. 1. Site-specific, ground-truthed soils data will be provided if and when any associated ground-disturbing activity (drill pad construction or pipeline installation) is proposed. As required in the applicable RMPs, surface disturbance may be restricted or prohibited on steep slopes and within floodplains. Lease Notice No. 1 addresses surface disturbance on slopes greater than 25 percent and is applied to all parcels. Additional stipulations to protect soils can be found in Appendix 4.1.

**Vegetation:** Vegetation resources will not be impacted to the degree that will require detailed analysis in this EA. This proposed sale and issuance of an oil and gas leases would not authorize any ground disturbances which could affect vegetation resources. Leasing is an administrative action that does not result in any surface disturbance. Site-specific effects cannot be analyzed until an exploration or development application is received, after leasing has occurred. There would be no impacts to vegetation resources through sale of leases. There is some expectation that exploration or development could occur, at which time additional NEPA would be conducted should an APD be filed. The applied lease stipulations and notices will notify buyers during sale of leases and allow for the opportunity to make adjustments at the site-specific level when an APD is received and will ensure impacts are addressed. Future development proposals on the leases would be subject to the standard lease terms, and all applicable laws, regulations and onshore orders in existence at the time of lease issuance.

**Visual Resources:** BLM is required to manage for visual resources on BLM owned surface lands. Each RMP contains Visual Resource Management (VRM) requirements and considerations specific for the geographical location to which they apply. VRM practices and standards will be implemented consistent with the respective RMP they are subject to. New oil and gas development would implement, as appropriate for the site, Best Management Practices (BMPs) to maintain visual qualities where possible. This includes, but would not be limited to, proper site selection, reduction of visibility, minimizing disturbance selecting color(s)/color schemes that blend with the background and reclaiming areas that are not in active use. Repetition of form, line, color and texture when designing projects would reduce contrasts between landscape and development. Where applicable, VRM lease stipulations are applied to the proposed parcels in conformance with the approved RMPs (Appendix 4.1). The application of a stipulation would be sufficient at the leasing stage to notify operators that additional measures may be necessary to reduce visual impacts from potential future development (at the APD stage). This provides for the

protection and conservation of the visual resources on public lands, as classified by FLPMA regarding BLM-authorized activities.

**Recreation:** No direct impacts to recreational opportunities would occur as a result of offering leases for sale. The leasing action would be considered in compliance with all relevant recreation regulations, protocols and policies. Impacts on recreation from potential future exploration and development would be analyzed at the APD stage and included design features, and mitigation would be integrated to avoid or minimize potential impacts to recreation consistent with the RMP for the respective planning area.

**Wildlife:**

**Fish and Special Status Species (Plants and Vertebrate and Invertebrate Wildlife):** The BLM screened parcels for plants and wildlife species which may be impacted if a lease parcel is sold and subsequently developed. Stipulations were applied to parcels that contain habitat for these species according to the field office RMP (see Appendix 4.1). BLM also reviewed each proposed lease parcel for special status species and threatened and endangered species (see next three paragraphs for further detail).

**Threatened and Endangered Species:** In additions to the appropriate RMP stipulations, the BLM applies Standard Lease Stipulation No. 2 to all parcels (see Appendix 4.1.1), which states that the BLM may require modifications to, or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. The BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 *et seq.*, including completion of any required procedure for conference or consultation.

**Special Status Species:** The Federal Land Policy and Management Act of 1976, Section 102.8, requires environmental resources to be managed to provide food and habitat for fish and wildlife. The Sikes Act instructs agencies to develop, maintain, and coordinate programs for the conservation and rehabilitation of wildlife, fish and game (16 U.S.C. 670 *et seq.*, section 670h). The DOI Manual 632 and BLM Manual 6840 requires conservation of special status species and the ecosystems upon which they depend on BLM-administered lands. BLM special status species are those listed or proposed for listing under the ESA, and species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the ESA. Instructional Memorandum No. WY IM-2010-027 provides the plant and wildlife Species lists for BLM-administered public lands in Wyoming and these species have been evaluated for potential impacts from the proposed lease sale, as documented by stipulations found in Appendix 4.1 of this EA.

Parcels proposed for lease may contain habitat for sensitive species. Leasing of the proposed parcels would not, by itself, authorize any ground disturbance; however, the proposed lease sale has the potential to impact habitat through future oil and gas development. Although site-specific effects cannot be analyzed until an exploration or development application is received, attachments of stipulations and notices to leases will assure the opportunity to make adjustments, such as design modifications, at the site specific level when an Application for Permit to Drill is received, to address specific wildlife and plant resources.

**Solid and Hazardous Wastes:** None of the parcels are known to contain open sources of solid waste. Historical management of split estate lands is unknown but unlikely to contain reportable levels of hazardous waste; these lands may have been impacted through normal everyday living including but not limited to spills of oils, paints, etc.

Several parcels have been previously leased and contain well bores that have been plugged and abandoned or are active injection wells. Any of these parcels may also contain previously approved for abandonment, oilfield materials in the subsurface; they may also contain materials that were disposed of without authorization.

Should a parcel be leased and developed, generation and temporary storage of waste materials would likely occur. Waste materials would be managed in accordance with Onshore Oil and Gas Order Nos. 1 & 7, the Resource Conservation and Recovery Act (RCRA), applicable WDEQ regulations, and Wyoming Oil and Gas Conservation Commission (WOGCC) rules. Fluid handling would be evaluated at the development stage and fluids associated

with any subsequent drilling, completions and/or production would either be treated, evaporated, or transferred to a WDEQ-authorized commercial treatment, storage, or disposal facility; solids would be treated on site or transferred to a WDEQ-authorized facility. BMPs, SOPs and site-specific mitigation may be applied at the APD stage as COAs.

**Grazing:** Some of the parcels are located within livestock grazing allotments or private pastures. Leasing or production activities would not cause changes to grazing permit terms and conditions. Any activity that involves surface disturbance or direct resource impacts would have to be authorized as a lease operation through future NEPA analysis, on a case-by-case basis, at the APD stage. Impacts to livestock grazing may occur as a result of subsequent actions including exploration development, production, etc. Therefore, reclamation provisions/procedures including re-vegetation (utilizing appropriate seed mix based on the ecological site, elevation and topography), road reclamation, range improvement project replacement/restoration (e.g., fences, troughs and cattle guards), noxious weed control, would be identified in future NEPA/decision documents on a case-by-case basis (at the APD stage). In addition, if any range improvement projects could be impacted by wells or associated infrastructure, well pads could be moved 200 meters to avoid rangeland improvements or vegetation monitoring plots as per 43 CFR 3101.1-2. BMPs, SOPs and site-specific mitigation may be applied at the APD stage as COAs.

**Geology and Mineral Resources:** Oil and gas exploration could lead to an increased understanding of the geologic setting, as subsurface data obtained through lease operations may become public record. This information promotes an understanding of mineral resources as well as geologic interpretation. While conflicts could arise between oil and gas operations and other mineral operations, these could generally be mitigated under 43 CFR 3101.1-2 and under standard lease terms (see Appendix 4.1.1) where sitting and design of facilities may be modified to protect other resources.

Depending on the success of oil and gas drilling, non-renewable natural gas and/or oil would be extracted and delivered to market. Production would result in the irretrievable loss of these resources. Any oil and gas development can be managed to avoid or work within other mineral resources. Mining claims and Mineral Materials were reviewed and no parcels have active gravel pits or commercial rock quarries within their boundaries and none are located within a Known Sodium Lease Area.

At the time of a site-specific proposal for development of the lease, Standard Lease Stipulation No. 3 protects the prior rights:

*Operations will not be approved which, in the opinion of the authorized officer, would unreasonably interfere with the orderly development and/or production from a valid existing mineral lease issued prior to this one for the same lands.*

The oil and gas lessee would conduct its operations, so far as reasonably practicable, to avoid damage to any known deposit of any mineral for which any mining claim is located. The lessee would be required to not endanger or unreasonably or materially interfere with any mining claimant's operations, including any existing surface or underground improvements, workings, or facilities that may have been made for the purpose of mining operations. The provisions of the Multiple Mineral Development Act (30 U.S.C. § 521 et seq.) will apply to the leased lands as well as any applicable oil and gas EIS.

**Designated Development Areas (DDAs)/Oil and Gas Management Areas:** Designated Development Areas and Oil and Gas Management Areas are managed primarily for oil and gas exploration and development. Sixteen parcels (WY-202X-XX-0491, 1156, 1188, 1197, 1201, 1208, 1212, 1227, 1237, 1242, 1247, 1248, 1249, 1251, 7192 and 7204) are located within a Designated Development Area (DDA). The respective field office's Approved RMPs designates these areas for development incorporating almost all lands with moderate to high oil and gas potential. Potential for future mineral development is primarily limited to lands in the Designated Development Areas which do not conflict other resources.

## **2.0 Description of Alternatives, Including Proposed Action**

### **2.1 Introduction**

Leasing is generally a three-step process. First, the BLM issues a RMP, as required by FLPMA, assessing the resources in a given area and determines what lands to open for development (43 CFR § 1601.0-5(n)). Step two, after the RMP has been signed, is to identify parcels eligible for lease, subject to public protest, and hold a competitive lease sale at which parcels are auctioned off and sold to the highest bidder (see 43 CFR § 3120.1-3, 43 CFR § 3120.5-1, 43 CFR § 3120.5-3). For the third and final step, after leases are issued, the lessees submit proposals to develop the leases. Prior to any surface disturbance occurring, an Application for Permit to Drill (APD) must be submitted and approved (43 CFR § 3162.3-1) by the field office. For each APD, the Bureau determines whether to approve the proposals and what conditions to impose (30 U.S.C. § 226(g) and 43 CFR § 3162.3-1).

BLM developed a parcel list of nominated lands from EOIs and the WSO created a shapefile of all parcels. The shapefile is used in the ArcGIS® mapping program (ArcMap®). Once the shapefile of parcels is created, the shapefile and parcels list are forwarded to BLM WSO specialists and field offices for further review and posted to ePlanning for scoping.

Using GIS, WSO screens all parcels to determine which parcels move forward for further review by the field offices. Each field office (FO) with potential parcels within its boundaries receives a list to review containing only those parcels.

The WSO specialists and the field offices use the same ArcMap® system to screen the proposed parcels. This screen is based on the RMP decisions in each FO. The field office reviews the potential parcels and recommends; which lands need to be removed from further consideration (e.g. lands unavailable for lease due to RMP decisions); which lands need to be deferred (potential conflicts that may have arisen); and leasing stipulations (based on RMP decisions). These recommendations are forwarded to the district offices.

The district office (DO) staff compiles all parcels within the district and verifies the recommendations from each FO within the district. Any discrepancies are discussed between the FO and DO staff to resolve those issues. The DO then sends the compiled list back to the WSO, specifically the fluid minerals staff.

The fluid minerals staff then compiles all three DO recommendations and potential parcels back into one list. The State Director (SD) and the District Managers (DMs) then coordinate and discuss the recommendations and concur on which potential parcels, or portions of parcels move forward for analysis and inclusion into the quarterly CLS EA.

The WSO fluid minerals staff prepares the EA and posts it on the ePlanning website for a 30-day public comment period. After the 30-day public comment period, the fluid minerals staff reviews and responds to the comments and makes changes to the EA, if necessary. Any major conflicts identified are discussed with the SD and Deputy State Director (DSD) for Lands and Minerals (and other staff if determined necessary by the SD) for a decision on whether to delete, defer or move the parcel forward.

The public comments and responses are then posted on ePlanning. The WSO publishes a Notice of Competitive Oil & Gas Lease Sale (Sale Notice), beginning a 30-day protest period. After the 30-day protest period, the fluid minerals staff reviews the protests and prepares responses. Once the protest responses are completed, the fluid minerals staff sends the EA, FONSI, Response to Public Comments, Response to Protests and Decision Record (DR) to other WSO staff for review and comment. These reviews are typically obtained from the Planning and Environmental Coordinator(s), Branch Chiefs, DSDs and finally the SD. The SD typically signs the FONSI and DR the day prior to the CLS. At any point in the review process (up until the day the sale is held), parcels or portions of parcels may be deleted or deferred.

Regarding the current list of parcels, three-hundred eighty-three (383) parcels were previously reviewed by the field and district offices and the EA was available for a 30-calendar day public comment period beginning November 13, 2020. In January 2021, a decision was made to defer the March 2021 Competitive Oil and Gas Lease Sale.

In December 2020, a preliminary parcel list of 76 parcels was prepared by the WSO and sent to the applicable field and district offices for review. From that review, BLM Wyoming deleted 4 whole parcels and portions of 27 others. The January 2021 decision to defer also effected these 76 parcels. For ease of review within this EA, the BLM

combined the deferred 383 parcels from March 2021 with other previously deferred 76 parcels in the table below (459 total parcels).

Only the deferred 459 parcels are being considered within this EA. All EOIs received by BLM Wyoming after January 1, 2021 will be considered in a future EA.

## 2.2 Alternative 1 - No Action Alternative

Under the Alternative 1, BLM Wyoming would not offer 459 parcels nominated and located in areas open to leasing under the approved RMPs, containing approximately 560,230.77 acres. This would mean that the Expressions of Interest would be rejected, and the lease parcels would not be offered. Choosing the No Action alternative would not prevent future leasing in these areas consistent with land use planning decisions and subject to appropriate stipulations, identified in the respective land use plans.

## 2.3 Alternative 2 - Proposed Action

Alternative 2 would offer all available parcels (455 parcels containing approximately 530,977.78 acres) nominated through the Expression of Interest. This alternative removes parcels or portions of parcels located in areas unavailable to lease, as indicated in Table 2.1 below.

Table 2.1: 202X-XX Proposed Lease Parcels:

| Field Office | Acres<br>NOMINATED | # of Parcel<br>Nominations | NUMBER<br>DELETE WHOLE<br>(acres) | NUMBER<br>DELETE PART<br>(acres) |
|--------------|--------------------|----------------------------|-----------------------------------|----------------------------------|
| BFO          | 55,862             | 75                         | 0                                 | 0                                |
| CFO          | 31,754             | 36                         | 0                                 | 0                                |
| NFO          | 57,931             | 73                         | 0                                 | 0                                |
| CYFO         | 8,402              | 12 <sup>a</sup>            | 0                                 | 0                                |
| LFO          | 31,477             | 33 <sup>b</sup>            | 0                                 | 0                                |
| WFO          | 45,461             | 30                         | 0                                 | 0                                |
| KFO          | 15,877             | 11 <sup>c</sup>            | 0                                 | 0                                |
| PFO          | 56,861             | 42 <sup>d</sup>            | 4 (3,063)                         | 27 (27,664)                      |
| RFO          | 91,966             | 53                         | 0                                 | 0                                |
| RSFO         | 176,238            | 94                         | 0                                 | 0                                |
| Totals       | 561,833            | 459                        | 4 (3,063)                         | 27 (27,664)                      |

<sup>a</sup> 3 parcels overlap Cody and Worland = parcels and acres counted in CYFO

<sup>b</sup> 3 parcels overlap Lander and Rawlins = parcels and acres counted in LFO

<sup>c</sup> 3 parcels overlap Kemmerer and Rock Springs = parcels and acres counted in KFO

<sup>d</sup> 2 parcels overlap Pinedale and Rock Springs = parcels and acres counted in PFO

## 2.4 Alternative 3 – Modified Proposed Action

The decision as to which public lands and minerals are open for leasing and what leasing stipulations may be necessary is made during the land use planning process. Surface management/use for mineral extraction on non-BLM administered land overlaying federal minerals will be determined by the BLM in consultation with the appropriate surface management agency or the private surface owner at the time such surface use is proposed by the leaseholder or designated agent. Under the MLA, issuing oil and gas leases is a discretionary authority conveyed to the Secretary of the Interior. In accordance with this discretionary authority and as described below, in this alternative BLM would defer two-hundred thirty-six (239) whole parcels and portions of twenty-seven (27) others which overlap Greater Sage-Grouse (GSG) Priority Habitat Management Areas (PHMA) (Table 2.2 Evaluation Label is PHMA, above). Portions of two (2) parcels are deferred complete tribal consultation prior to leasing, as well as for PHMA. The whole parcels or portions of parcels are detailed in the table below and in Appendix 4.1.

Table 2.2: Summary of parcels deferred, deleted, and available for sale:

| FIELD OFFICE | NOMINATED ACRES | PARCEL COUNT    | WHOLE DEFERRAL (ACRES) | PARTIAL DEFERRAL (ACRES) | DELETE WHOLE (ACRES) | DELETE PART (ACRES) | OFFERED PARCELS (ACRES) |
|--------------|-----------------|-----------------|------------------------|--------------------------|----------------------|---------------------|-------------------------|
| BFO          | 55,862          | 75              | 9 (5747)               |                          |                      |                     | 66 (50,114)             |
| CFO          | 31,754          | 36              | 13                     |                          |                      |                     | 23 (19,629)             |
| NFO          | 57,931          | 73              | 45                     |                          |                      |                     | 28 (18,976)             |
| CYFO         | 8,402           | 12 <sup>a</sup> | 7                      |                          |                      |                     | 5 (4,489)               |
| LFO          | 31,477          | 33 <sup>b</sup> | 16                     |                          |                      |                     | 17 (15,883)             |
| WFO          | 45,461          | 30              | 19                     |                          |                      |                     | 11 (10,532)             |
| KFO          | 15,877          | 11 <sup>c</sup> | 11                     |                          |                      |                     | 0 (0.00)                |
| PFO          | 56,861          | 42 <sup>d</sup> | 1                      | 21 (9,343)               | 4 (2,878)            | 27 (27,956)         | 16 (16,133)             |
| RFO          | 91,966          | 53              | 44                     |                          |                      |                     | 9 (9,876)               |
| RSFO         | 176,238         | 94              | 74                     |                          |                      |                     | 20 (33,366)             |
| Total        | 561,833         | 459             | 239                    |                          |                      |                     | 194 (179,001)           |

Under the Alternative 3, 195 parcels not located in PHMA, containing approximately 179,001 acres would be offered for lease during the First Quarter 20XX (20XX-XX) Competitive Lease Sale.

## 2.5 Alternatives Considered and Eliminated from Further Analysis

### Offer All Nominated Parcels as Originally Submitted Through the Expression-Of-Interest (EOI)

Offering all nominated parcels as originally submitted through the EOI process was considered as an alternative to analyze all nominated lands. However, several parcels, or portions of parcels, nominated were in areas where the RMPs have designated those lands as “closed to new oil and gas leasing.” This alternative was not analyzed in detail because the offering of those parcels, or portions of parcels, in areas are closed to leasing would not be in conformance with the RMP(s).

### Offer All Nominated Parcels Subject to Standard Lease Terms and Conditions

Offering all nominated parcels with only the standard lease terms and conditions on the BLM’s lease form was considered to reduce constraints to oil and gas development on public lands. Such an alternative is not in conformance with the approved RMPs where the applicable RMP prescribes stipulations in accordance with FLMPA’s Section 102(a)(8) mandate to manage the public lands to protect resource values. Therefore, this alternative was not analyzed in detail.

### Offer All Available Parcels Subject to No Surface Occupancy (NSO) Stipulations

An alternative was considered that would offer all parcels located in areas open to leasing with a NSO stipulation. This alternative was not carried forward to detailed analysis because it is not in conformance with the approved RMPs and would only prohibit surface occupancy for oil and gas development; other non-oil and gas occupancy may not be similarly constrained. This alternative would unnecessarily limit oil and gas occupancy in areas where the approved RMPs have determined that less restrictive stipulations would adequately mitigate the anticipated impacts under our mandate of multiple-use and sustained yield.



### **3.0 Affected Environment and Environmental Effects**

#### **3.1 Introduction**

The sale of parcels and issuance of oil and gas leases is an administrative action. Nominated lease parcels are reviewed under the approved RMP, and stipulations are attached to mitigate any known environmental or resource conflicts that may occur on a proposed lease parcel. On-the-ground impacts would not occur until a lessee or their designated operator applies for and receives approval to undertake surface-disturbing lease actions.

The BLM cannot reasonably determine at the leasing stage whether a nominated parcel will actually be leased, or if leased, whether or not the lease would be explored or developed or at what intensity development may occur.

The uncertainty that exists at the time the BLM offers a lease for sale includes factors that will affect potential impacts, such as: well density; geological conditions; development type (vertical, directional, horizontal); hydrocarbon characteristics; equipment to be used during construction, drilling, production, and abandonment operations; and potential regulatory changes over the life of the 10-year primary lease term.

If lands are offered, leased, and a proposal for site-specific lease operations is received by the BLM, additional NEPA compliance documentation and technical analysis would be prepared by the BLM. Aside from the applicable protection measures required under the lease stipulations (see Appendix 4.1), additional mitigation may be applied as COAs at that time to mitigate identified impacts.

As described in Section 1.4, above, this EA tiers to the applicable RMP FEISs (40 CFR § 1502.20). In the impacts analysis for the alternatives, below, this EA will only address those resources and impacts where the BLM has determined there are new circumstances or information, or where BLM believes it will be helpful to inform the public about actions that may occur on public lands. This approach comports with the BLM's NEPA Handbook H-1790-1 (at page 28).

For additional descriptions of the potential effects for the alternatives considered below, please refer to the RMP FEISs referenced in Section 1.4.

#### **3.2 Air Resources**

##### **3.2.1 Air Quality**

Regional air quality is influenced by the interaction of meteorology, climate, the magnitude, and spatial distribution of local and regional air pollutant sources (including natural sources), and chemical properties of emitted air pollutants. The following sections summarize the existing climate and air quality within the area potentially affected by the parcels under consideration for leasing.

A variety of pollutants can affect air quality; these pollutants and their effects on health, visibility, and ecology are described in the following sections, along with data on existing air quality conditions found within the subject field offices.

The EPA has delegated regulation of air quality to the State of Wyoming and is administered by the Wyoming Department of Environmental Quality (WDEQ). Wyoming Ambient Air Quality Standards (WAAQS) and National Ambient Air Quality Standards (NAAQS) identify maximum limits for concentrations of criteria air pollutants at all locations to which the public has access. The WAAQS and NAAQS are legally enforceable standards. Concentrations above the WAAQS and NAAQS represent a risk to human health that, by law, require public safeguards be implemented. State standards must be at least as protective of human health as Federal standards, and may be more restrictive than Federal standards, as allowed by the Clean Air Act. Currently, the WDEQ Air Quality Division (AQD) does not have regulations regarding greenhouse gas emissions, although these emissions are regulated indirectly by various other regulations.

Pollutant concentration can be defined as the mass of pollutant present in a volume of air and is reported in units of micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), parts per million (ppm), or parts per billion (ppb). The State of Wyoming has

used monitoring to determine that the HDD's planning areas are currently in compliance with Wyoming and Federal ambient air quality standards for all criteria pollutants with the exception of the Upper Green River Basin (UGRB), which includes portions of the KFO and RSFO, and all of the PFO. The UGRB is a designated nonattainment area for the 2008 ozone standard and the implications of this designation are further discussed on pages 24-25.

For the most part, the counties that lie within the jurisdictional boundaries of the HPD (Natrona, Converse, Platte, Goshen, Niobrara, Weston, Crook, Campbell, Sheridan, and Johnson) are classified as in attainment for all state and national ambient air quality standards as defined in the Clean Air Act. The one exception is the City of Sheridan, which was designated as nonattainment for PM<sub>10</sub> in 1991 (56 FR 11101). On April 4, 2018, EPA removed the City of Sheridan as a nonattainment zone and approved their limited maintenance plan while re-designating them as in attainment of the NAAQS for PM<sub>10</sub> (83 FR 06848).

The counties that lie within the jurisdictional boundaries of the WR/BBD (Park, Big Horn, Washakie, Hot Springs, Fremont, Natrona, Carbon, and portions of Sweetwater) are classified as in attainment for all state and national ambient air quality standards.

Relevant air quality monitoring stations are shown in the table, below:

Table 3.1: Air Quality Monitoring Stations

| County   | Site Name             | Type of Monitor Type | Parameter   | Operating Schedule   | Location  |          |
|----------|-----------------------|----------------------|---|--|-----------|----------|
|          |                       |                      |   |  | Longitude | Latitude |
| Campbell | Thunder Basin         | SPM <sup>1</sup>     | O <sub>3</sub> , NO <sub>x</sub> and Met  | Hourly   | -105.300  | 44.672   |
|          | South Campbell County | SPM                  | O <sub>3</sub> , NO <sub>x</sub> , PM <sub>10</sub> and Met                               | 1/3 (PM <sub>10</sub> ) and hourly (NO <sub>x</sub> and O <sub>3</sub> ) | -105.500  | 44.147   |
|          | Belle Ayr Mine        | SPM                  | NO <sub>x</sub> and PM <sub>2.5</sub>   | 1/3 (PM <sub>2.5</sub> ) and hourly (O <sub>x</sub> )                    | -105.300  | 44.099   |
|          | Wright                | SPM                  | PM <sub>10</sub>  | 1/6  | -105.500  | 43.758   |
|          | Gillette              | SLAMS <sup>2</sup>   | PM <sub>10</sub>  | 1/6  | -105.500  | 44.288   |
|          | Black Thunder Mine    | SPM                  | PM <sub>2.5</sub>   | 1/3  | -105.200  | 43.677   |
|          | Buckskin Mine         | SPM                  | PM <sub>2.5</sub>   | 1/3  | -105.600  | 44.472   |
|          | Fortification Creek   | WARMS <sup>3</sup>   | PM <sub>2.5</sub> , Nitrate, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide, Meteorology  | 1/3 (PM <sub>2.5</sub> ) and 1/7 (others)                                | -105.920  | 44.334   |
|          | South Coal            | WARMS                | PM <sub>2.5</sub> and Meteorology   |  | -105.838  | 44.940   |
|          | Thunder Basin         | IMPROVE <sup>4</sup> | PM <sub>2.5</sub> , Nitrate, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology | 1/3  | -105.287  | 44.663   |
| Converse | Antelope Mine         | SPM                  | PM <sub>2.5</sub>   | 1/3 (PM <sub>2.5</sub> ) and hourly (NO <sub>x</sub> )                   | -105.400  | 43.427   |
| Johnson  | Buffalo               | WARMS                | PM <sub>2.5</sub> , Nitrate, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide and           | 1/3 (PM <sub>2.5</sub> ) and 1/7 (others)                                | -106.019  | 44.144   |

|          |  |                            |   |  |           |         |
|----------|--|----------------------------|---|--|-----------|---------|
|          |  |                            | Meteorology   |  |           |         |
|          | Cloud Peak<br>(stopped monitoring during 2014) | IMPROVE                    | PM <sub>2.5</sub> , Nitrate, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide and Meteorology         | 1/3  | -106.957  | 44.334  |
| Natrona  | Casper   | SLAMS                      | PM <sub>10</sub> and PM <sub>2.5</sub>  | 1/3  | -106.326  | 42.852  |
| Sheridan | Sheridan-Highland Park                         | SLAMS                      | PM <sub>10</sub> and PM <sub>2.5</sub>  | 1/3 (PM <sub>10</sub> ); 1/3 and 1/6 (PM <sub>2.5</sub> )  | -107.000  | 44.806  |
|          | Sheridan-Police Station                        | SLAMS                      | PM <sub>10</sub> and PM <sub>2.5</sub>  | 1/1 (PM <sub>10</sub> ) and 1/3 & 1/6 (PM <sub>2.5</sub> ) | -105.300  | 44.672  |
|          | Sheridan                                       | WARMS                      | PM <sub>2.5</sub> , Ozone, Nitrate, Ammonium, Nitric Acid, Sulfate and Sulfur Dioxide, Meteorology  | 1/3 (PM <sub>2.5</sub> ) and 1/7 (others)                  | -106.8472 | 44.9336 |
| Weston   | Newcastle                                      | WARMS                      | PM <sub>2.5</sub> , Nitrate, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide and Meteorology, ozone  | 1/3 (PM <sub>2.5</sub> ) and 1/7 (others)                  | -104.1919 | 43.8731 |
|          | Newcastle                                      | NADP <sup>5</sup>          | Wet deposition of ammonium, sulfate, metals   | Weekly   | -104.1917 | 43.873  |
| Park     | Cody   | SLAMS                      | PM <sub>10</sub>  | Jan. 3   | -109.073  | 44.532  |
|          | North Absaroka (managed by USFS)               | IMPROVE                    | PM <sub>2.5</sub> , NO <sub>3</sub> -, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology | Jan. 3; Hourly Meteorology                                 | -109.382  | 44.745  |
|          | Yellowstone National Park – Tower Falls        | NADP/NTN <sup>6</sup>      | Wet Deposition Ions, Precipitation, pH  | Weekly (Ions); Daily (Precip)                              | -110.420  | 44.917  |
| Fremont  | Lander   | SLAMS                      | PM <sub>2.5</sub>   | Jan. 3   | -108.733  | 42.833  |
|          | Sinks Canyon                                   | NADP/NTN                   | Wet Deposition Ions, Precipitation, pH  | Weekly (Ions); Daily (Precip)                              | -108.850  | 42.734  |
|          | South Pass City                                | NADP/NTN                   | Wet Deposition Ions, Precipitation, pH  | Weekly (Ions); Daily (Precip)                              | -108.832  | 42.494  |
| Big Horn | Basin  | WARMS CASTNET <sup>7</sup> | Ozone, NO <sub>3</sub> -, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology              | Jan. 7 (Speciated); Hourly (O <sub>3</sub> , Met)          | -108.041  | 44.28   |
| Campbell | Thunder Basin                                  | SPM                        | Ozone, Nitrogen Oxides & Met  | Hourly   | -105.300  | 44.672  |

|            |   |         |   |   |          |        |
|------------|---|---------|---|---|----------|--------|
|            | Thunder Basin                               | IMPROVE | PM <sub>2.5</sub> , NO <sub>3</sub> -, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology | Jan. 3 (Speciated); Hourly Met.                       | -105.287 | 44.663 |
| Johnson    | Buffalo                                     | WARMS   | PM <sub>2.5</sub> , NO <sub>3</sub> -, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology | Jan. 3 (PM <sub>2.5</sub> ); 1/7 (others); Hourly Met | -106.019 | 44.144 |
|            | Cloud Peak (Monitoring stopped during 2014) | IMPROVE | PM <sub>2.5</sub> , NO <sub>3</sub> -, Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology | Jan. 3 (Speciated); Hourly Met                        | -106.956 | 44.333 |
| Sublette   | Boulder                                     | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -109.753 | 42.719 |
| Sublette   | Daniel South                                | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -110.055 | 42.791 |
| Sublette   | Juel Spring                                 | SPM     | O <sub>3</sub> , NO <sub>2</sub>  | Hourly  | -109.563 | 42.373 |
| Sublette   | Pinedale                                    | SPM     | O <sub>3</sub> , PM <sub>2.5</sub> , NO <sub>2</sub>  | Hourly  | -109.885 | 42.853 |
| Sweetwater | Moxa Arch                                   | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -109.788 | 41.751 |
| Sweetwater | Wamsutter                                   | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -108.024 | 41.678 |
| Fremont    | South Pass                                  | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -108.720 | 42.528 |
| Uinta      | Murphy Ridge                                | SPM     | O <sub>3</sub> , PM <sub>10</sub> , NO <sub>2</sub>   | Hourly  | -111.042 | 41.369 |
| Teton      | Jackson                                     | SLAMS   | PM <sub>10</sub> , PM <sub>2.5</sub>  | 1/3   | -110.798 | 43.458 |
| Sweetwater | Rock Springs                                | SLAMS   | PM <sub>10</sub> , PM <sub>2.5</sub>  | 1/3   | -109.220 | 41.592 |
| Laramie    | Cheyenne                                    | NCore   | O <sub>3</sub> NO NO <sub>2</sub> SO <sub>2</sub> PM <sub>10</sub> PM <sub>2.5</sub>                | Hourly for all expect 1/3 for PM <sub>2.5</sub>       | -104.778 | 41.182 |

1 - Special Purpose Monitor (WDEQ-AQD).

2 - State and Local Air Monitoring Stations (WDEQ-AQD).

3 - [Wyoming Air Resource Monitoring System](#) (BLM-WY).

4 - Interagency Monitoring of Protected Visual Environments (Various Federal Agencies).

5 - National Atmospheric Deposition Program (Various Federal and State Agencies).

6 - National Trends Network (NADP).

7 - Clean Air Status and Trends Network (Environmental Protection Agency and BLM-WY).

#### *Criteria Air Pollutants*

Criteria air pollutants are those for which national concentration standards have been established. If the air quality in a geographic area meets the NAAQS, it is designated an attainment area; areas that do not meet the NAAQS are designated nonattainment areas and must develop comprehensive state plans to reduce pollutant concentrations to a safe level. Attainment/nonattainment status is determined separately for each criteria pollutant. Five of the six criteria pollutants for which the EPA has established NAAQs are:

**Carbon monoxide (CO):** CO is an odorless, colorless gas formed during combustion of any carbon-based fuel, such as during the operation of engines, fireplaces, and furnaces. Because carbon monoxide data are generally collected only in urban areas where automobile traffic levels are high, recent data are often unavailable for rural areas.

**Nitrogen dioxide (NO<sub>2</sub>):** NO<sub>2</sub> is a highly reactive compound formed at high temperatures during fossil fuel combustion. During combustion, nitrogen monoxide (NO) is released into the air which reacts with oxygen in the atmosphere to form NO<sub>2</sub>. NO plus NO<sub>2</sub> forms a mixture of nitrogen gases, collectively called oxides of nitrogen (NO<sub>x</sub>). NO<sub>x</sub> emissions can convert to ammonium nitrate particles and nitric acid, which can cause visibility impairment and atmospheric deposition. NO<sub>x</sub> can contribute to “brown cloud” conditions and ozone formation, and

can convert to ammonium (NH<sub>4</sub>), nitrate particles (NO<sub>3</sub>), and nitric acid (HNO<sub>3</sub>). Internal combustion engines are a major source of NO<sub>x</sub> emissions.

Ozone: Ozone is a gaseous pollutant that is not emitted directly into the atmosphere but is formed in the atmosphere from complex photochemical reactions involving NO<sub>x</sub> and reactive volatile organic compounds (VOCs). Common sources of VOCs include automotive and heavy equipment emissions, paints and varnishes, oil and gas operations, and wildfires. Ozone is a strong oxidizing chemical that can burn the lungs and eyes and damage plants. Ozone is a severe respiratory irritant at concentrations exceeding the federal standards.

Particulate matter (PM): PM is small particles suspended in the air that settle to the ground slowly and may be re-suspended if disturbed. Ambient air particulate matter standards are based on the size of the particle. The two types of particulate matter are:

PM<sub>10</sub> (particles with diameters less than 10 micrometers): small enough to be inhaled and capable of causing adverse health effects.

PM<sub>2.5</sub> (particles with diameters less than 2.5 micrometers): small enough to be drawn deeply into the lungs and cause serious health problems. These particles are a primary cause of visibility impairment.

Sulfur dioxide (SO<sub>2</sub>) and sulfates (SO<sub>4</sub>): SO<sub>2</sub> and SO<sub>4</sub> form during combustion from trace levels of sulfur in coal or diesel fuel. SO<sub>2</sub> also participates in chemical reactions and can form sulfates and sulfuric acid in the atmosphere.

The Wyoming DEQ has also established WAAQS, which are state-specific air quality standards for criteria pollutants. The standards and relevant averaging periods are summarized below:

Table 3.2: NAAQS/WAAQS

| Pollutant         | Averaging Time           | National Ambient Air Quality Standards (NAAQS) |                           |                            | Wyoming Ambient Air Quality Standards (WAAQS) |            |                          |
|-------------------|--------------------------|--|---------------------------|----------------------------|---|------------|--------------------------|
|                   |                          | Primary  |                           |                            | Primary                                       |            |                          |
|                   |                          | (ppm)  | (ppb)                     | (ug/m <sup>3</sup> )       | (ppm)   | (ppb)      | (ug/m <sup>3</sup> )     |
| Carbon Monoxide   | 1 hour                   | <b>35</b> <sup>(a)</sup>                       | 35,000                    | 40,000                     | <b>35</b>                                     | 35,000     | 40 (mg/m <sup>3</sup> )  |
|                   | 8 hour                   | <b>9</b> <sup>(a)</sup>                        | 9,000                     | 10,000                     | <b>9</b>                                      | 9,000      | 10 (mg/m <sup>3</sup> )  |
| Lead              | Rolling 3-month          | ---  | ---                       | <b>0.15</b>                | ---   | ---        | <b>0.15</b>              |
| Nitrogen Dioxide  | 1 hour                   | 0.1  | <b>100</b> <sup>(b)</sup> | 189                        | 0.1   | <b>100</b> | 189                      |
|                   | Annual (Arithmetic Mean) | 0.053  | <b>53</b>                 | 100                        | 0.053   | <b>53</b>  | 100                      |
| PM <sub>10</sub>  | 24 hour                  | ---  | ---                       | <b>150</b> <sup>(c)</sup>  | ---   | ---        | <b>150</b>               |
|                   | Annual (Arithmetic Mean) | None   |                           |                            | ---   | ---        | <b>50</b>                |
| PM <sub>2.5</sub> | 24 hour                  | ---  | ---                       | <b>35</b> <sup>(d)</sup>   | ---   | ---        | <b>35</b>                |
|                   | Annual (Arithmetic Mean) | ---  | ---                       | <b>12.0</b> <sup>(e)</sup> | ---   | ---        | <b>12.0</b>              |
| Ozone             | 8 hour                   | <b>0.070</b> <sup>(f)</sup>                    | 70                        | 147                        | <b>0.075</b>                                  | 75         | 147                      |
| Sulfur Dioxide    | 1 hour                   | 0.075  | <b>75</b> <sup>(g)</sup>  | 197                        | 0.075   | <b>75</b>  | 197                      |
| Hydrogen Sulfide  | 1/2 hour average         | ---  | ---                       | ---                        | 0.05  | 50         | <b>70</b> <sup>(h)</sup> |
|                   | 1/2 hour average         | ---  | ---                       | ---                        | 0.03  | 30         | <b>40</b> <sup>(i)</sup> |

Note: **Bold** indicates the standard as written in the corresponding regulation. Other values are conversions.

<sup>(a)</sup> Not to be exceeded more than once per year.

- (b) To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 100 ppb (effective January 22, 2010).
- (c) Not to be exceeded more than once per year on average over 3 years.
- (d) To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m<sup>3</sup> (effective December 17, 2006).
- (e) To attain this standard, the 3-year average of the weighted annual mean PM<sub>2.5</sub> concentrations from single or multiple community-oriented monitors must not exceed 12.0 µg/m<sup>3</sup>. (effective December 14, 2012)
- (f) To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.070 ppm.
- (g) To attain this standard, the 3-year average of the 99th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 75 ppb (effective June 22, 2010).
- (h) not to be exceeded more than two times per year.
- (i) not to be exceeded more than two times in any five consecutive days.

### *Ozone*

Ozone is formed in the lower atmosphere by a series of reactions involving sunlight and precursor emissions of nitrous oxide (NO<sub>x</sub>) and Volatile Organic Compounds (VOCs). Ozone and its precursors can be transported both into and out of the analysis region.

As mentioned above, the UGRB has been designated as a marginal nonattainment area for ozone. The designated nonattainment area includes Sublette County and portions of Lincoln and Sweetwater counties. This designation was based on ozone data for 2008 through 2010. Compliance with the 8-hour ozone NAAQS is based on the ozone “design value,” which is defined as the 3-year average of the annual fourth-highest observed 8-hour average ozone concentration. An ozone design value is first calculated for each monitoring site within a given area. The area-wide ozone design value is then defined as the maximum over all sites within the area. If the design value exceeds the 8-hour ozone NAAQS of 70 parts per billion (ppb), the area is designated nonattainment.

Ozone is currently measured at several sites within southwestern Wyoming. All sites have sufficient data to calculate one or more 3-year design values. Ozone design values for each of these sites, for three recent 3-year design value periods (2015-2017, 2016-2018, and 2017-2019), are listed in the Table 3, below. The general data trend in design values for all sites is either steady or increasing for the 2015-2017 to the 2017-2019 design period. Figure 1 shows the maximum 8-hour daily 2009-2020 Basin, Wyoming WARMS Ozone data.

Table 3.3: Ozone Design Values for Ozone Monitoring Sites in Wyoming Compared with the NAAQS

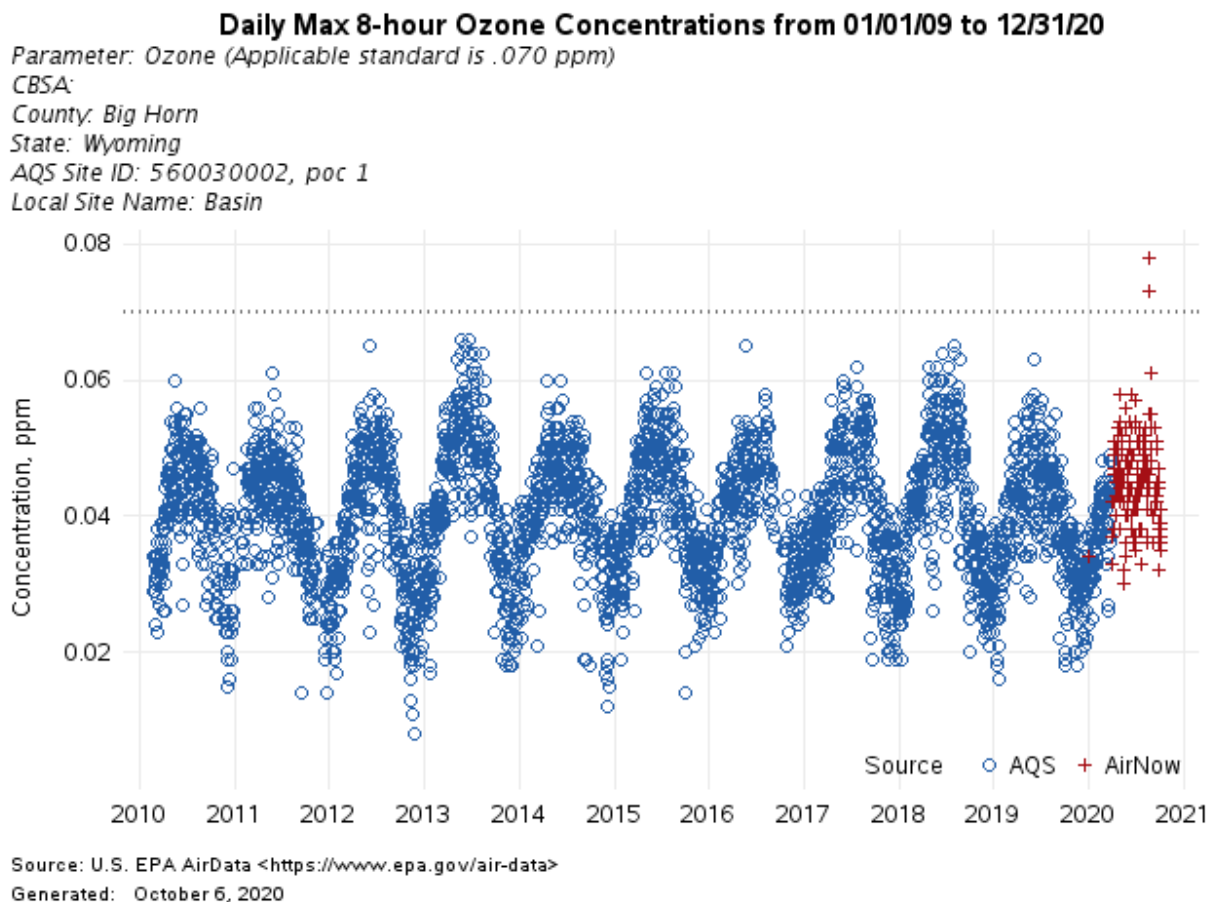
| Site Name      | ID          | County     | Ozone Design Value (ppb) |           |           | NAAQS (ppb) |
|----------------|-------------|------------|--------------------------|-----------|-----------|-------------|
|                |             |            | 2015-2017                | 2016-2018 | 2017-2019 |             |
| Big Piney      | 56-035-0700 | Sublette   | 61                       | 63        | 63        | 70          |
| Boulder        | 56-035-0099 | Sublette   | 58                       | 62        | 72        | 70          |
| Cheyenne NCore | 56-021-0001 | Laramie    | 63                       | 63        | 64        | 70          |
| Daniel South   | 56-035-0100 | Sublette   | 62                       | 62        | 62        | 70          |
| Juel Spring    | 56-035-0700 | Sublette   | 60                       | 62        | 66        | 70          |
| Moxa Arch      | 56-037-0300 | Sweetwater | 66                       | 67        | 66        | 70          |
| Murphy Ridge   | 56-041-0101 | Uinta      | 61                       | 62        | 65        | 70          |
| Pinedale       | 56-035-0101 | Sublette   | 58                       | 61        | 64        | 70          |
| Thunder Basin  | 56-005-0123 | Campbell   | 58                       | 60        | 61        | 70          |
| Wamsutter      | 56-037-0020 | Sweetwater | 55                       | 53        | 57        | 70          |

Source: REF 1018

NAAQS: National Ambient Air Quality Standards

ppb: parts per billion

Figure 1: Daily Max 8-hour Ozone Concentrations



#### Ozone Nonattainment Designation

On April 30, 2012, the EPA formally recognized Wyoming's UGRB as an ozone nonattainment area with a marginal classification. As a result of the nonattainment designation, the BLM must comply with General Conformity regulations in 40 CFR 93 Subpart B and Chapter 8, Section 3 of the Wyoming Air Quality Standards and Regulations (WAQSR). Per these regulations, the BLM must demonstrate that new actions occurring within the nonattainment area will conform with the Wyoming State Implementation Plan (SIP) by demonstrating that they will not: (1) cause or contribute to a new violation of the ozone standard; (2) interfere with provisions in the SIP for maintenance of any standard; (3) increase the frequency or severity of any existing violation; or (4) delay timely attainment of any standard or any required interim emissions reductions or other milestone. The BLM must first conduct an applicability analysis to determine if this Federal action will require a conformity determination. A conformity determination must be completed for a Federal action if the total of direct and indirect emissions from the proposed project exceeds the *de minimis* levels specified in 40 CFR 93.153(b) and WAQSR Chapter 8, Section 3. For a marginal nonattainment area, the *de minimis* threshold is 100 tons/year of NO<sub>x</sub> or VOCs (the precursor pollutants that form ozone in the atmosphere). Federal actions estimated to have an annual net emissions increase less than the *de minimis* levels are not required to demonstrate conformity under the General Conformity regulations.

In accordance with the Federal and State Conformity regulations, the General Conformity requirement does not apply to actions where the emissions are not reasonably foreseeable such as lease sales made on a broad scale followed by exploration and development plans. There are no direct effects from the proposed oil and gas lease sale because it is primarily an administrative action that only conveys the mineral rights to the potential lessee. Subsequent development proposals by lease holders will require to submittal of plans for any exploration or development that may occur and a site specific EA or EIS would be prepared to identify mitigation measures

necessary to avoid undue degradation to the environment prior to approval any development activities. General Conformity is addressed at the proposal stage when emission generating activities are reasonably foreseeable and can be quantified. Under Alternative 2 (Proposed Action) there are 93 parcels located within the non-attainment area, while under Alternative 3 (Modified Proposed Action) there are twenty (20) located in the area (WY-202X-XX-0870, 0878, 0882, 0886,0904, 0911, 0918, 1261, 1262, 1264, 1267, 1272, 6979, 6981, 6995, 7000, 7003, 7008, 7192 and 7216).

On August 27, 2015, the EPA published a Federal Register Notice finding that the Upper Green is attaining the ozone standard as of July 20, 2015 attainment date (see <http://www.gpo.gov/fdsys/pkg/FR-2015-08-27/pdf/2015-21196.pdf>). Formal re-designation of the area to attainment has not yet occurred.

#### *Nitrogen Dioxide*

Nitrogen dioxide (NO<sub>2</sub>) is currently measured at several monitoring sites across Wyoming. Relevant NAAQS for NO<sub>2</sub> include (1) the 1-hour NO<sub>2</sub> NAAQS, which requires the 3-year average of the 98<sup>th</sup> percentile daily maximum 1-hour NO<sub>2</sub> concentration to be less than 100 ppb; and (2) the annual NO<sub>2</sub> NAAQS, which requires the annual average NO<sub>2</sub> concentration to be less than 53 ppb. One-hour NO<sub>2</sub> design values for each of these sites, for the 2014–2016, and 2015–2017, and 2017–2019 3-year design value periods are listed in the Table 4, below. Data from all sites show design values well below the NAAQS.

Table 3.4: 1-Hour Design Values for NO<sub>2</sub> Monitoring Sites in Wyoming Compared with the NAAQA

| Site Name      | ID          | County     | 3-Year Average 98 <sup>th</sup> Percentile<br>1-Hour NO <sub>2</sub> (ppb) |           |           | NAAQS<br>(ppb) |
|----------------|-------------|------------|--|-----------|-----------|----------------|
|                |             |            | 2014-2016  | 2015-2017 | 2017-2019 |                |
| Big Piney      | 56-035-0700 | Sublette   | 8  | 8         | 8         | 100            |
| Boulder        | 56-035-0099 | Sublette   | 12   | 14        | 21        | 100            |
| Cheyenne NCore | 56-021-0001 | Laramie    | 35   | 32        | 33        | 100            |
| Daniel South   | 56-035-0100 | Sublette   | 3  | 3         | 4         | 100            |
| Juel Spring    | 56-035-0700 | Sublette   | 10   | 9         | 11        | 100            |
| Moxa Arch      | 56-037-0300 | Sweetwater | 20   | 20        | 20        | 100            |
| Murphy Ridge   | 56-041-0101 | Uinta      | 12   | 13        | 14        | 100            |
| Pinedale       | 56-035-0101 | Sublette   | 20   | 24        | 24        | 100            |
| Thunder Basin  | 56-005-0123 | Campbell   | 8  | 8         | 7         | 100            |
| Wamsutter      | 56-037-0020 | Sweetwater | 32   | 32        | 35        | 100            |

Source: REF 1018

NAAQS: National Ambient Air Quality Standards

NO<sub>2</sub>: nitrogen dioxide

ppb: parts per billion

#### *Sulfur Dioxide*

Sulfur dioxide (SO<sub>2</sub>) is currently measured at the Moxa site (Sweetwater County) and the Cheyenne NCore site (Laramie County), which was established in 2010. The corresponding SO<sub>2</sub> design values for the 2014–2016, 2015–2017, and 2017–2019 3-year design value periods are listed in Table 5, below. The SO<sub>2</sub> design values are well below the NAAQS.

Table 3.5: Three-Year Average 99<sup>th</sup> Percentile Daily Maximum 1-Hour SO<sub>2</sub> Values for Monitoring Sites in Wyoming Compared with the NAAQA

| Site Name      | ID          | County     | 3-Year Average 99 <sup>th</sup> Percentile<br>1-Hour SO <sub>2</sub> (ppb) |           |           | NAAQS<br>(ppb) |
|----------------|-------------|------------|--|-----------|-----------|----------------|
|                |             |            | 2014-2016  | 2015-2017 | 2017-2019 |                |
| Moxa Arch      | 56-037-0300 | Sweetwater | 21   | 21        | 12        | 75             |
| Cheyenne NCore | 56-021-0100 | Laramie    | 9  | 9         | 5         | 75             |

Source: REF 1018



NAAQS - National Ambient Air Quality Standards  
 ppb - parts per billion  
 SO<sub>2</sub> - sulfur dioxide

#### *Carbon Monoxide*

Carbon monoxide (CO) is not routinely monitored within the region. CO was measured at the Murphy Ridge site (in Uinta County) during 2008. Based on these measurements, the daily maximum 1-hour CO value was 870 ppb (0.87 parts per million [ppm]) and the daily maximum 8-hour average CO value was 690 ppb (0.69 ppm). These values are well below the NAAQS limits of 35,000 and 9,000 ppb (35 and 9 ppm), respectively. Therefore, CO does not appear to be a pollutant of concern for the region. Note, however, that CO monitoring is limited to one site.

The 2014 National Emission Inventory indicated that CO emissions in the region are primarily from area (mostly oil and gas-related) and on-road mobile sources. CO concentrations are expected to be greatest near human-made CO sources such as oil and gas development areas, population centers, and roadways, but CO is not a primary air quality concern for the region.

#### *Lead*

Lead is not routinely monitored and is not a primary air quality concern for the region.

#### *Particulate Matter*

Particulate matter, PM<sub>10</sub> and PM<sub>2.5</sub>, are pollutants of concern within the region. At the regional scale, it is expected that fugitive dust sources are the dominant contributors to PM<sub>10</sub> and PM<sub>2.5</sub> concentrations. Fugitive dust is likely to occur naturally across the region, especially during high-wind events. Post-burn vegetative conditions associated with wildfires are also sources of fugitive dust. At the local level, concentrations are expected to be highest near towns, unpaved roads that experience high volumes of traffic, areas with depleted vegetative cover, and areas downwind of human-made sources of precursor emissions such as SO<sub>2</sub> and NO<sub>2</sub> that may react to form secondary PM<sub>2.5</sub>.

Recent PM<sub>10</sub> data are available for six monitoring sites within the region. Under the PM<sub>10</sub> NAAQS, the maximum 24-hour average PM<sub>10</sub> concentration cannot exceed 150 micrograms per cubic meter (µg/m<sup>3</sup>) more than once per year on average over 3 years. WDEQ also requires the annual PM<sub>10</sub> concentration to be less than 50 µg/m<sup>3</sup>. Maximum 24-hour PM<sub>10</sub> concentrations for monitoring sites within the area are listed in the Table 6, below:

Table 3.6: Maximum 24-Hour PM<sub>10</sub> Concentrations for Monitoring Sites in Wyoming Compared with the NAAQS

| Site Name      | ID          | County     | Maximum 24-Hour Average<br>PM <sub>10</sub> (µg/m <sup>3</sup> ) |      |      |      | NAAQS<br>(µg/m <sup>3</sup> ) |
|----------------|-------------|------------|--|------|------|------|-------------------------------|
|                |             |            | 2016   | 2017 | 2018 | 2019 |                               |
| Boulder        | 56-035-0099 | Sublette   | 40   | 55   | 80   | 26   | 150                           |
| Cheyenne NCore | 56-021-0100 | Laramie    | 34   | 117  | 59   | 65   | 150                           |
| Daniel South   | 56-035-0100 | Sublette   | 27   | 55   | 82   | 21   | 150                           |
| Gillette       | 56-005-1002 | Campbell   | 40   | 48   | 44   | 33   | 150                           |
| Lander         | 56-013-1003 | Fremont    | 30   | 41   | 50   | 47   | 150                           |
| Moxa Arch      | 56-037-0300 | Sweetwater | 41   | 94   | 81   | 21   | 150                           |
| Murphy Ridge   | 56-041-0101 | Uinta      | 42   | 51   | 64   | 23   | 150                           |
| Rock Springs   | 56-037-0007 | Sweetwater | 41   | 91   | 50   | 36   | 150                           |
| Wamsutter      | 56-037-0020 | Sweetwater | 32   | 61   | 41   | 25   | 150                           |
|                | 56-035-0099 | Sublette   | 40   | 55   | 80   | 26   | 150                           |

Source: REF 1018

NAAQS - National Ambient Air Quality Standards

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

µg/m<sup>3</sup> - micrograms per cubic meter

PM<sub>10</sub> concentrations are often heavily influenced by wildfire activity in the region as well as transport from areas outside of Wyoming. Therefore, while there are no violations of the PM<sub>10</sub> NAAQS, PM<sub>10</sub> is an air quality concern for the region.

Recent PM<sub>2.5</sub> data are available for two monitoring sites within the region. The NAAQS for PM<sub>2.5</sub> include (1) the 24-hour PM<sub>2.5</sub> NAAQS, which requires the 3-year average of the 98<sup>th</sup> percentile 24-hour average PM<sub>2.5</sub> concentration to be less than 35 µg/m<sup>3</sup>; and (2) the annual PM<sub>2.5</sub> NAAQS, which requires the 3-year average of the annual average PM<sub>2.5</sub> concentration to be less than 12 µg/m<sup>3</sup>. The 24-hour PM<sub>2.5</sub> design values are listed in the table, below, as are the annual PM<sub>2.5</sub> design values in the subsequent Table 7.

Table 3.7: 24-Hour PM<sub>2.5</sub> Design Values for Monitoring Sites in WY Compare with the NAAQS

| Site Name      | ID          | County     | 3-Year Average 98 <sup>th</sup> Percentile 24-Hour PM <sub>2.5</sub> (µg/m <sup>3</sup> ) (2017-2019) | NAAQS (µg/m <sup>3</sup> ) |
|----------------|-------------|------------|---|----------------------------|
| Cheyenne NCore | 56-021-0100 | Laramie    | 11  | 35                         |
| Lander         | 56-013-1003 | Fremont    | 25  | 35                         |
| Pinedale       | 56-035-0101 | Sublette   | 18  | 35                         |
| Rock Springs   | 56-037-0007 | Sweetwater | 19  | 35                         |

Source: REF 1018

NAAQS - National Ambient Air Quality Standards

PM<sub>2.5</sub> - particulate matter less than 2.5 microns in diameter

µg/m<sup>3</sup> - micrograms per cubic meter

The 24-hour PM<sub>2.5</sub> design values are below the NAAQS for both sites. The annual PM<sub>2.5</sub> design values are also below the NAAQS for both sites (Table 8).

Table 3.8: Annual PM<sub>2.5</sub> Design Values for Monitoring Sites in Wyoming Compared with the NAAQS

| Site Name      | ID          | County     | 3-Year Average 98 <sup>th</sup> Percentile 24-Hour PM <sub>2.5</sub> (µg/m <sup>3</sup> ) (2017-2019) | NAAQS (µg/m <sup>3</sup> ) |
|----------------|-------------|------------|---|----------------------------|
| Cheyenne NCore | 56-021-0100 | Laramie    | 3.2   | 12                         |
| Lander         | 56-013-1003 | Fremont    | 7.2   | 12                         |
| Pinedale       | 56-035-0101 | Sublette   | 4.6   | 12                         |
| Rock Springs   | 56-037-0007 | Sweetwater | 5.1   | 12                         |

Source: REF 1018

NAAQS - National Ambient Air Quality Standards

PM<sub>2.5</sub> - particulate matter less than 2.5 microns in diameter

µg/m<sup>3</sup> - micrograms per cubic meter

Refer to Sections 4.2 (page 4-5) and 4.22.3 of the ARMPA (beginning on page 4-488 for a discussion of potential impacts to Air Quality, and related values for the HDD, the CFO and the NFO. Refer to Section 4.2.4 (beginning on page 4-7) of the ARMPA FEIS for a discussion of potential impacts to air quality resulting from oil and gas development, including potential greenhouse gas emissions. The air emissions projections within the ARMPA for oil and gas development were calculated using the latest emissions estimates data from the BFO and LFO EISs (BLM 2010).

See Section 4.1.1 of the BFO RMP FEIS (beginning on page 650), Section 4.1.1 of the Bighorn Basin RMP FEIS (beginning on page 4-6), Section 4.1.1 of the LFO FEIS (beginning on pg. 593) for specific air quality impact analysis in these planning areas.

The administrative act of offering any of these parcels and the subsequent issuing of leases would have no direct impacts to air quality. Any potential effects to air quality would occur if the leases are developed. Any proposed development project would be subject to additional analysis of possible air effects before approval, when necessary. Potential impacts of development could include increased airborne particulates associated with the construction of new well pads, pipelines, or roads, exhaust emissions from drilling and completion equipment/activities, compressors, vehicles, and dehydration and separation facilities, as well as releases of GHG and volatile organic compounds during many of these activities. The following sources of emissions are anticipated during oil and gas development should the leases be issued and development proposed and found to be economic:

- combustion engines (e.g., fossil fuel-fired internal combustion engines used to supply electrical or hydraulic power for hydraulic fracturing to drive the pumps and rigs used to drill the well, drill out the

hydraulic stage plugs and run the production tubing in the well; generators to power drill rigs, pumps and other equipment; compressors used to increase the pressure of the oil or gas for transport and use; tailpipe emissions from vehicles transporting equipment to the site),

- venting (e.g., fuel storage tanks, vents, and pressure control equipment),
- mobile emissions (e.g., vehicles bringing equipment, personnel or supplies to the location), and
- fugitive sources (e.g., pneumatic valves, tank leaks, dust).

Pollutants associated with the combustion of fossil fuels anticipated to be released during drilling/completion operations include: CO, NO<sub>x</sub>, SO<sub>x</sub>, PM, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O. Venting may release VOCs/HAPs, H<sub>2</sub>S, and CH<sub>4</sub>. The volume of increased emissions cannot be quantified with a high degree of certainty at this time since it is unknown how many wells or what type (oil, gas or both) may be proposed for development, the types of equipment needed if a well were to be put into production (e.g., compressor, separator, dehydrator), or what technologies may be employed by a given company. The degree of impact will also vary according to the characteristics of the geologic formations from which production occurs.

During the completion phase, the principal pollutants emitted are VOCs, HAPs, particulate matter and NO<sub>2</sub>, VOCs and NO<sub>x</sub> contribute to the formation of ozone. During well completion, injected fracturing fluids, formation fluids and reservoir gas are flowed back to the surface. The flowback of formation fluids and reservoir gas will include additional VOCs and methane, along with hazardous air pollutants such as benzene, ethylbenzene, and n-hexane. Pollution also may be emitted from other processes and equipment during production and transportation of oil and gas from the well to a processing facility. Refer to Appendix 5.1, (Hydraulic Fracturing White Paper) for more information, which is incorporated by reference.

### 3.3 Greenhouse Gas Emissions

The proposed leasing action could lead to emissions of carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O), the three most common greenhouse gases associated with oil and gas development. These GHG emissions would be emitted from leased parcels if developed, and from the consumption of any fluid minerals that may be produced. However, the BLM cannot reasonably determine at the leasing stage whether, when, and in what manner a lease would be explored or developed. The uncertainty that exists at the time the BLM offers a lease for sale includes crucial factors that would affect actual GHG emissions and associated impacts, including but not limited to the future feasibility of developing the lease, well density, geological conditions, development type (vertical, directional, or horizontal), hydrocarbon characteristics, specific equipment used during construction, drilling, production, abandonment operations, production and transportation, and potential regulatory changes over the 10-year primary lease term.

For the purposes of this analysis, the BLM has evaluated the potential effects of the proposed leasing action on climate change by estimating and analyzing potential GHG emissions from projected oil and gas development on the parcels proposed for leasing using estimates based on past oil and gas development and available information from existing development within the State.

Additional discussion of climate change science and predicted impacts as well as the reasonably foreseeable and cumulative GHG emissions associated with BLM's oil and gas leasing actions are included in the *BLM Specialist Report on Annual Greenhouse Gas Emissions and Climate Trends (2020)* (hereinafter referred to as the Annual GHG Report). This report presents the estimated emissions of greenhouse gases attributable to fossil fuels produced on lands and mineral estate managed by the BLM. The Annual GHG Report is incorporated by reference as an integral part of the analysis for this proposed lease sale and is available at <https://www.co.blm.gov/AirResourcesReport/ghg/>.

Climate change is a global process that is affected by the sum total of GHGs in the Earth's atmosphere. The incremental contribution to global GHGs from a single proposed land management action cannot be accurately translated into its potential effect on global climate change or any localized effects in the area specific to the action. Currently, global climate models are unable to forecast local or regional effects on resources. However, there are general projections regarding potential impacts on natural resources and plant and animal species that may be attributed to climate change from GHG emissions over time. GHGs influence the global climate by increasing the amount of solar energy retained by land, water bodies, and the atmosphere. GHGs can have long atmospheric

lifetimes, which allows them to become well mixed and uniformly distributed over the entirety of the Earth's surface no matter their point of origin. Therefore, potential emissions from the proposed action can be compared to state, national and global GHG emission totals to provide context of their significance and potential contribution to climate change impacts.

Table 3.9 shows the total estimated GHG emissions from fossil fuels at the global and national scales over the last five years. Emissions are shown in megatonnes (Mt) per year of carbon dioxide equivalent (CO<sub>2</sub>e). Chapter 3 of the Annual GHG Report contains additional information on greenhouse gases and an explanation of CO<sub>2</sub>e. Table 3.10 shows GHG emissions data from the largest greenhouse gas emitting facilities as reported to the U.S. Environmental Protection Agency (EPA) through its Greenhouse Gas Reporting Program (GHGRP) for those states associated with this potential leasing action. Table 3.10 also shows energy-related CO<sub>2</sub> emissions reported by the U.S. Energy Information Administration (EIA) in its annual State Energy-Related Carbon Dioxide Emissions Tables (EIA, 2021a). State energy-related CO<sub>2</sub> emissions include emissions from fossil fuel use across all sectors (residential, commercial, industrial, transportation, and electricity generation) and are released at the location where the fossil fuels are consumed.

Additional information on current state, national, and global GHG emissions as well as the methodology and parameters for estimating emissions from BLM fossil fuel authorizations and cumulative GHG emissions is included in the Annual GHG Report (see Chapters 4, 5, and 6).

**Table 3.9. Global and U.S. GHG Emissions 2015-2019 (Mt CO<sub>2</sub>/yr)**

| Scale  | 2015   | 2016   | 2017   | 2018   | 2019   |
|--------|--------|--------|--------|--------|--------|
| Global | 52,700 | 52,800 | 53,500 | 55,300 | 59,100 |
| U.S.   | 5,249  | 5,153  | 5,083  | 5,244, | 5,107  |

Source: Annual GHG Report, Ch.6, Table 6-1  
Mt (megatonne) = 1 million tons

**Table 3.10. State GHG Emissions**

| State | EPA – GHGRP<br>Large Emitters<br>(Mt CO <sub>2</sub> /yr) |              |   | EIA<br>Energy-related<br>CO <sub>2</sub> Emissions<br>(Mt/yr) |
|-------|---|--------------|---|---|
|       | Total Reported  | Power Plants | Petroleum and<br>Natural Gas<br>Systems |   |
| WY    | 54.5  | 39.1         | 5.2                                     | 63.6  |

Source: Annual GHG Report, CH. 6, Table 6-3; Energy Information Administration

The continued increase of anthropogenic GHG emissions over the past 60 years has contributed to global climate change impacts. A discussion of past, current, and projected future climate change impacts is described in Chapters 8 and 9 of the Annual GHG Report. These chapters describe currently observed climate impacts globally, nationally, and in each State, and present a range of projected impact scenarios depending on future GHG emission levels. These chapters are incorporated by reference in this analysis.

Under the No Action Alternative, the parcel(s) would not be leased, and no new foreseeable oil and gas development would occur on the subject lease parcels. As a result, no new GHG emissions from the development of these lease parcels would occur and no emissions from development activities on the parcels would contribute to national and global GHG emissions that influence climate change.

EIA studies regarding short-term “supply disruptions” suggest that reducing domestic supply (in the near-term under the current supply / demand scenario) would lead to the import of more oil and natural gas from other countries, including countries with lower environmental and emission control standards than the United States. The EIA 2021 AEO long-term energy outlook for the high U.S. domestic natural gas supply scenario describes a potential 1.2% growth in natural gas-related GHG emissions for the power sector through year 2050 and an almost 3% decline in coal-related emissions over the 30-year period. For the EIA projected low oil and gas supply scenario, power sector related GHG emissions are reduced for both natural gas and coal through the period, though at a smaller relative

percentage for coal, resulting in coal-related emissions still being higher than those associated with natural gas at year 2050. (U.S. Energy Information Administration 2021).

While the leasing action itself does not directly generate GHG emissions, such emissions are a reasonably foreseeable consequences of oil and gas development. There are three general phases of post-lease development that would generate GHG emissions that include 1) well development (well site construction, well drilling, and well completion), 2) production operations (processing, storage, and transport/distribution), and 3) end-use (combustion) of the fuels produced.

The BLM cannot develop a precise emissions inventory at the leasing stage due to uncertainties including the type (oil, gas, or both) scale, and duration of potential development, the types of related equipment (drill rig engine tier rating, horsepower, fuel type), and the mitigation measures that a future lessee may propose in their development plan. In order to estimate reasonably foreseeable on-lease emissions at the leasing stage, the BLM uses estimated well numbers based on State data for past lease development combined with per-well drilling, development, and operating emissions data from representative wells in the area. The amount of oil or gas that may be produced if the offered parcels are developed is unknown. For purposes of estimating production and end-use emissions, reasonably foreseeable wells are assumed to produce oil and gas in similar amounts as existing nearby wells. While the BLM has no authority to direct or regulate the end-use of the products, for this analysis, the BLM assumes all produced oil or gas will be combusted (such as for domestic heating or energy production). The BLM acknowledges that there may be additional sources of GHG emissions along the distribution, storage, and processing chains (commonly referred to as midstream operations) associated with production from the lease parcels. These sources may include emissions of methane (a more potent GHG than CO<sub>2</sub> in the short term) from pipeline and equipment leaks, storage, and maintenance activities. At the leasing stage, these sources of emissions are highly speculative, and the BLM has therefore chosen to assume, for the purposes of this analysis, that all produced oil or gas will be combusted. We note, however, that the potential emissions from these sources have been estimated and are accounted for in the cumulative assessment of GHGs from BLM's fossil fuel leasing program.

The emissions used in this analysis are estimated as described above using the BLM Lease Sale Emissions Tool. Emissions are presented for each of the three phases described above.

- Well development emissions occur over a short period and include heavy equipment and vehicle exhaust, drill rig engine emissions, completion equipment, pipe venting, and emissions from any well treatments such as hydraulic fracturing that may be used.
- Production operations and end-use emissions occur over the entire production life of a well, which is assumed to be 30 years for this analysis based on the productive life of a typical oil/gas field. Production emissions may result from storage tank breathing and flashing, truck loading, pump engines, heaters and dehydrators, pneumatic instruments or controls, flaring, fugitives, and vehicle exhaust.
- End-use emissions occur from the downstream combustion of produced oil or gas. End-use emissions are estimated by multiplying the estimated ultimate recovery (EUR) of produced oil and gas with emissions factors for combustion established by the EPA (Tables C-1 and C-2 to Subpart C of 40 CFR § 98). Additional information on emission factors and EUR factors can be found in the Annual GHG Report (Chapter 4). Tables 3.11 and 3.12 list the estimated direct and indirect GHG emissions in metric tons (tonnes) for Alternative 2 (Proposed Action) over the average 30-year production life of the lease, while Tables 3.13 and 3.14 list the estimated direct and indirect GHG emissions for Alternative 3 (Modified Proposed Action) over the average 30-year production life of the lease.

**Table 3.11. Alternative 2 (Proposed Action) Estimated Life of Lease Emissions (On-Site) from Well Development and Production Operations (Metric tonnes)**

| Activity                     | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|------------------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Well Development</b>      | 804,150         | 458.65          | 6.386            | 819,561                    | 843,731                   |
| <b>Production Operations</b> | 11,795,536      | 167,427.00      | 22.785           | 16,791,081                 | 25,614,484                |

Source: BLM Lease Sale Emissions Tool

**Table 3.12. Alternative 2 (Proposed Action) Estimated Life of Lease Indirect Emissions from End-Use Combustion of Produced Oil and Gas (Metric tonnes)**

|                      | EUR<br>(bbl or mcf) | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|----------------------|---------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Oil</b>           | 37,814,602          | 16,337,188      | 657.52          | 131.504          | 16,392,682                 | 16,427,334                |
| <b>Gas</b>           | 695,854,748         | 37,882,026      | 713.95          | 71.395           | 37,922,793                 | 37,960,418                |
| <b>Total End-Use</b> | -                   | 54,219,214      | 1,371.47        | 202.899          | 54,315,475                 | 54,387,751                |

Source: BLM Lease Sale Emissions Tool

**Table 3.13. Alternative 3 (Modified Proposed Action) Estimated Life of Lease Emissions (On-Site) from Well Development and Production Operations (Metric tonnes)**

| Activity                     | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|------------------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Well Development</b>      | 342,868         | 195.55          | 2.723            | 349,439                    | 359,745                   |
| <b>Production Operations</b> | 5,029,306       | 71,386.46       | 9.715            | 7,159,274                  | 10,921,340                |

Source: BLM Lease Sale Emissions Tool

**Table 3.14. Alternative 3 (Modified Proposed Action) Estimated Life of Lease Indirect Emissions from End-Use Combustion of Produced Oil and Gas (Metric tonnes)**

|                      | EUR<br>(bbl or mcf) | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|----------------------|---------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Oil</b>           | 16,123,149          | 6,965,746       | 280.35          | 56.070           | 6,989,407                  | 7,004,182                 |
| <b>Gas</b>           | 296,694,112         | 16,151,897      | 304.41          | 30.441           | 16,169,279                 | 16,185,321                |
| <b>Total End-Use</b> | -                   | 23,117,643      | 584.76          | 86.511           | 23,158,686                 | 23,189,503                |

Source: BLM Lease Sale Emissions Tool

GHG emissions vary annually over the production life of a well due to declining production over time. Table 3.15 provides maximum year and average year emissions over the life of the lease for Alternative 2, while Table 3.16 provides the same information for Alternative 3.

**Table 3.15. Alternative 2 (Proposed Action) Estimated Direct and Indirect Emissions from Lease Parcels on an Annual and Life of Lease Basis (Metric tonnes)**

|                      | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|----------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Max Year</b>      | 4,506,800       | 5,733.20        | 17.764           | 4,682,499                  | 4,984,639                 |
| <b>Average Year</b>  | 1,713,305       | 4,339.93        | 5.950            | 1,844,259                  | 2,072,974                 |
| <b>Life of Lease</b> | 66,818,900      | 169,257.11      | 232.069          | 71,926,117                 | 80,845,967                |

Source: BLM Lease Sale Emissions Tool

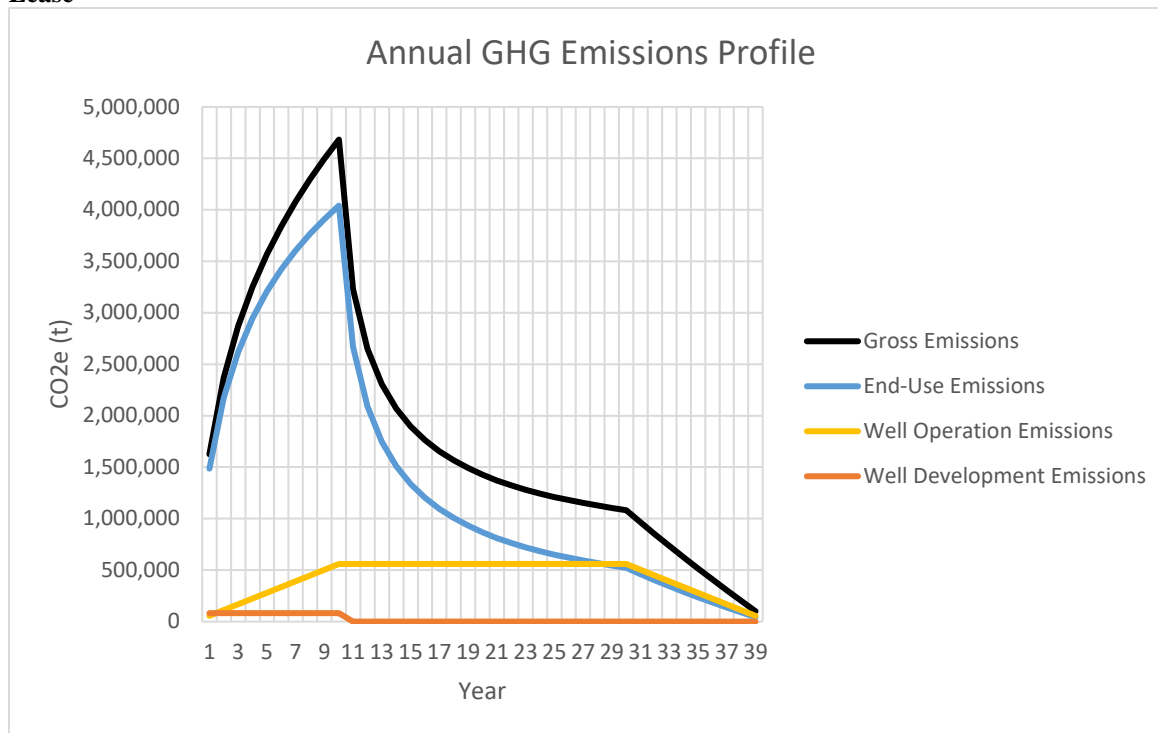
**Table 3.16. Alternative 3 (Modified Proposed Action) Estimated Direct and Indirect Emissions from Lease Parcels on an Annual and Life of Lease Basis (Metric tonnes)**

|                      | CO <sub>2</sub> | CH <sub>4</sub> | N <sub>2</sub> O | CO <sub>2</sub> e (100-yr) | CO <sub>2</sub> e (20-yr) |
|----------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| <b>Max Year</b>      | 1,921,581       | 2,444.49        | 7.574            | 1,996,494                  | 2,125,319                 |
| <b>Average Year</b>  | 730,508         | 1,850.43        | 2.537            | 786,344                    | 883,861                   |
| <b>Life of Lease</b> | 28,489,817      | 72,166.77       | 98.948           | 30,667,399                 | 23,189,503                |

Source: BLM Lease Sale Emissions Tool

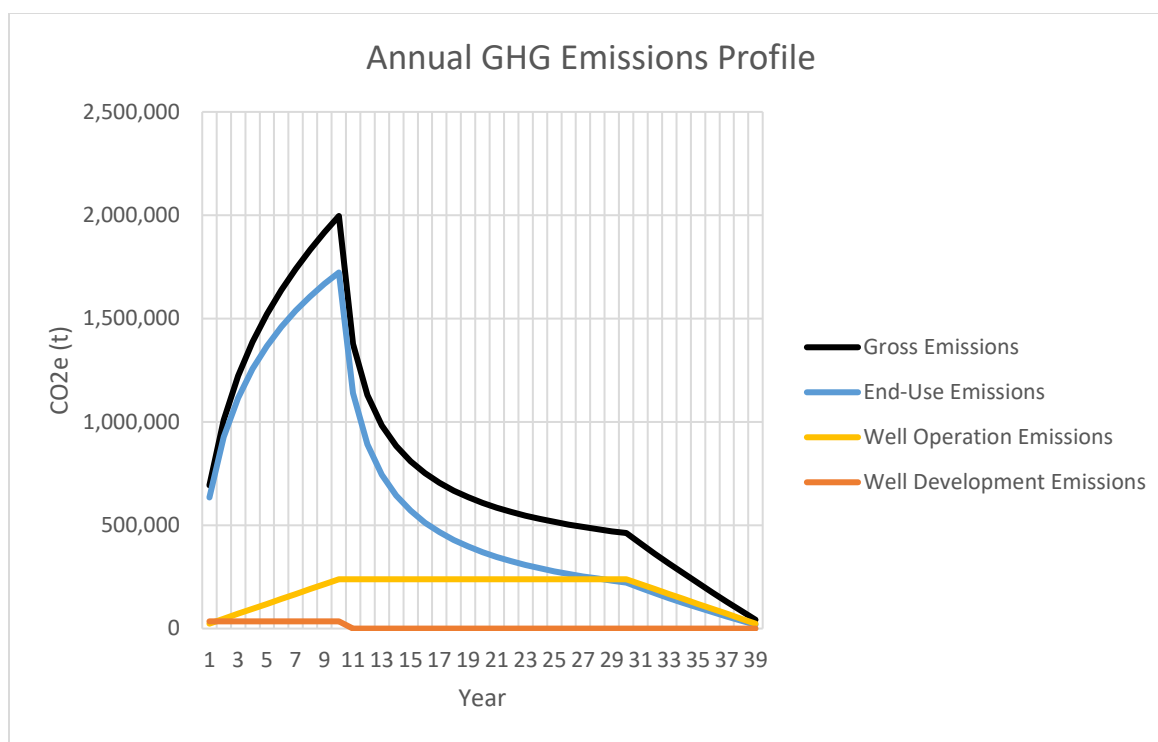
Figure 3-1 shows the estimated annual GHG emissions profile for Alternative 2 over the production life of a typical lease including well development, well operation, end-use, and gross (total of well development, well production, and end-use) emissions. Figure 3-2 shows the estimated annual GHG emission profile for Alternative 3 over the production life of a typical lease.

**Figure 3-1. Alternative 2 (Proposed Action) Estimated Annual GHG Emissions Profile Over the Life of a Lease**



Source: BLM Lease Sale Emissions Tool

**Figure 3-2. Alternative 3 (Modified Proposed Action) Estimated Annual GHG Emissions Profile Over the Life of a Lease**



Source: BLM Lease Sale Emissions Tool

In order to put the estimated GHG emissions for this lease sale in context, potential emissions that could result from development of the lease parcels for this sale can be put into relatable terms by comparing to other common activities that generate GHG emissions as well as to emissions at state and national scales. The EPA GHG equivalency calculator can be used (<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>) to express the potential average year GHG emissions on a scale relatable to everyday life. For instance, the projected average annual GHG emissions from expected development following the proposed lease sale are equivalent to 400,926 gasoline-fueled passenger vehicles driven for one year, or the emissions that could be avoided by operating 384 wind turbines as an alternative energy source or offset by the carbon sequestration of 2,249,097 acres of forest land.

Tables 3.17 and 3.18 compare the estimated maximum and average annual lease-sale emissions to existing State GHG emissions, federal BLM fossil fuel (oil, gas, and coal) emissions, and U.S. fossil fuel and total GHG emissions reported in the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2019 for Alternative 2 and Alternative 3, respectively.

**Table 3.17. Comparison of Lease Sale Annual Emissions to Other Sources (megatonnes)**

| Reference   | Mt CO <sub>2</sub> e <sup>1</sup><br>(Per Year) | Average Year %<br>of Reference | Max Year % of<br>Reference |
|---|---|--------------------------------|----------------------------|
| <b>Max Year</b>                                   | 4.682   | -                              | -                          |
| <b>Average Year</b>                               | 1.844   | -                              | -                          |
| <b>WY Federal (O&amp;G)<sup>2</sup></b>           | 119.4   | 1.545%                         | 3.923%                     |
| <b>WY Federal (O&amp;G and Coal)<sup>2</sup></b>  | 513.1   | 0.359%                         | 0.913%                     |
| <b>U.S. Federal (O&amp;G)<sup>2</sup></b>         | 427.7   | 0.431%                         | 1.095%                     |
| <b>U.S. Federal O&amp;G and Coal)<sup>2</sup></b> | 918.6   | 0.201%                         | 0.510%                     |
| <b>U.S. Total (all sectors)<sup>3</sup></b>       | 6,576.1   | 0.028%                         | 0.071%                     |

1 – Estimates are based on 100-GWP values provided by AR-5

2 – Federal values come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Table ES-1

3 – U.S. Total Values comes from the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2019; <https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/gas/current>



**Table 3.18. Alternative 3 (Modified Proposed Action) Comparison of Lease Sale Annual Emissions to Other Sources (megatonnes)**

| Reference                               | Mt CO <sub>2</sub> e <sup>1</sup><br>(Per Year) | Average Year %<br>of Reference | Max Year % of<br>Reference |
|---|---|--------------------------------|----------------------------|
| Max Year                                | 1.996   | -                              | -                          |
| Average Year                            | 0.786   | -                              | -                          |
| WY Federal (O&G) <sup>2</sup>           | 119.4   | 0.659%                         | 1.673%                     |
| WY Federal (O&G and Coal) <sup>2</sup>  | 513.1   | 0.153%                         | 0.389%                     |
| U.S. Federal (O&G) <sup>2</sup>         | 427.7   | 0.184%                         | 0.467%                     |
| U.S. Federal O&G and Coal) <sup>2</sup> | 918.6   | 0.086%                         | 0.217%                     |
| U.S. Total (all sectors) <sup>3</sup>   | 6,576.1   | 0.012%                         | 0.030%                     |

1 – Estimates are based on 100-GWP values provided by AR-5

2 – Federal values come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Table ES-1

3 – U.S. Total Values comes from the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2019; <https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/gas/current>

Tables 3.19 and 3.20 compare emission estimates over the 30-year life of the lease compared to the 30-year projected Federal emissions in the state and nation from existing wells, the development of approved APDs, and emissions related to reasonably foreseeable lease actions.

**Table 3.19. Alternative 2 (Proposed Action) Comparison of the Life of Lease Emissions to Other Federal Oil and Gas Emissions from Existing Wells, Development of Approved APDs, and Other Leasing Actions in the State and Nation**

| Reference                                       | MT CO <sub>2</sub> e (100-yr) | Life of Lease % of<br>Reference |
|---|-------------------------------|---------------------------------|
| Life of Lease                                   | 71.926                        | 100.000%                        |
| Reasonably Foreseeable Short-term Federal (O&G) | 1,187.680                     | 6.056%                          |
| EIA Projected Long-term Federal (O&G)           | 4,574.756                     | 1.572%                          |
| U.S. Short-term Federal (O&G)                   | 4,307.510                     | 1.670%                          |
| U.S. Long-term Federal (O&G)                    | 13,958.908                    | 0.515%                          |

Source: U.S. and Federal emissions from BLM Lease Sale Emissions Tool and Annual GHG Report Tables 5-17 and 5-18

**Table 3.20. Comparison of the Life of Lease Emissions to Other Federal Oil and Gas Emissions from Existing Wells, Development of Approved APDs, and Other Leasing Actions in the State and Nation**

| Reference                                       | MT CO <sub>2</sub> e (100-yr) | Life of Lease % of<br>Reference |
|---|-------------------------------|---------------------------------|
| Life of Lease                                   | 30.667                        | 100.000%                        |
| Reasonably Foreseeable Short-term Federal (O&G) | 1,187.680                     | 2.582%                          |
| EIA Projected Long-term Federal (O&G)           | 4,574.756                     | 0.670%                          |
| U.S. Short-term Federal (O&G)                   | 4,307.510                     | 0.712%                          |
| U.S. Long-term Federal (O&G)                    | 13,958.908                    | 0.220%                          |

Source: U.S. and Federal emissions from BLM Lease Sale Emissions Tool and Annual GHG Report Tables 5-17 and 5-18

Compared to emissions from other existing and foreseeable Federal oil and gas development, the life of lease emissions for Alternative 2 (Proposed Action) is between 0.359% to 0.913% of Federal fossil fuel authorization emissions in the state and between 0.201% to 0.510% of Federal fossil fuel authorization emission in the nation. Whereas under Alternative 3 (Modified Proposed Action) the life of lease emissions is between 0.153% to 0.389% of Federal fossil fuel authorization emissions in the state and between 0.086% to 0.217% of Federal fossil fuel authorization emission in the nation.

In summary, potential GHG emissions from the Alternative 2 (Proposed Action) could result in GHG emissions of 71.926 MT CO<sub>2</sub>e over the life of the lease, while potential GHG emissions from Alternative 3 (Modified Proposed Action) could result in 30.667 MT CO<sub>2</sub>e over the life of the lease.

### 3.3.1 Monetized Impacts from GHG Emissions

The “social cost of carbon”, “social cost of nitrous oxide”, and “social cost of methane” – together, the “social cost of greenhouse gases” (SC-GHG) are estimates of the monetized damages associated with incremental increases in GHG emissions in a given year.

On January 20, 2021, President Biden issued E.O. 13990, *Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis*.<sup>1</sup> Section 1 of E.O. 13990 establishes an Administration policy to, among other things, listen to the science; improve public health and protect our environment; ensure access to clean air and water; reduce greenhouse gas emissions; and bolster resilience to the impacts of climate change.<sup>2</sup> Section 2 of the E.O. calls for Federal agencies to review existing regulations and policies issued between January 20, 2017, and January 20, 2021, for consistency with the policy articulated in the E.O. and to take appropriate action.

Consistent with E.O. 13990, the Council on Environmental Quality (CEQ) rescinded its 2019 “Draft National Environmental Policy Act Guidance on Considering Greenhouse Gas Emissions” and has begun to review for update its “Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews” issued on August 5, 2016 (2016 GHG Guidance).<sup>3</sup> While CEQ works on updated guidance, it has instructed agencies to consider and use all tools and resources available to them in assessing GHG emissions and climate change effects including the 2016 GHG Guidance.<sup>4</sup>

Regarding the use of Social Cost of Carbon or other monetized costs and benefits of GHGs, the 2016 GHG Guidance noted that NEPA does not require monetizing costs and benefits.<sup>5</sup> It also noted that “the weighing of the merits and drawbacks of the various alternatives need not be displayed using a monetary cost-benefit analysis and should not be when there are important qualitative considerations.”<sup>6</sup>

Section 5 of E.O. 13990 emphasized how important it is for federal agencies to “capture the full costs of greenhouse gas emissions as accurately as possible, including by taking global damages into account” and established an Interagency Working Group on the Social Cost of Greenhouse Gases (the “IWG”).<sup>7</sup> In February of 2021, the IWG published *Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide: Interim Estimates under Executive Order 13990* (IWG, 2021).<sup>8</sup> This is an interim report that updated previous guidance from 2016. The final report is expected in January 2022.

In accordance with this direction, this subsection provides estimates of the monetary value of changes in GHG emissions that could result from selecting each alternative. Such analysis should not be construed to mean a cost determination is necessary to address potential impacts of GHGs associated with specific alternatives. These numbers were monetized; however, they do not constitute a complete cost-benefit analysis, nor do the SC-GHG numbers present a direct comparison with other impacts analyzed in this document. For instance, the BLM’s overall economic analysis for this lease sale does not monetize most of the major costs or benefits and does not include all revenue streams from the proposed action but seeks to quantify certain impacts related to employment numbers and

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<sup>1</sup> 86 FR 7037 (Jan. 25, 2021).

<sup>2</sup> *Id.*, sec. 1.

<sup>3</sup> 86 FR 10252 (February 19, 2021).

<sup>4</sup> *Id.*

<sup>5</sup> 2016 GHG Guidance, p. 32, available at: [https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa\\_final\\_ghg\\_guidance.pdf](https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa_final_ghg_guidance.pdf)

<sup>6</sup> *Id.*

<sup>7</sup> E.O. 13990, Sec. 5.

<sup>8</sup> [https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument\\_SocialCostofCarbonMethaneNitrousOxide.pdf](https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf)

labor income. SC-GHG is provided only as a useful measure of the benefits of GHG emissions reductions to inform agency decision-making.

For Federal agencies, the best currently available estimates of the SC-GHG are the interim estimates of the social cost of carbon dioxide (SC-CO<sub>2</sub>), methane (SC-CH<sub>4</sub>), and nitrous oxide (SC-N<sub>2</sub>O) developed by the Interagency Working Group (IWG) on the SC-GHG. Select estimates are published in the Technical Support Document (IWG 2021)<sup>9</sup> and the complete set of annual estimates are available on the Office of Management and Budget's website<sup>10</sup>.

The IWG's SC-GHG estimates are based on complex models describing how GHG emissions affect global temperatures, sea level rise, and other biophysical processes; how these changes affect society through, for example, agricultural, health, or other effects; and monetary estimates of the market and nonmarket values of these effects. One key parameter in the models is the discount rate, which is used to estimate the present value of the stream of future damages associated with emissions in a particular year. A higher discount rate assumes that future benefits or costs are more heavily discounted than benefits or costs occurring in the present (i.e., future benefits or costs are a less significant factor in present-day decisions). The current set of interim estimates of SC-GHG have been developed using three different annual discount rates: 2.5%, 3%, and 5% (IWG 2021).

As expected with such a complex model, there are multiple sources of uncertainty inherent in the SC-GHG estimates. Some sources of uncertainty relate to physical effects of GHG emissions, human behavior, future population growth and economic changes, and potential adaptation (IWG 2021). To better understand and communicate the quantifiable uncertainty, the IWG method generates several thousand estimates of the social cost for a specific gas, emitted in a specific year, with a specific discount rate. These estimates create a frequency distribution based on different values for key uncertain climate model parameters. The shape and characteristics of that frequency distribution demonstrate the magnitude of uncertainty relative to the average or expected outcome.

To further address uncertainty, the IWG recommends reporting four SC-GHG estimates in any analysis. Three of the SC-GHG estimates reflect the average damages from the multiple simulations at each of the three discount rates. The fourth value represents higher-than-expected economic impacts from climate change. Specifically, it represents the 95<sup>th</sup> percentile of damages estimated, applying a 3% annual discount rate for future economic effects. This is a low probability, but high damage scenario, represents an upper bound of damages within the 3% discount rate model. The estimates below follow the IWG recommendations.

The SC-GHGs associated with estimated emissions from future potential development of the lease parcels are reported in Table 3.21 (Alternative 2) and Table 3.22 (Alternative 3). These estimates represent the present value (from the perspective of 2021) of future market and nonmarket costs associated with CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from potential well development and operations, and potential end-use, as described in Subsection 3.3.2. Estimates are calculated based on IWG estimates of social cost per metric ton of emissions for a given emissions year and BLM's estimates of emissions in each year. They are rounded to the nearest \$1,000. The estimates assume development will start in 2023 and end-use emissions complete in 2061, based on experience with previous lease sales.

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<sup>9</sup> IWG 2021. *Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide, Interim Estimates under Executive Order 13990*. Interagency Working Group on Social Cost of Greenhouse Gasses, February 2021.

<sup>10</sup> <https://www.whitehouse.gov/omb/information-regulatory-affairs/regulatory-matters/#scghgs>

**Table 3.21. Alternative 2 (Proposed Action) SC-GHG Associated with Future Potential Development**

|                                   | Social Cost of GHG (2020\$)        |                                    |                                      |   |
|-----------------------------------|------------------------------------|------------------------------------|--------------------------------------|---|
|                                   | Average Value,<br>5% discount rate | Average Value,<br>3% discount rate | Average Value,<br>2.5% discount rate | 95 <sup>th</sup> Percentile<br>Value, 3%<br>discount rate |
| <b>Development and Operations</b> | \$ 206,134,000                     | \$ 751,671,000                     | \$ 1,124,671,000                     | \$ 2,203,904,000  |
| <b>End-Use</b>                    | \$ 632,572,000                     | \$ 2,457,965,000                   | \$ 3,744,259,000                     | \$ 7,450,189,000  |
| <b>Total</b>                      | \$ 838,706,000                     | \$ 3,209,636,000                   | \$ 4,868,930,000                     | \$ 9,654,093,000  |

**Table 3.22. Alternative 3 (Modified Proposed Action) SC-GHG Associated with Future Potential Development**

|                                   | Social Cost of GHG (2020\$)        |                                    |                                      |   |
|-----------------------------------|------------------------------------|------------------------------------|--------------------------------------|---|
|                                   | Average Value,<br>5% discount rate | Average Value,<br>3% discount rate | Average Value,<br>2.5% discount rate | 95 <sup>th</sup> Percentile<br>Value, 3%<br>discount rate |
| <b>Development and Operations</b> | \$ 87,890,000                      | \$ 320,493,000                     | \$ 479,530,000                       | \$ 939,687,000  |
| <b>End-Use</b>                    | \$ 269,712,000                     | \$ 1,048,012,000                   | \$ 1,596,453,000                     | \$ 3,176,564,000  |
| <b>Total</b>                      | \$ 357,602,000                     | \$ 1,368,505,000                   | \$ 2,075,983,000                     | \$ 4,116,251,000  |

### 3.3.2 Estimated GHG Emissions for Reasonably Foreseeable Environmental Trends and Planned Actions

The analysis of GHGs contained in this EA includes estimated emissions from those parcels being offered in this lease sale as described above. In addition to this lease sale, the BLM is offering parcels in six other BLM administrative units within the first quarter of 2022. The estimated GHG emissions from parcels being offered in each of those individual sales is contained in the associated EA for each sale. When analyzing the potential impacts from multiple lease sales, it is important to note that it is the actual production of fossil fuel commodities on leased parcels that generates GHG emissions and not the offering of acres or parcels for lease in a particular grouping of lease sales. Parcels offered in a lease sale may or may not be sold, and sold parcels may or may not go into production for several years, if at all. Typically, lease sales in different BLM administrative units are not offered on the same date and each administrative unit has discretion to defer its sale or defer or add parcels as a result of scoping and protests. The dynamic nature of the lease sale process and independence of each administrative unit for constructing its lease sales, precludes an analysis of potential GHG emissions that could occur from other lease sales that might occur in the same quarter. In addition, combining all of the offered parcels from multiple lease sales that may occur over a 3-month period, assuming all acres will be sold and produce immediately, and estimating GHG emissions from development on the offered acreage based on these assumptions would result in an inflated, unrealistic, quantity of estimated emissions that would not be useful to the decision maker and would not accurately inform the public of the magnitude of probable cumulative emissions and impacts.

An assessment of GHG emissions from BLM's fossil fuel authorizations including coal leasing and oil and gas development is included in the BLM Specialist Report on Annual GHG Emissions (referred to as Annual Report, see Chapter 5). The Annual Report includes estimates of reasonably foreseeable GHG emissions related to BLM lease sales anticipated during the calendar year, as well as the best estimate of emissions from ongoing production, and development of parcels sold in previous lease sales. It is, therefore, an estimate of cumulative GHG emissions from the BLM fossil fuel leasing program based on actual production and statistical trends.

The Annual Report provides an estimate of short-term and long-term GHG emissions from lease sale activity across the BLM. The short-term methodology presented in the Annual Report includes a trends analysis of (1) leased federal lands that are held-by-production, (2) approved applications for permit to drill (APDs), and (3) leased lands from competitive lease sales occurring over the next annual reporting cycle (12 months), to provide a 30-year projection of potential emissions from Federal lease actions over the next 12 months. The long-term methodology uses oil and gas production forecasts from the Energy Information Administration (EIA) to estimate GHG emissions out to 2050 that could occur from past, present, and future oil and gas development. These

analyses are the basis for projecting GHG emissions from lease parcels that are likely to go into production during the analysis period of the Annual Report and represent both a hard look at GHG emissions from fossil fuel leasing and the best available estimate of reasonably foreseeable cumulative emissions related to any one lease sale or set of quarterly lease sales. Table 3.23 shows the cumulative estimated GHG emissions from the development of the projected lease sale acres in 2021 using the methodology described above. The 5-year lease averages include all types of oil and gas development related leases, including leases granted under the Mineral Leasing Act as well as other authorities, that have been issued over the last five years. As such the projections made from the 5-year averages represent the potential for all types of future potential oil and gas leasing activity. However, they may also over-estimate the potential emissions from the 12-month cycle of competitive oil and gas leasing activities if the projected lease sale activity does not actually occur.

**Table 3.23. Reasonably Foreseeable Projected Emissions**

| State<br>(BLM Administrative Unit) | Annual Report<br>Table 4-8<br>Projected Lease Acres 2021 | Annual Report<br>Figure 5-1<br>GHG Emissions from<br>Projected Lease Acres 2021<br>(Mt CO <sub>2</sub> e per year) |
|------------------------------------|--|--|
| Alabama (ES)                       | 1  | 0.00   |
| Alaska                             | 356,021  | 9.33   |
| Arkansas (ES)                      | 536  | 0.04   |
| California                         | 184  | 0.02   |
| Colorado                           | 67,268   | 10.21  |
| Idaho                              | 1,881  | 0.03   |
| Kansas (ES)                        | 287  | 0.02   |
| Kentucky (ES)                      | 37   | 0.01   |
| Louisiana (ES)                     | 9,334  | 2.59   |
| Michigan (ES)                      | 5,006  | 0.17   |
| Mississippi (ES)                   | 2,609  | 0.06   |
| Montana                            | 60,807   | 2.48   |
| Nebraska (WY)                      | 19   | 0.01   |
| Nevada                             | 155,583  | 0.29   |
| New Mexico                         | 38,926   | 22.90  |
| North Dakota (MT)                  | 2,477  | 0.07   |
| Ohio (ES)                          | 681  | 0.18   |
| Oklahoma (NM)                      | 2,052  | 0.05   |
| South Dakota (MT)                  | 1,543  | 0.02   |
| Texas (NM)                         | 1,602  | 0.09   |
| Utah                               | 141,832  | 9.13   |
| West Virginia (ES)                 | 42   | 0.01   |
| Wyoming                            | 562,985  | 88.87  |
| <b>Total</b>                       | <b>1,411,713</b>   | <b>146.56</b>  |

### 3.3.3 Mitigation Strategies

GHG emissions contribute to changes in atmospheric radiative forcing resulting in climate change impacts. GHGs act to contain solar energy loss by trapping longer wave radiation emitted from the Earth's surface and act as a positive radiative forcing component. The buildup of these gases has contributed to the current changing state of the climate equilibrium towards warming. Chapters 8 and 9 of the Annual Report provides a detailed discussion of climate change science, trends, and impacts. The relationship between

GHG emissions and climate impacts is complex, but a project's potential to contribute to climate change is reduced as its net emissions are reduced. When net emissions approach zero, the project has little or no contribution to climate change. Net-zero emissions can be achieved through a combination of controlling and offsetting emissions. Emission controls (e.g., vapor recovery devices, no-bleed pneumatics, leak detection and repair, etc.) can substantially limit the amount of GHGs emitted to the atmosphere, while offsets (e.g., sequestration, low carbon energy substitution, plugging abandoned or uneconomical wells, etc.) can remove GHGs from the atmosphere or reduce emissions in other areas. Chapter 10 of the Annual Report provides a more detailed discussion of GHG mitigation strategies.

The Federal government has issued regulations that will reduce GHG emissions from any development related to the proposed leasing action. These regulations include the New Source Performance Standard for Crude Oil and Natural Gas Facilities (49 CFR 60, subpart OOOOa) which imposes emission limits, equipment design standards and monitoring requirements on oil and gas facilities.

The BLM's regulatory authority is limited to those activities authorized under the terms of the lease, which primarily occur in the "upstream" portions of natural gas and petroleum systems. This decision authority is applicable when development is proposed on public lands and BLM assesses its specific location, design and proposed operation. In carrying out its responsibilities under NEPA, the BLM has developed Best Management Practices (BMPs) designed to reduce emissions from field production and operations. BMPs may include limiting emissions on stationary combustion sources, mobile combustion sources, fugitive sources, and process emissions occurring on a lease parcel. Analysis and approval of future development may include application of BMPs within BLM's authority, as Conditions of Approval, to reduce or mitigate GHG emissions. Additional measures developed at the project development stage also may be incorporated as applicant-committed measures by the project proponent or added to necessary air quality permits. Additional information on mitigation strategies, including emissions controls and offset options, are provided in the Annual GHG Report.

### **3.4 Water Resources**

Surface water hydrology within the area is typically influenced by geology, soil characteristics, precipitation, and vegetation. Anthropogenic factors that currently affect surface water resources include livestock grazing management, private, commercial, and industrial development, recreational use, drought, and vegetation control treatments. Based on best available data, the vast majority of the nominated parcels are within the following HUC8 watersheds: Badwater, Big Sandy, Blacks Fork, Greybull, Little Powder, Lower Wind, Upper Bighorn, Upper Green, Upper Green-Flaming Gorge, and Upper Tongue. The remaining parcels are in the Crazy Woman, Lance, Lightning, Upper North Platte, and Upper Powder HUC8 units.

Groundwater hydrology within the area is influenced by geology and recharge rates. Groundwater quality and quantity can be influenced by precipitation, water supply wells and various disposal activities. Groundwater quality across the applicable field offices varies with depth from potable waters with low total dissolved solids (TDS) to highly saline, non-potable sources. Most of the groundwater in Wyoming is used for industrial, domestic and livestock/irrigation purposes. The information contained in Appendix 4.4, Hydraulic Fracturing White Paper (see section entitled *Operational Issues/Water Availability and Consumption Estimates*) is incorporated by reference.

Several parcels contain land with private surface overlying federal minerals (i.e., split-estate). The private surface lands have or have the potential to contain private residences and associated facilities such as domestic or stock water supply wells. Lands used as rangeland can also have stock water supply wells.

The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to water resources. Subsequent development of a lease may lead to surface disturbance from the construction of well pads, access roads, pipelines, and powerlines, which can result in degradation of surface water quality and groundwater quality from point source pollution, nonpoint source pollution, increased surface water runoff and increased erosion. Alteration of natural drainage paths and channel morphology can also occur from surface disturbance associated with the installation of oil and gas wells. Removal of vegetation can also cause water erosion, leading to a loss of channel stability as well as an increase in sedimentation within drainages.

All parcels are subject to Standard Lease Notice No. 1 which requires at a minimum 500' offset from perennial surface waters and with site-specific analysis could require a greater offset requirement if site-specific impact analysis finds that it is warranted. Several parcels also contain specific stipulations for water resources (see Appendix 4.1).

Spills of materials used to drill/complete the wells and or produced formation fluids could result in contamination of the soil, and may potentially impact surface and groundwater resources in the long term if not detected and addressed.

Several techniques may be used in exploration and development operations to increase or enhance the flow of oil and gas. They include hydraulic fracturing and acid introduction to dissolve the formation matrix and create larger void space(s).

Without a discrete development proposal, the use of hydraulic fracturing in the oil and gas development process cannot be predicted. However, this EA incorporates by reference, in its entirety, the Hydraulic Fracturing White Paper included in Appendix 5.8. This document provides a general discussion of the hydraulic fracturing process and issues associated with its use.

The potential for negative impacts to groundwater caused from completion activities such as hydraulic fracturing, have not been confirmed but based on its history of use are not likely. A recent study completed on the Pinedale Anticline did not find a direct link to known detections of petroleum hydrocarbons to the hydraulic fracturing process. Groundwater contamination investigations have also been conducted at the Pavillion gas field and according to a November 7, 2016 fact sheet from the Wyoming Department of Environmental Quality, it is unlikely that the hydraulic fracturing activities have caused impacts to water supply wells ([http://deq.wyoming.gov/media/attachments/Water%20Quality/Pavillion%20Investigation/Investigation%20Final%20Report/03\\_Fact-Sheet-for-the-Pavillion-Wyoming-Area-Domestic-Water-Wells-Final-%20Report.pdf](http://deq.wyoming.gov/media/attachments/Water%20Quality/Pavillion%20Investigation/Investigation%20Final%20Report/03_Fact-Sheet-for-the-Pavillion-Wyoming-Area-Domestic-Water-Wells-Final-%20Report.pdf)).

Authorization of the proposed projects would require full compliance with local, state, and federal directives and stipulations that relate to surface and groundwater protection and the BLM would deny any APD who proposed drilling and/or completion process was deemed to not be protective of usable water zones as required by 43 CFR 3162.5-2(d).

Groundwater could be affected by multiple factors, including industrial, domestic, or agricultural activities through withdrawal, injection (including chemical injection), or mixing of materials from different geologic layers or the surface. Withdrawal of groundwater could affect local groundwater flow patterns and create changes in the quality or quantity of the remaining groundwater. Based on an evaluation of statewide groundwater availability, and the total projected number of wells to be drilled/completed on BLM administered lands, adequate water supplies are available and would not result in significant impacts on a regional basis even during drought conditions. Loss of a permitted source of groundwater supply due to drawdown would be considered a significant impact if it were to occur. This potential would be assessed at the development stage should a parcel be offered and a lease issued and subsequent development proposed. The drilling of horizontal wells, versus directional and vertical wells may initially appear to require a greater volume of water for drilling/completion purposes. However, a horizontal well develops a much larger area of the reservoir than a directional and/or vertical well and results in a lesser volume of fluids being required.<sup>11</sup>

Information contained in Appendix 4.3, Hydraulic Fracturing White Paper, Section III, Potential Impacts to Usable Water zones (Appendix pages 210-213), is incorporated by reference. The information being incorporated by reference is generally summarized below. Impacts to the quality of groundwater, should they occur, would likely be limited to a near well bore location due to inferred groundwater flow conditions in the area of the parcels and based on studies completed in the Pinedale Anticline. Impacts to near well groundwater could occur from poor casing and/or cementing practices and the use of potentially hazardous materials within those formations containing freshwater and/or usable water zones. The materials proposed for use in the drilling program within freshwater and/or usable water zones are typically water based and would be protective of usable zones, both water quality and

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<sup>11</sup> Vertical and directional wells can easily require one well per 10 acres resulting in 64 wells per section. This is in contrast to one horizontal well per 640 acres or one per 320 acres which results in a net decrease in total fluid volumes needed and in surface disturbance acreages.

formation integrity. If an operator proposed to use oil-based mud in their drilling program, their use is limited to the production formation and formations containing waters deemed to not be usable.

Exploration, development, and production of traditional oil and gas resources typically do not significantly deplete ground water on a regional basis but may have a limited, short-duration, near-well bore drawdown around the water supply well depending upon length and intensity of pumping activity. Oil and gas resources are often developed from geological reservoirs that do not contain significant amounts of freshwater with the exception of some CBM developed formations; however, the development and production of oil and gas can affect adjacent or nearby aquifers. Potential impacts result from the creation of artificial pathways between oil and gas reservoirs and adjacent aquifers. Modification of ground water flow paths may cause fresh ground water to contact oil or gas. In addition, improper disposal of waste waters (brine, storm runoff), drilling/completion fluids, and other wastes can impact the quality of underlying ground water (U.S EPA 1987).

A high risk of fluid migration exists along the vertical pathways created by inadequately constructed wells and unplugged inactive wells. Brine or hydrocarbons can migrate to overlying or underlying aquifers in such wells. Since the 1930s, most States have required that multiple barriers be included in well construction and abandonment to prevent migration of injected water, formation fluids, and produced fluids. These barriers include (1) setting surface casing below all known aquifers and cementing the casing to the surface, and (2) extending the casing from the surface to the production or injection interval and cementing the interval. Barriers that can be used to prevent fluid migration in abandoned wells include cement or mechanical plugs. They should be installed (1) at points where the casing has been cut, (2) at the base of the lowermost aquifer, (3) across the surface casing shoe, and (4) at the surface. Individual states, including Wyoming, and the BLM have casing programs for oil and gas wells to limit cross contamination of aquifers. Any proposed drilling/completion activities would have to comply with Onshore Order #2, 43 CFR § 3160 regulations, and not result in a violation of a Federal and/or State law. If these conditions were not met, the proposal would be denied. As such, no significant impacts to groundwater from the proposed action are expected.

The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to watersheds. Subsequent development of a lease may result in long- and short-term alterations to the hydrologic regime depending upon the intensity and context of a specific proposal. Flows of perennial streams, ephemeral, intermittent rivers and streams and their associate could be directly affected in the short term by an increase in impervious surfaces resulting from the construction of the well pad and road. An increase in impervious surfaces provides for reduced infiltration which can then cause overland to move more quickly causing peak flow to potentially occur earlier, have a higher flow velocity and/or a larger volume than the channels are equipped for. Increased velocity and volume of peak flow can cause bank erosion, channel widening, downward incision, and disconnection from the floodplain. The potential hydrologic effect to low flow is reduced surface storage and groundwater recharge, which can then result in reduced base flow to perennial rivers and/or streams and potentially causing intermittent channels to become ephemeral. The direct impact would be that hydrologic processes may be altered where the perennial, ephemeral, and intermittent river and stream system responds by changing physical parameters, such as channel configuration. These changes may in turn impact water quality and ultimately the aquatic ecosystem through eutrophication, changes in water temperature, and/ or a change in the food structure.

Minor long-term impacts to the watershed and hydrology could continue for the life of surface disturbance from water discharge from roads, road ditches, and well pads, but would decrease once all well pads and road surfacing material has been removed and reclamation of well pads, access roads, pipelines, and powerlines have taken place. Interim reclamation of the portion of the well pad not needed for production operation, as well as re-vegetating the portion of the pad that is needed for production operations, as well as re-vegetating road ditches would reduce this long-term impact. Short-term impacts to the watershed and hydrology from access roads that are not surfaced with impervious materials would occur and would likely decrease in time due to reclamation efforts.

Water depletions connected hydrologically potentially affecting the Colorado or Platte River drainages may affect T&E aquatic species or their designated critical habitats and would therefore require consultation with USFWS, and applicable point-source discharges would require permits under the National Pollution Discharge Elimination System (NPDES) and approval by the BLM prior to disposal of water produced from federal oil and gas leases; potential impacts would be mitigated at that time.



Underground waste disposal is regulated under the Underground Injection Control (UIC) program, which was authorized under the Safe Drinking Water Act. If a drilling/completion proposal is found to not be protective of usable water zones, as required by 43 CFR § 3162.5-2(d) and Onshore Oil and Gas Order No. 2, the proposal could be denied by the BLM. Requirements for groundwater monitoring have been instituted throughout Wyoming by the WOGCC. This monitoring will add a level of certainty regarding the impacts of oil and gas drilling/completion activities on groundwater in Wyoming.

The use of practices such as but not limited to closed-loop mud systems or lined reserve pits would reduce or eliminate seepage of waste fluids into the soil and eventually reaching groundwater. The casing and cementing requirements imposed on proposed wells would reduce or eliminate the potential for groundwater contamination from drilling/completion/production fluids and other surface sources. Additionally, the use of closed-loop or semi-closed loop drilling systems may be required by the BLM (see BLM-Wyoming Instruction Memorandum WY-2012-007, “Management of Oil and Gas Exploration and Production Pits”).

Stormwater Pollution Prevention Plans (SWPPs) are required by the State of Wyoming before any surface disturbance associated with construction actions greater than 1 acre in size. Prior to authorization of surface disturbance on a lease, the BLM will require a Surface Use Plan of Operations be submitted to the BLM, and the BLM authorized officer may require additional erosion control measures to reduce the volume of surface runoff and subsequent sediment transport. Upon abandonment of the wells and/or when access roads are no longer in service, the BLM will require surface reclamation of the disturbed areas as described in Standard Lease Term No. 6 and in accordance with the approved APD or Sundry Notice.

### 3.5 Greater Sage-Grouse

Conservation of the Greater Sage-Grouse (*Centrocercus urophasianus*) and their habitats is a critical land-management issue for the BLM, the public, and the BLM’s partner agencies across the West.

The Greater Sage-Grouse currently occupies approximately about one-half of their historic distribution. On October 2, 2015, the U.S. Fish and Wildlife Service (FWS) published its finding that listing of the Greater Sage-Grouse under the Endangered Species Act of 1973 was not warranted. The FWS’s finding was based, in part, on the conservation strategies developed in Wyoming and other states which led the FWS to conclude that “the primary threats to greater sage-grouse have been ameliorated by conservation efforts implemented by Federal, State, and private landowners.” (80 FR 59858, dated October 2, 2015). As the FWS also acknowledged (id. at page 59882):

The key component of the Wyoming Plan is the application of State’s regulatory measures associated with the Wyoming Plan on all lands in Wyoming... The Federal Plans in the State incorporate the Wyoming strategy,<sup>[12]</sup> thereby ensuring implementation of the strategy on Federal land surfaces and subsurface regardless of the need for a State permit (see further discussion below). The completion of the Federal plans also facilitates greater coordination between the State and Federal agencies in implementing and monitoring the Wyoming Plan. This addition to the Wyoming Plan further increases the value of this effort in conserving sage-grouse by covering all lands in the State with a single regulatory framework to reduce affects to sage-grouse in the most important habitats in the State. Therefore, the strategy conserves sage-grouse through an effective regulatory mechanism for conservation.

For BLM-administered public lands in Wyoming, the BLM incorporated the State’s Greater Sage-Grouse conservation strategy by revising and amending its RMPs. The State of Wyoming’s Core Area Protection strategy for Greater Sage-Grouse “is based on the principle that conservation of important habitat essential to the maintenance of Greater Sage-Grouse and activities important to the State’s economy are not mutually exclusive.” (State of Wyoming Governor’s Executive Order 2019-3, at Appendix A, page 5). The important habitat areas referred to in Executive Order (EO) 2019-3 are the Core Population Areas (CPAs), Connectivity Areas and Winter

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<sup>12</sup> On August 1, 2008, the Wyoming Governor issued Executive Order 2008-2, establishing a “core population area strategy” for Greater Sage-grouse in Wyoming. This Executive Order has since been re-issued (June 2, 2011 as EO 2011-5; July 29, 2015 as EO 2015-4 and, most recently, on August 21, 2019 as EO 2019-3). The BLM and State of Wyoming use identical core population area boundaries; see [https://eplanning.blm.gov/epl-front-office/projects/lup/36597/130805/159604/RMP\\_Maint\\_2017-001\\_Sage-Grouse\\_Core\\_V4.pdf](https://eplanning.blm.gov/epl-front-office/projects/lup/36597/130805/159604/RMP_Maint_2017-001_Sage-Grouse_Core_V4.pdf)

Concentration Areas designed by the State of Wyoming’s Sage-Grouse Implementation Team (SGIT). These CPAs encompass approximately 83% of the Greater Sage-Grouse population within the State (see 80 FR 59882) as identified by peak male lek attendance, and were mapped by the SGIT to:<sup>13</sup>

...assimilate[] the highest sage-grouse density areas identified [in published conservation studies] as they were identified as the most productive habitats for sage-grouse in Wyoming. In addition, the mapping of Core Areas considered current and potential energy development and encapsulated areas historically low in production [citation omitted]...

To assist in the implementation of the RMP management decisions, the BLM issued several Instruction Memorandums (IMs) to help provide guidance. One of these was Instruction Memorandum 2016-143 (IM-2016-143 - “Implementation of Greater Sage-grouse Resource Management Plan Revisions or Amendments -Oil & Gas Leasing and Development Sequential Prioritization”) which was issued on September 1, 2016. On December 27, 2017, IM 2016-143 was rescinded and replaced with IM No. 2018-026 (“Implementation of Greater Sage-grouse Resource Management Plan Revisions or Amendments -Oil & Gas Leasing and Development Prioritization Objective”). On March 15, 2019, the Wyoming Greater Sage-Grouse Approved Resource Management Plan Amendment and Record of Decision was signed. Through a District of Idaho court decision (*Western Watersheds Project et al v Schneider*, 1:16-cv-00083-BLW) BLM was enjoined from implementing the 2019 BLM Sage-Grouse Plan Amendments for Idaho, Wyoming, Colorado, Utah, Nevada/Northeastern California, and Oregon, until such time as the Court can adjudicate the claims on the merits. The 2015 Plans remain in effect during this time. On February 27, 2020, a separate court decision from the District of Idaho (*Western Watersheds Project et al v. Bernhardt*, 1:18-cv-00187-REB) enjoined certain provisions of the IM-2018-026 and replaced them with provisions from the IM-2010-117. Finally, a third case from the District of Montana (*Montana Wildlife Federation v. Bernhardt*, 4:18-cv-00069-BMM) vacated IM-2018-026. Due to these decisions, BLM WSO developed a new strategy to prioritize leasing within sage-grouse habitats, which is incorporated in this analysis.

Since the ARMPA indicated that prioritization would occur for leasing and development, along with the decisions from the court cases, the WSO has taken the following approach for this sale: 1) identify all parcels outside of sage-grouse habitat (parcels that are not completely or partially within GHMA or PHMA) and lease according to the appropriate stipulations from the field office RMP, 2) identify parcels that are completely within designated GHMA (if any portion of a GHMA parcel contained PHMA, the entire parcel was considered a PHMA parcel), and 3) identify which parcels are wholly or partially within PHMA. Table 2.2 (see Section 2.3 above) describes each parcel, its designated habitat type(s) and provides the ‘Evaluation Label’ for prioritization purposes.

Table 3.24: Greater Sage-Grouse Habitat Type and Analysis Evaluation Label

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 0388          | 717.80          |                |                | 717.80          |                  |           | X               | PHMA             |
| 0404          | 880.00          |                |                | 880.00          |                  | X         | X               | PHMA             |
| 0410          | 1557.31         |                |                | 1557.31         |                  | X         | X               | PHMA             |
| 0420          | 1033.38         |                |                | 1033.38         |                  |           | X               | PHMA             |
| 0431          | 960.00          |                |                | 960.00          |                  |           | X               | PHMA             |
| 0433          | 2211.44         |                |                | 2211.44         |                  | X         | X               | PHMA             |
| 0434          | 671.68          |                |                | 671.68          |                  | X         | X               | PHMA             |
| 0437          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 0438          | 802.64          |                |                | 802.64          |                  | X         | X               | PHMA             |
| 0440          | 600.00          |                |                | 600.00          |                  | X         | X               | PHMA             |
| 0441          | 709.21          |                |                | 709.21          |                  |           | X               | PHMA             |
| 0451          | 120.00          |                |                | 120.00          |                  |           | X               | PHMA             |
| 0455          | 520.00          |                |                | 520.00          |                  |           | X               | PHMA             |
| 0461          | 1951.12         |                |                | 1951.12         |                  | X         | X               | PHMA             |

<sup>13</sup> Gamo, R.S., and Beck, J.L., 2017, Effectiveness of Wyoming's sage-grouse core areas: Influences on energy development and male lek attendance: Environmental Management, v. 59, no. 2, p. 189-203.

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 0481          | 1199.92         |                |                | 1199.92         |                  | X         | X               | PHMA             |
| 0482          | 1218.54         |                |                | 1218.54         |                  | X         | X               | PHMA             |
| 0485          | 1764.88         |                |                | 1764.88         |                  | X         | X               | PHMA             |
| 0487          | 2119.92         |                |                | 2119.92         |                  | X         | X               | PHMA             |
| 0489          | 1153.41         |                |                | 1153.41         |                  | X         | X               | PHMA             |
| 0491          | 790.81          |                |                | 790.81          |                  | X         | X               | PHMA             |
| 0496          | 90.78           |                |                | 90.78           |                  | X         | X               | PHMA             |
| 0506          | 1000.00         |                |                | 1000.00         |                  | X         | X               | PHMA             |
| 0508          | 2206.41         |                |                | 2206.41         |                  | X         | X               | PHMA             |
| 0534          | 2079.84         |                |                | 2079.84         |                  |           | X               | PHMA             |
| 0539          | 2200.00         |                |                | 2200.00         |                  |           | X               | PHMA             |
| 0540          | 1600.00         |                |                | 1600.00         |                  |           | X               | PHMA             |
| 0554          | 1600.00         |                |                | 1600.00         |                  |           | X               | PHMA             |
| 0559          | 1925.52         |                |                | 1925.52         |                  |           | X               | PHMA             |
| 0562          | 2559.54         |                |                | 2559.54         |                  |           | X               | PHMA             |
| 0563          | 1922.00         |                |                | 1922.00         |                  |           | X               | PHMA             |
| 0564          | 2540.96         |                |                | 2540.96         |                  |           | X               | PHMA             |
| 0567          | 2551.32         |                |                | 2551.32         |                  |           | X               | PHMA             |
| 0568          | 2524.40         |                |                | 2524.40         |                  |           | X               | PHMA             |
| 0569          | 1920.00         |                |                | 1920.00         |                  |           | X               | PHMA             |
| 0570          | 1162.59         |                |                | 1162.59         |                  |           | X               | PHMA             |
| 0575          | 1200.00         |                |                | 1200.00         |                  |           | X               | PHMA             |
| 0594          | 2074.16         |                |                | 2074.16         |                  | X         | X               | PHMA             |
| 0597          | 2082.00         |                |                | 2082.00         |                  | X         | X               | PHMA             |
| 0606          | 1691.58         |                |                | 1691.58         |                  | X         | X               | PHMA             |
| 0608          | 2558.16         |                |                | 2558.16         |                  | X         | X               | PHMA             |
| 0632          | 971.43          |                |                | 971.43          |                  |           | X               | PHMA             |
| 0640          | 1244.15         |                |                | 1244.15         |                  |           | X               | PHMA             |
| 0648          | 1280.00         |                |                | 1280.00         |                  | X         | X               | PHMA             |
| 0695          | 2520.00         |                |                | 2520.00         |                  |           | X               | PHMA             |
| 0697          | 800.00          |                |                | 800.00          |                  | X         | X               | PHMA             |
| 0698          | 179.26          |                |                | 179.26          |                  |           | X               | PHMA             |
| 0701          | 80.00           |                |                | 80.00           |                  | X         | X               | PHMA             |
| 0708          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0711          | 2554.76         |                |                | 2554.76         |                  |           | X               | PHMA             |
| 0712          | 2193.78         |                |                | 2193.78         |                  |           | X               | PHMA             |
| 0714          | 2157.85         |                |                | 2157.85         |                  |           | X               | PHMA             |
| 0755          | 183.25          |                |                | 183.25          |                  |           | X               | PHMA             |
| 0774          | 638.88          |                |                | 638.88          |                  | X         | X               | PHMA             |
| 0775          | 2519.64         |                |                | 2519.64         |                  |           | X               | PHMA             |
| 0776          | 2398.44         |                |                | 2398.44         |                  |           | X               | PHMA             |
| 0777          | 2540.97         |                |                | 2540.97         |                  |           | X               | PHMA             |
| 0778          | 2391.20         |                |                | 2391.20         |                  |           | X               | PHMA             |
| 0779          | 2240.16         |                |                | 2240.16         |                  |           | X               | PHMA             |
| 0788          | 2552.10         |                |                | 2552.10         |                  |           | X               | PHMA             |
| 0790          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 0791          | 1880.00         |                |                | 1880.00         |                  |           | X               | PHMA             |
| 0794          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0798          | 2440.00         |                |                | 2440.00         |                  |           | X               | PHMA             |
| 0799          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0801          | 2477.96         |                |                | 2477.96         |                  |           | X               | PHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 0803          | 2235.43         |                |                | 2235.43         |                  |           | X               | PHMA             |
| 0805          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0806          | 2526.50         |                |                | 2526.50         |                  |           | X               | PHMA             |
| 0807          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0809          | 1120.00         |                |                | 1120.00         |                  |           | X               | PHMA             |
| 0810          | 2531.28         |                |                | 2531.28         |                  |           | X               | PHMA             |
| 0812          | 1079.53         |                |                | 1079.53         |                  |           | X               | PHMA             |
| 0813          | 2550.25         |                |                | 2550.25         |                  |           | X               | PHMA             |
| 0814          | 2535.23         |                |                | 2535.23         |                  |           | X               | PHMA             |
| 0815          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0816          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0861          | 160.00          |                |                | 160.00          |                  |           | X               | PHMA             |
| 0862          | 40.00           |                |                | 40.00           |                  | X         |                 | GHMA             |
| 0864          | 836.37          |                |                | 836.37          |                  |           | X               | PHMA             |
| 0865          | 240.82          |                |                | 240.82          |                  |           | X               | PHMA             |
| 0866          | 40.00           |                |                | 40.00           |                  |           | X               | PHMA             |
| 0868          | 2048.79         |                |                | 2048.79         |                  |           | X               | PHMA             |
| 0869          | 1183.24         |                |                | 1183.24         |                  | X         |                 | GHMA             |
| 0870          | 1680.00         |                |                | 1680.00         |                  | X         |                 | GHMA             |
| 0875          | 150.65          |                |                | 150.65          |                  | X         |                 | GHMA             |
| 0876          | 2076.88         |                |                | 2076.88         |                  |           | X               | PHMA             |
| 0878          | 1800.00         |                |                | 1800.00         |                  | X         |                 | GHMA             |
| 0881          | 1960.00         |                |                | 1960.00         |                  |           | X               | PHMA             |
| 0882          | 1040.00         |                |                | 1040.00         |                  | X         |                 | GHMA             |
| 0885          | 2237.20         |                |                | 2237.20         |                  | X         | X               | PHMA             |
| 0886          | 120.10          |                |                | 120.10          |                  | X         |                 | GHMA             |
| 0890          | 2520.00         |                |                | 2520.00         |                  | X         | X               | PHMA             |
| 0895          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 0903          | 642.02          |                |                | 642.02          |                  |           | X               | PHMA             |
| 0904          | 2240.00         |                |                | 2240.00         |                  | X         |                 | GHMA             |
| 0911          | 1922.08         |                |                | 1922.08         |                  | X         |                 | GHMA             |
| 0918          | 2560.00         |                |                | 2560.00         |                  | X         |                 | GHMA             |
| 0923          | 1923.21         |                |                | 1923.21         |                  |           | X               | PHMA             |
| 0924          | 40.00           |                |                | 40.00           |                  | X         |                 | GHMA             |
| 0932          | 632.19          |                |                | 632.19          |                  | X         |                 | GHMA             |
| 0934          | 118.70          |                |                | 118.70          |                  | X         |                 | GHMA             |
| 0935          | 40.00           |                |                | 40.00           |                  |           | X               | PHMA             |
| 0936          | 80.00           |                |                | 80.00           |                  |           | X               | PHMA             |
| 0937          | 517.06          |                |                | 517.06          |                  | X         |                 | GHMA             |
| 0938          | 80.00           |                |                | 80.00           | X                |           |                 | Non              |
| 0939          | 80.95           |                |                | 80.95           |                  | X         |                 | GHMA             |
| 0940          | 82.59           |                |                | 82.59           |                  | X         |                 | GHMA             |
| 0942          | 205.27          |                |                | 205.27          |                  | X         |                 | GHMA             |
| 0943          | 160.93          |                |                | 160.93          |                  | X         |                 | GHMA             |
| 0945          | 751.39          |                |                | 751.39          |                  | X         |                 | GHMA             |
| 0946          | 800.00          |                |                | 800.00          |                  | X         |                 | GHMA             |
| 0947          | 1037.11         |                |                | 1037.11         |                  | X         |                 | GHMA             |
| 0948          | 794.81          |                |                | 794.81          |                  | X         |                 | GHMA             |
| 0950          | 884.88          |                |                | 884.88          |                  | X         |                 | GHMA             |
| 0953          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 0955          | 840.00          |                |                | 840.00          |                  | X         |                 | GHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 0958          | 529.19          |                |                | 529.19          |                  | X         |                 | GHMA             |
| 0960          | 456.43          |                |                | 456.43          |                  | X         |                 | GHMA             |
| 0961          | 404.46          |                |                | 404.46          |                  | X         |                 | GHMA             |
| 0966          | 686.03          |                |                | 686.03          |                  | X         |                 | GHMA             |
| 0967          | 490.00          |                |                | 490.00          |                  | X         |                 | GHMA             |
| 0968          | 289.11          |                |                | 289.11          |                  | X         |                 | GHMA             |
| 0971          | 633.94          |                |                | 633.94          |                  | X         |                 | GHMA             |
| 0973          | 794.57          |                |                | 794.57          |                  | X         |                 | GHMA             |
| 0974          | 440.00          |                |                | 440.00          |                  | X         |                 | GHMA             |
| 0977          | 1121.43         |                |                | 1121.43         |                  | X         |                 | GHMA             |
| 0978          | 1927.75         |                |                | 1927.75         |                  | X         |                 | GHMA             |
| 0979          | 2240.00         |                |                | 2240.00         |                  | X         |                 | GHMA             |
| 0983          | 310.26          |                |                | 310.26          |                  | X         |                 | GHMA             |
| 0985          | 1802.60         |                |                | 1802.60         |                  |           | X               | PHMA             |
| 0986          | 805.78          |                |                | 805.78          |                  | X         |                 | GHMA             |
| 0988          | 1280.00         |                |                | 1280.00         |                  | X         | X               | PHMA             |
| 1017          | 1520.00         |                |                | 1520.00         |                  |           | X               | PHMA             |
| 1018          | 280.00          |                |                | 280.00          |                  | X         |                 | GHMA             |
| 1023          | 1920.12         |                |                | 1920.12         |                  | X         |                 | GHMA             |
| 1025          | 880.00          |                |                | 880.00          |                  | X         |                 | GHMA             |
| 1032          | 2456.76         |                |                | 2456.76         |                  | X         |                 | GHMA             |
| 1033          | 1080.00         |                |                | 1080.00         |                  | X         |                 | GHMA             |
| 1034          | 477.84          |                |                | 477.84          |                  | X         | X               | PHMA             |
| 1036          | 2453.01         |                |                | 2453.01         |                  | X         |                 | GHMA             |
| 1037          | 200.00          |                |                | 200.00          |                  | X         | X               | PHMA             |
| 1038          | 473.10          |                |                | 473.10          |                  |           | X               | PHMA             |
| 1043          | 1971.94         |                |                | 1971.94         |                  | X         |                 | GHMA             |
| 1049          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 1050          | 2515.98         |                |                | 2515.98         |                  |           | X               | PHMA             |
| 1054          | 1316.71         |                |                | 1316.71         |                  | X         |                 | GHMA             |
| 1057          | 960.00          |                |                | 960.00          |                  | X         | X               | PHMA             |
| 1059          | 960.00          |                |                | 960.00          |                  |           | X               | PHMA             |
| 1062          | 200.00          |                |                | 200.00          |                  |           | X               | PHMA             |
| 1063          | 640.00          |                |                | 640.00          |                  | X         | X               | PHMA             |
| 1064          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 1065          | 320.00          |                |                | 320.00          |                  |           | X               | PHMA             |
| 1066          | 400.00          |                |                | 400.00          |                  | X         | X               | PHMA             |
| 1073          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 1074          | 673.29          |                |                | 673.29          |                  | X         |                 | GHMA             |
| 1076          | 1040.00         |                |                | 1040.00         |                  | X         |                 | GHMA             |
| 1077          | 803.92          |                |                | 803.92          |                  | X         |                 | GHMA             |
| 1079          | 800.00          |                |                | 800.00          |                  |           | X               | PHMA             |
| 1081          | 1348.82         |                |                | 1348.82         | X                | X         |                 | GHMA             |
| 1083          | 841.19          |                |                | 841.19          |                  | X         |                 | GHMA             |
| 1086          | 880.00          |                |                | 880.00          | X                | X         |                 | GHMA             |
| 1091          | 920.00          |                |                | 920.00          | X                |           |                 | Non              |
| 1093          | 1996.20         |                |                | 1996.20         |                  |           | X               | PHMA             |
| 1096          | 237.61          |                |                | 237.61          |                  | X         |                 | GHMA             |
| 1097          | 1134.35         |                |                | 1134.35         |                  | X         |                 | GHMA             |
| 1100          | 80.00           |                |                | 80.00           |                  |           | X               | PHMA             |
| 1101          | 280.00          |                |                | 280.00          |                  |           | X               | PHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1107          | 520.00          |                |                | 520.00          | X                | X         |                 | GHMA             |
| 1110          | 597.05          |                |                | 597.05          |                  | X         |                 | GHMA             |
| 1113          | 80.00           |                |                | 80.00           | X                |           |                 | Non              |
| 1114          | 706.40          |                |                | 706.40          | X                | X         |                 | GHMA             |
| 1115          | 1792.78         |                |                | 1792.78         |                  |           | X               | PHMA             |
| 1123          | 1120.00         |                |                | 1120.00         |                  | X         | X               | PHMA             |
| 1124          | 2160.00         |                |                | 2160.00         |                  |           | X               | PHMA             |
| 1129          | 791.02          |                |                | 791.02          |                  |           | X               | PHMA             |
| 1130          | 40.16           |                |                | 40.16           |                  | X         |                 | GHMA             |
| 1131          | 35.64           |                |                | 35.64           |                  | X         |                 | GHMA             |
| 1132          | 20.94           |                |                | 20.94           |                  | X         |                 | GHMA             |
| 1142          | 440.00          |                |                | 440.00          |                  |           | X               | PHMA             |
| 1143          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 1144          | 320.00          |                |                | 320.00          |                  |           | X               | PHMA             |
| 1145          | 280.00          |                |                | 280.00          |                  |           | X               | PHMA             |
| 1146          | 303.36          |                |                | 303.36          |                  |           | X               | PHMA             |
| 1151          | 280.00          |                |                | 280.00          |                  | X         |                 | GHMA             |
| 1152          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 1154          | 622.92          |                |                | 622.92          |                  | X         |                 | GHMA             |
| 1156          | 816.56          |                |                | 816.56          |                  | X         |                 | GHMA             |
| 1157          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 1158          | 440.00          |                |                | 440.00          |                  | X         |                 | GHMA             |
| 1159          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 1160          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 1162          | 400.00          |                |                | 400.00          |                  | X         | X               | PHMA             |
| 1183          | 201.35          |                |                | 201.35          |                  | X         |                 | GHMA             |
| 1184          | 435.75          |                | 195.65         | 240.11          |                  |           | X               | PHMA             |
| 1185          | 278.16          |                | 38.17          | 239.99          |                  |           | X               | PHMA             |
| 1186          | 1276.16         |                | 955.85         | 320.31          |                  |           | X               | PHMA             |
| 1187          | 1917.02         |                | 1556.34        | 360.68          |                  |           | X               | PHMA             |
| 1188          | 2544.13         |                |                | 2544.13         |                  | X         |                 | GHMA             |
| 1189          | 793.06          | 793.06         |                |                 |                  |           |                 | DELETE           |
| 1190          | 2316.62         |                |                | 2316.62         |                  | X         | X               | PHMA             |
| 1197          | 1520.00         |                |                | 1520.00         |                  | X         |                 | GHMA             |
| 1201          | 1533.04         |                |                | 1533.04         |                  | X         |                 | GHMA             |
| 1202          | 908.63          |                |                | 908.63          |                  |           | X               | PHMA             |
| 1203          | 2026.87         |                |                | 2026.87         |                  | X         |                 | GHMA             |
| 1205          | 1437.84         |                |                | 1437.84         |                  |           | X               | PHMA             |
| 1207          | 160.00          |                |                | 160.00          |                  |           | X               | PHMA             |
| 1208          | 1323.68         |                |                | 1323.68         |                  | X         |                 | GHMA             |
| 1209          | 1234.59         |                | 754.79         | 479.80          |                  | X         | X               | PHMA             |
| 1210          | 1080.00         |                |                | 1080.00         |                  | X         |                 | GHMA             |
| 1211          | 1160.00         |                |                | 1160.00         |                  | X         | X               | PHMA             |
| 1212          | 1995.02         |                |                | 1995.02         |                  | X         |                 | GHMA             |
| 1213          | 280.00          |                |                | 280.00          |                  | X         |                 | GHMA             |
| 1214          | 1758.53         |                |                | 1758.53         |                  |           | X               | PHMA             |
| 1215          | 1800.27         |                |                | 1800.27         |                  |           | X               | PHMA             |
| 1216          | 1918.74         |                | 1599.89        | 318.85          |                  |           | X               | PHMA             |
| 1219          | 1159.63         |                |                | 1159.63         |                  | X         |                 | GHMA             |
| 1221          | 80.17           |                |                | 80.17           |                  | X         |                 | GHMA             |
| 1222          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1223          | 2240.00         |                |                | 2240.00         |                  | X         |                 | GHMA             |
| 1224          | 1877.47         |                |                | 1877.47         |                  | X         |                 | GHMA             |
| 1225          | 1723.80         |                |                | 1723.80         |                  | X         |                 | GHMA             |
| 1226          | 640.21          |                |                | 640.21          |                  | X         |                 | GHMA             |
| 1227          | 1152.94         |                |                | 1152.94         |                  | X         |                 | GHMA             |
| 1229          | 548.03          |                |                | 548.03          |                  |           | X               | PHMA             |
| 1230          | 1759.55         |                |                | 1759.55         |                  | X         |                 | GHMA             |
| 1231          | 1880.00         |                |                | 1880.00         |                  |           | X               | PHMA             |
| 1234          | 715.68          |                |                | 715.68          |                  | X         |                 | GHMA             |
| 1235          | 1888.32         |                | 1305.36        | 582.96          |                  |           | X               | PHMA             |
| 1236          | 2160.00         |                | 1840.30        | 319.70          |                  |           | X               | PHMA             |
| 1237          | 645.29          |                |                | 645.29          |                  | X         | X               | PHMA             |
| 1239          | 2299.51         |                | 1463.62        | 835.89          |                  |           | X               | PHMA             |
| 1240          | 640.00          | 640.00         |                | -               |                  |           |                 | DELETE           |
| 1241          | 1396.77         |                | 318.91         | 1077.86         |                  |           | X               | PHMA             |
| 1242          | 2449.32         |                |                | 2449.32         |                  | X         |                 | GHMA             |
| 1243          | 1005.29         |                | 251.90         | 753.39          |                  |           | X               | PHMA             |
| 1244          | 1907.53         |                | 1707.69        | 199.84          |                  |           | X               | PHMA             |
| 1245          | 2536.25         |                | 2137.69        | 398.56          |                  |           | X               | PHMA             |
| 1246          | 160.00          |                |                | 160.00          |                  |           | X               | PHMA             |
| 1247          | 2262.92         |                |                | 2262.92         |                  | X         |                 | GHMA             |
| 1248          | 1166.20         |                |                | 1166.20         |                  | X         | X               | PHMA             |
| 1249          | 194.46          |                |                | 194.46          |                  |           | X               | PHMA             |
| 1250          | 302.68          |                |                | 302.68          |                  | X         | X               | PHMA             |
| 1251          | 559.93          |                |                | 559.93          |                  | X         | X               | PHMA             |
| 1252          | 2506.93         |                | 1489.04        | 1017.89         |                  |           | X               | PHMA             |
| 1253          | 2158.88         |                | 1688.24        | 470.64          |                  |           | X               | PHMA             |
| 1259          | 1002.49         |                | 399.80         | 602.69          |                  |           | X               | PHMA             |
| 1261          | 2120.00         |                | 1474.38        | 645.62          |                  | X         |                 | GHMA             |
| 1262          | 1560.00         |                | 836.53         | 723.47          |                  | X         |                 | GHMA             |
| 1263          | 2199.58         |                | 1797.02        | 402.56          |                  | X         | X               | PHMA             |
| 1264          | 718.26          |                | 678.46         | 39.80           |                  | X         | X               | PHMA             |
| 1265          | 1040.00         |                | 1040.00        | 1040.00         |                  |           | X               | PHMA             |
| 1266          | 720.00          |                | 720.00         | 720.00          |                  |           | X               | PHMA             |
| 1267          | 519.95          |                | 312.995        | 206.955         |                  | X         |                 | GHMA             |
| 1268          | 560.00          |                | 314.380        | 245.620         |                  |           | X               | PHMA             |
| 1269          | 1470.11         | 1470.11        |                | -               |                  |           |                 | DELETE           |
| 1270          | 920.00          |                |                | 920.00          |                  |           | X               | PHMA             |
| 1271          | 160.00          | 160.00         |                | -               |                  |           |                 | DELETE           |
| 1272          | 200.00          |                | 120.024        | 79.976          |                  | X         | X               | PHMA             |
| 1273          | 80.00           |                | 39.974         | 40.026          |                  |           | X               | PHMA             |
| 1274          | 558.58          |                |                | 558.58          |                  | X         |                 | GHMA             |
| 1276          | 439.73          |                |                | 439.73          |                  | X         |                 | GHMA             |
| 1277          | 80.00           |                |                | 80.00           |                  | X         |                 | GHMA             |
| 1314          | 159.94          |                |                | 159.94          |                  |           | X               | PHMA             |
| 1316          | 1119.72         |                |                | 1119.72         |                  |           | X               | PHMA             |
| 6731          | 1423.90         |                |                | 1423.90         |                  |           | X               | PHMA             |
| 6743          | 1992.20         |                |                | 1992.20         |                  | X         | X               | PHMA             |
| 6744          | 1949.71         |                |                | 1949.71         |                  | X         | X               | PHMA             |
| 6758          | 1080.00         |                |                | 1080.00         |                  | X         | X               | PHMA             |
| 6782          | 1179.27         |                |                | 1179.27         |                  |           | X               | PHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 6783          | 1142.08         |                |                | 1142.08         |                  |           | X               | PHMA             |
| 6784          | 2408.69         |                |                | 2408.69         |                  |           | X               | PHMA             |
| 6787          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 6792          | 2532.51         |                |                | 2532.51         |                  |           | X               | PHMA             |
| 6793          | 2552.14         |                |                | 2552.14         |                  |           | X               | PHMA             |
| 6794          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6797          | 1924.40         |                |                | 1924.40         |                  |           | X               | PHMA             |
| 6799          | 1922.88         |                |                | 1922.88         |                  |           | X               | PHMA             |
| 6800          | 1262.39         |                |                | 1262.39         |                  |           | X               | PHMA             |
| 6801          | 1749.22         |                |                | 1749.22         |                  |           | X               | PHMA             |
| 6802          | 2200.00         |                |                | 2200.00         |                  |           | X               | PHMA             |
| 6803          | 636.64          |                |                | 636.64          |                  |           | X               | PHMA             |
| 6809          | 2242.50         |                |                | 2242.50         |                  | X         | X               | PHMA             |
| 6813          | 2560.00         |                |                | 2560.00         |                  | X         | X               | PHMA             |
| 6820          | 80.00           |                |                | 80.00           |                  | X         | X               | PHMA             |
| 6824          | 1704.24         |                |                | 1704.24         |                  | X         | X               | PHMA             |
| 6831          | 2157.24         |                |                | 2157.24         |                  | X         | X               | PHMA             |
| 6834          | 2555.94         |                |                | 2555.94         |                  | X         | X               | PHMA             |
| 6847          | 1565.66         |                |                | 1565.66         |                  |           | X               | PHMA             |
| 6866          | 1948.43         |                |                | 1948.43         |                  | X         | X               | PHMA             |
| 6885          | 1034.35         |                |                | 1034.35         |                  | X         | X               | PHMA             |
| 6886          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 6935          | 200.00          |                |                | 200.00          |                  | X         | X               | PHMA             |
| 6936          | 480.00          |                |                | 480.00          |                  |           | X               | PHMA             |
| 6937          | 2350.98         |                |                | 2350.98         |                  |           | X               | PHMA             |
| 6938          | 2348.25         |                |                | 2348.25         |                  |           | X               | PHMA             |
| 6940          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6949          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6950          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6951          | 2191.44         |                |                | 2191.44         |                  |           | X               | PHMA             |
| 6952          | 1920.00         |                |                | 1920.00         |                  |           | X               | PHMA             |
| 6953          | 40.00           |                |                | 40.00           |                  |           | X               | PHMA             |
| 6954          | 1280.00         |                |                | 1280.00         |                  |           | X               | PHMA             |
| 6955          | 560.10          |                |                | 560.10          |                  |           | X               | PHMA             |
| 6956          | 2542.26         |                |                | 2542.26         |                  |           | X               | PHMA             |
| 6957          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6958          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6959          | 2557.64         |                |                | 2557.64         |                  |           | X               | PHMA             |
| 6976          | 786.29          |                |                | 786.29          |                  | X         |                 | GHMA             |
| 6977          | 78.54           |                |                | 78.54           |                  | X         |                 | GHMA             |
| 6978          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 6979          | 82.95           |                |                | 82.95           |                  | X         |                 | GHMA             |
| 6981          | 1720.00         |                |                | 1720.00         |                  | X         |                 | GHMA             |
| 6983          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 6984          | 2397.65         |                |                | 2397.65         |                  | X         | X               | PHMA             |
| 6985          | 325.21          |                |                | 325.21          |                  | X         |                 | GHMA             |
| 6986          | 2240.91         |                |                | 2240.91         |                  |           | X               | PHMA             |
| 6988          | 2534.17         |                |                | 2534.17         |                  |           | X               | PHMA             |
| 6990          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 6991          | 2559.17         |                |                | 2559.17         |                  |           | X               | PHMA             |
| 6992          | 1925.16         |                |                | 1925.16         |                  |           | X               | PHMA             |



| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 6995          | 1440.00         |                |                | 1440.00         |                  | X         |                 | GHMA             |
| 7000          | 1920.00         |                |                | 1920.00         |                  | X         |                 | GHMA             |
| 7003          | 2514.11         |                |                | 2514.11         |                  | X         |                 | GHMA             |
| 7008          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 7012          | 1197.70         |                |                | 1197.70         |                  | X         |                 | GHMA             |
| 7013          | 438.23          |                |                | 438.23          |                  | X         |                 | GHMA             |
| 7014          | 2553.57         |                |                | 2553.57         |                  |           | X               | PHMA             |
| 7015          | 319.27          |                |                | 319.27          |                  | X         |                 | GHMA             |
| 7016          | 440.00          |                |                | 440.00          |                  | X         |                 | GHMA             |
| 7017          | 320.00          |                |                | 320.00          |                  |           | X               | PHMA             |
| 7018          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 7019          | 164.37          |                |                | 164.37          |                  | X         |                 | GHMA             |
| 7020          | 80.00           |                |                | 80.00           |                  | X         |                 | GHMA             |
| 7021          | 1480.00         |                |                | 1480.00         |                  | X         |                 | GHMA             |
| 7022          | 651.62          |                |                | 651.62          |                  | X         |                 | GHMA             |
| 7023          | 473.40          |                |                | 473.40          |                  | X         |                 | GHMA             |
| 7024          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 7025          | 280.00          |                |                | 280.00          |                  | X         |                 | GHMA             |
| 7026          | 360.00          |                |                | 360.00          |                  | X         |                 | GHMA             |
| 7027          | 532.79          |                |                | 532.79          |                  | X         |                 | GHMA             |
| 7028          | 527.77          |                |                | 527.77          |                  | X         |                 | GHMA             |
| 7029          | 731.28          |                |                | 731.28          |                  | X         |                 | GHMA             |
| 7030          | 874.26          |                |                | 874.26          |                  | X         |                 | GHMA             |
| 7031          | 208.28          |                |                | 208.28          |                  | X         |                 | GHMA             |
| 7032          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 7033          | 536.69          |                |                | 536.69          |                  | X         |                 | GHMA             |
| 7034          | 322.93          |                |                | 322.93          |                  | X         |                 | GHMA             |
| 7035          | 897.70          |                |                | 897.70          |                  | X         |                 | GHMA             |
| 7036          | 92.93           |                |                | 92.93           | X                |           |                 | Non              |
| 7037          | 2245.64         |                |                | 2245.64         |                  | X         | X               | PHMA             |
| 7038          | 2241.48         |                |                | 2241.48         |                  | X         | X               | PHMA             |
| 7039          | 849.67          |                |                | 849.67          |                  | X         |                 | GHMA             |
| 7040          | 2400.00         |                |                | 2400.00         |                  | X         | X               | PHMA             |
| 7041          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 7045          | 1273.56         |                |                | 1273.56         |                  |           | X               | PHMA             |
| 7047          | 80.00           |                |                | 80.00           |                  |           | X               | PHMA             |
| 7048          | 453.17          |                |                | 453.17          |                  | X         | X               | PHMA             |
| 7049          | 40.66           |                |                | 40.66           |                  |           | X               | PHMA             |
| 7050          | 2212.62         |                |                | 2212.62         |                  | X         | X               | PHMA             |
| 7051          | 2520.00         |                |                | 2520.00         |                  | X         |                 | GHMA             |
| 7052          | 1918.24         |                |                | 1918.24         |                  | X         |                 | GHMA             |
| 7053          | 1778.75         |                |                | 1778.75         |                  | X         |                 | GHMA             |
| 7054          | 2119.81         |                |                | 2119.81         |                  |           | X               | PHMA             |
| 7058          | 1252.64         |                |                | 1252.64         |                  |           | X               | PHMA             |
| 7059          | 40.00           |                |                | 40.00           | X                |           |                 | Non              |
| 7060          | 2501.09         |                |                | 2501.09         |                  | X         |                 | GHMA             |
| 7061          | 2280.00         |                |                | 2280.00         |                  | X         |                 | GHMA             |
| 7069          | 2549.80         |                |                | 2549.80         |                  | X         |                 | GHMA             |
| 7070          | 1359.96         |                |                | 1359.96         |                  | X         |                 | GHMA             |
| 7073          | 2357.67         |                |                | 2357.67         |                  | X         |                 | GHMA             |
| 7074          | 2075.66         |                |                | 2075.66         |                  | X         |                 | GHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 7075          | 40.00           |                |                | 40.00           |                  | X         |                 | GHMA             |
| 7077          | 538.64          |                |                | 538.64          |                  | X         |                 | GHMA             |
| 7078          | 531.82          |                |                | 531.82          |                  | X         |                 | GHMA             |
| 7079          | 587.31          |                |                | 587.31          |                  | X         |                 | GHMA             |
| 7081          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 7096          | 161.07          |                |                | 161.07          |                  |           | X               | PHMA             |
| 7097          | 2479.60         |                |                | 2479.60         |                  | X         | X               | PHMA             |
| 7098          | 2400.00         |                |                | 2400.00         |                  | X         | X               | PHMA             |
| 7099          | 1920.00         |                |                | 1920.00         |                  |           | X               | PHMA             |
| 7100          | 2338.49         |                |                | 2338.49         |                  | X         |                 | GHMA             |
| 7103          | 2559.88         |                |                | 2559.88         |                  | X         |                 | GHMA             |
| 7107          | 2454.31         |                |                | 2454.31         |                  | X         |                 | GHMA             |
| 7110          | 1348.95         |                |                | 1348.95         |                  | X         |                 | GHMA             |
| 7111          | 1900.00         |                |                | 1900.00         |                  | X         |                 | GHMA             |
| 7122          | 2007.63         |                |                | 2007.63         |                  | X         |                 | GHMA             |
| 7123          | 906.89          |                |                | 906.89          |                  | X         |                 | GHMA             |
| 7124          | 557.31          |                |                | 557.31          | X                |           |                 | Non              |
| 7125          | 1400.00         |                |                | 1400.00         |                  | X         | X               | PHMA             |
| 7126          | 200.00          |                |                | 200.00          |                  | X         |                 | GHMA             |
| 7127          | 320.00          |                |                | 320.00          |                  | X         |                 | GHMA             |
| 7128          | 2535.56         |                |                | 2535.56         |                  |           | X               | PHMA             |
| 7131          | 160.00          |                |                | 160.00          |                  |           | X               | PHMA             |
| 7133          | 80.99           |                |                | 80.99           |                  |           | X               | PHMA             |
| 7134          | 464.96          |                |                | 464.96          |                  | X         |                 | GHMA             |
| 7135          | 686.80          |                |                | 686.80          |                  | X         |                 | GHMA             |
| 7136          | 280.00          |                |                | 280.00          |                  |           | X               | PHMA             |
| 7137          | 760.00          |                |                | 760.00          |                  |           | X               | PHMA             |
| 7138          | 80.00           |                |                | 80.00           |                  |           | X               | PHMA             |
| 7140          | 1440.00         |                |                | 1440.00         |                  |           | X               | PHMA             |
| 7141          | 1640.00         |                |                | 1640.00         |                  |           | X               | PHMA             |
| 7142          | 918.35          |                |                | 918.35          |                  | X         | X               | PHMA             |
| 7143          | 801.96          |                |                | 801.96          |                  |           | X               | PHMA             |
| 7145          | 120.00          |                |                | 120.00          |                  | X         |                 | GHMA             |
| 7146          | 1920.00         |                |                | 1920.00         |                  | X         | X               | PHMA             |
| 7148          | 2560.00         |                |                | 2560.00         |                  |           | X               | PHMA             |
| 7149          | 560.00          |                |                | 560.00          |                  | X         |                 | GHMA             |
| 7150          | 800.00          |                |                | 800.00          |                  | X         |                 | GHMA             |
| 7151          | 1010.89         |                |                | 1010.89         |                  | X         |                 | GHMA             |
| 7152          | 383.84          |                |                | 383.84          |                  | X         |                 | GHMA             |
| 7153          | 1416.27         |                |                | 1416.27         |                  | X         |                 | GHMA             |
| 7154          | 720.00          |                |                | 720.00          | X                |           |                 | Non              |
| 7155          | 1733.49         |                |                | 1733.49         |                  | X         |                 | GHMA             |
| 7157          | 2037.70         |                |                | 2037.70         | X                |           |                 | Non              |
| 7158          | 374.70          |                |                | 374.70          |                  | X         |                 | GHMA             |
| 7159          | 779.56          |                |                | 779.56          |                  | X         |                 | GHMA             |
| 7160          | 322.34          |                |                | 322.34          |                  | X         |                 | GHMA             |
| 7163          | 946.23          |                |                | 946.23          |                  | X         | X               | PHMA             |
| 7164          | 640.00          |                |                | 640.00          |                  |           | X               | PHMA             |
| 7165          | 720.00          |                |                | 720.00          |                  |           | X               | PHMA             |
| 7166          | 1357.69         |                |                | 1357.69         |                  |           | X               | PHMA             |
| 7167          | 1440.00         |                |                | 1440.00         |                  |           | X               | PHMA             |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 7168          | 958.29          |                |                | 958.29          |                  |           | X               | PHMA             |
| 7169          | 2403.78         |                |                | 2403.78         |                  | X         |                 | GHMA             |
| 7170          | 632.17          |                |                | 632.17          |                  | X         |                 | GHMA             |
| 7171          | 1088.55         |                |                | 1088.55         | X                | X         |                 | GHMA             |
| 7173          | 710.51          |                |                | 710.51          |                  | X         |                 | GHMA             |
| 7174          | 850.92          |                |                | 850.92          |                  | X         |                 | GHMA             |
| 7175          | 566.68          |                |                | 566.68          |                  | X         | X               | PHMA             |
| 7176          | 2000.00         |                |                | 2000.00         |                  | X         | X               | PHMA             |
| 7177          | 819.62          |                |                | 819.62          |                  | X         |                 | GHMA             |
| 7180          | 40.00           |                |                | 40.00           |                  |           | X               | PHMA             |
| 7181          | 600.00          |                |                | 600.00          |                  | X         | X               | PHMA             |
| 7182          | 1392.46         |                |                | 1392.46         |                  | X         |                 | GHMA             |
| 7185          | 33.76           |                |                | 33.76           |                  | X         |                 | GHMA             |
| 7186          | 1379.39         |                |                | 1379.39         |                  |           | X               | PHMA             |
| 7187          | 160.07          |                |                | 160.07          |                  |           | X               | PHMA             |
| 7188          | 1398.72         |                |                | 1398.72         |                  | X         |                 | GHMA             |
| 7189          | 1125.62         |                |                | 1125.62         |                  | X         |                 | GHMA             |
| 7190          | 1677.68         |                |                | 1677.68         |                  | X         |                 | GHMA             |
| 7192          | 1360.00         |                |                | 1360.00         |                  | X         |                 | GHMA             |
| 7193          | 80.00           |                |                | 80.00           |                  | X         |                 | GHMA             |
| 7194          | 1189.62         |                |                | 1189.62         |                  | X         | X               | PHMA             |
| 7195          | 80.00           |                |                | 80.00           |                  | X         |                 | GHMA             |
| 7197          | 160.00          |                |                | 160.00          |                  |           | X               | PHMA             |
| 7199          | 455.41          |                |                | 455.41          |                  |           | X               | PHMA             |
| 7200          | 623.40          |                |                | 623.40          |                  | X         |                 | GHMA             |
| 7202          | 160.00          |                |                | 160.00          |                  | X         | X               | PHMA             |
| 7203          | 640.00          |                |                | 640.00          |                  | X         |                 | GHMA             |
| 7204          | 454.82          |                |                | 454.82          |                  | X         |                 | GHMA             |
| 7205          | 632.16          |                |                | 632.16          |                  | X         |                 | GHMA             |
| 7206          | 434.36          |                |                | 434.36          |                  | X         | X               | PHMA             |
| 7207          | 2140.40         |                |                | 2140.40         |                  |           | X               | PHMA             |
| 7210          | 1440.00         |                |                | 1440.00         |                  |           | X               | PHMA             |
| 7211          | 2295.70         |                |                | 2295.70         |                  |           | X               | PHMA             |
| 7213          | 920.00          |                | 720.16         | 199.84          |                  |           | X               | PHMA             |
| 7214          | 1878.53         |                |                | 1878.53         |                  | X         |                 | GHMA             |
| 7215          | 636.41          |                |                | 636.41          |                  | X         |                 | GHMA             |
| 7216          | 1870.67         |                | 1669.82        | 200.85          |                  | X         |                 | GHMA             |
| Total         | 560,230.77      | 3,063.17       | 27,664.27      | 529,503.34      |                  |           |                 |                  |

Any parcel(s) located in Non-habitat are given first priority and sent to the respective field office for an RMP conformance review (P1 within Prioritization Flowchart located in section 3.6). Table 3.1 identifies the eight parcels nominated for this sale in Non-habitat.

Application of appropriate stipulations from the RMP are applied to each parcel in conformance with the FO RMP. WGFD also reviews the parcels to provide recommendations to the BLM. These initial WGFD reviews are coordinated with the respective BLM FO. Once a field office has completed its review, the parcel list is sent back to the BLM WSO and is incorporated into the competitive lease sale EA. The following table indicates which parcels are in Non-habitat and are available for further FO review.

Table 3.25: 20XX-XX Non-habitat Parcels and Initial Determination (P1 in Flowchart):

| Parcel Number | Evaluation Label | Determination | FO Recommendation |
|---------------|------------------|---------------|-------------------|
|---------------|------------------|---------------|-------------------|

|                 |             |   |       |
|-----------------|-------------|---|-------|
| 0938            | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-1091 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-1113 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-7036 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-7059 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-7124 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-7154 | Non-habitat | Sent to appropriate FO for further review | Lease |
| WY-202X-XX-7157 | Non-habitat | Sent to appropriate FO for further review | Lease |

Those parcels completely within GHMA were then reviewed to verify that the BLM is using the most current GHMA/PHMA boundaries, the most current lek location database information (maintained by WGFD) and most current Winter Concentration Area locations are reviewed in relation to the parcels, before being considered for sale offering. BLM WSO has applied the most current stipulations to each parcel (see MD SSS 6 and 9, page 6 of this appendix), as appropriate, and sent those parcels to the field office for review as described above in the Non-habitat parcel review process. The following table indicates which parcels have the 'Evaluating Label' of GHMA and the initial determination.

Table 3.26: 2020-03 GHMA Parcels and Initial Determination (P2 in flowchart)

| Parcel Number   | Evaluation Label | Determination                             | FO Recommendation |
|-----------------|------------------|---|-------------------|
| WY-202X-XX-0862 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0869 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0870 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0875 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0878 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0882 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0886 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0904 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0911 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0918 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0924 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0932 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0934 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0937 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0939 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0940 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0942 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0943 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0945 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0946 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0947 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0948 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0950 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0953 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0955 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0958 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0960 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0961 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0966 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0967 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0968 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0971 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0973 | GHMA             | Sent to appropriate FO for further review | Lease             |
| WY-202X-XX-0974 | GHMA             | Sent to appropriate FO for further review | Lease             |

[illegible]



|                 |      |   |                     |
|-----------------|------|---|---------------------|
| WY-202X-XX-7078 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7079 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7081 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7100 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7103 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7107 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7110 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7111 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7122 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7123 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7126 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7127 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7134 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7135 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7145 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7149 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7150 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7151 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7152 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7153 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7155 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7158 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7159 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7160 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7169 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7170 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7171 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7173 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7174 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7177 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7182 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7185 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7188 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7189 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7190 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7192 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7193 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7195 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7200 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7203 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7204 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7205 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7214 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7215 | GHMA | Sent to appropriate FO for further review | Lease               |
| WY-202X-XX-7216 | GHMA | Sent to appropriate FO for further review | Delete Pt/ Lease Pt |

For all parcels (wholly or partially) located within designated PHMA, the BLM WSO has taken the following approach. Identify if any of the PHMA parcels are located in an area in which a habitat and/or population metric indicates a need for further review (MD SSS 13, pg. 37-38, 2015 ARMPA). If a parcel is located within one of these areas, BLM WSO will use the adaptive management process outlined in Appendix D of the 2015 ARMPA and notify the BLM WY SD (P5). The decision made by the SD to lease or defer the parcel(s) would be based on criteria located in Appendix D along with other available information.

For parcels located in an area where the habitat and/or population metrics are within normal ranges, BLM WSO would identify any parcel(s) located in an area where law or regulation indicates that offering the lands for lease would be in the government's best interest. An example would be if any of the parcels are subject to potential fluid minerals drainage from a nearby/adjacent lease (see Table 3.27 below for any parcel meeting this criteria). If any of the proposed parcels identified as being in an area where law or regulation indicates that offering the lands is in the government's best interest (LQ1), BLM WSO would apply the appropriate stipulations (P3) and send the parcel to the respective field office for further review and inclusion to the EA, as described in the Non-habitat process (page 15 of this appendix).

If none of the parcels are identified within the first two criteria, BLM WSO would identify if any of the parcels are located within an existing federal oil and gas unit (LQ2, see Table 3.27 below for any parcel meeting this criteria). If a parcel is located within an existing unit, BLM WSO would apply the appropriate stipulations (P3) to the lease as described in Non-habitat process (page 15 of this appendix). Leasing parcels in an existing federal oil and gas unit congregates leases in a particular area, potentially minimizing the amount of surface disturbance.

Any parcels that are not located in an area in which a habitat and/or population metric indicates a need for further review (RMPQ1), in an area where it is the government's best interest to lease (LQ1) or in an existing Federal Oil and Gas Unit (LQ2), BLM WSO will identify any parcel(s) that are located within areas of prioritized restoration projects (RMPQ2, see Table 3.27 below for any parcel meeting this criteria). An example of this could be where BLM WY, along with state and local resources and/or private entities, have invested large amounts of time and resources to restore the habitat within an area. These areas would be considered a priority if they are trending toward successful reclamation and new disturbance that may occur as a result if leasing would hinder the continuation of that trend. If a parcel is identified within one of these areas, the BLM WY SD would make the final determination to lease the parcel or defer the parcel (P4). If the SD chooses to lease the parcel, BLM WSO would apply the appropriate sage-grouse stipulations (P3) and send the parcel to the respective field office for further review and inclusion to the lease sale EA, as described in the Non-habitat process (page 15 of this appendix).

If none of the above criteria are met, BLM WSO would identify any of the parcels are located within a completed oil and gas field-development Environmental Impact Statement or Master Leasing Plan area (see Table 3.27 below for any parcel meeting this criteria) that allows for adequate site-specific mitigation and is in conformance with the objectives of the Greater Sage-Grouse (GSG) plans (LQ3). Any parcels that meet this criterion would have stipulations applied accordingly (P3) and sent to the respective field office for further review and inclusion in the EA, as described in the Non-habitat process.

If any of the above screening criteria are not met, BLM WSO would identify if any of the parcels are located within an allotment that is failing to achieve the land health standards (see Table 3.27 below for any parcel meeting this criteria) and conform with the guidelines (RMPQ3). If a proposed parcel is located within an allotment that is failing land health standards, the BLM WY SD will be notified (P4). It will be the discretion of the SD to defer the parcel(s) or lease the parcel(s) based upon the information available concerning the particular allotment. If a parcel is proposed for lease, the appropriate sage-grouse stipulations will be applied (P3) and sent to the respective FO for further review, as described in the Non-habitat process (page 15 of this appendix).

If none of the parcels are located within the criteria listed above, BLM WSO would identify any parcel that is immediately adjacent or proximate to existing oil and gas leases and development (LQ4, see Table 3.27 below for any parcel meeting this criteria). Any parcel adjacent to an existing oil and gas lease or development would have the appropriate stipulations applied (P3) and sent to the respective field office as described in the Non-habitat process.

The BLM WSO would identify any parcel located in an area with high potential for development (LQ5) (i.e. consider the oil and gas potential maps developed by the BLM for the GSG Plans) if none of the above criteria are met. Again, any parcel located within these areas with high potential for development, the BLM WSO would apply the appropriate stipulations (P3) and send to the respective field office for further review.

Finally, the BLM WSO would provide the SD a list of parcels, location, and any additional information required, if none of the criteria are met (P4). This would allow the SD to make an informed decision to lease the parcel during this sale (P3) or defer and review again during the next sale. The process is also outlined in a flowchart on page 98 with the flowchart guidance on page 99.



Table 3.27: PHMA parcel evaluation and recommendation:

| 20XX-XX-Parcel Num. | Adaptive Mgmt. Metrics (P5) | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Area of Prioritized Restoration Project (P4) | Adjacent to Existing Lease (P3) | Land Health Standards (P4) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | No Criteria Met (P4) | Initial Recommendation to SD |
|---------------------|-----------------------------|----------------------------------|-----------|--|---------------------------------|----------------------------|--------------------------|---|----------------------|------------------------------|
| 0388                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0404                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0410                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0420                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0431                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0433                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0434                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0437                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0438                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0440                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0441                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0451                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0455                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0461                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0481                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0482                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0485                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0487                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0489                |                             |                                  |           |  | X                               |                            | X                        |   |                      | Lease                        |
| 0491                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0496                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0506                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0508                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0534                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0539                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0540                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0554                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0559                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0562                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0563                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0564                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0567                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0568                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0569                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0570                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0575                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0594                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0597                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 0606                |                             |                                  |           |  | X                               |                            | X                        |   |                      | Lease                        |
| 0608                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |
| 0632                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0640                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0648                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0695                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0697                |                             |                                  |           |  | X                               |                            | X                        |   |                      | Lease                        |
| 0698                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0701                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0708                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0711                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0712                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0714                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0755                |                             |                                  |           |  | X                               |                            | X                        |   |                      | Lease                        |
| 0774                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0775                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0776                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0777                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0778                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0779                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0788                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |

| 20XX-XX-Parcel Num. | Adaptive Mgmt. Metrics (P5) | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Area of Prioritized Restoration Project (P4) | Adjacent to Existing Lease (P3) | Land Health Standards (P4) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | No Criteria Met (P4) | Initial Recommendation to SD |
|---------------------|-----------------------------|----------------------------------|-----------|--|---------------------------------|----------------------------|--------------------------|---|----------------------|------------------------------|
| 0790                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0791                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0794                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0798                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0799                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0801                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0803                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0805                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0806                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0807                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0809                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0810                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0812                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0813                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0814                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0815                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0816                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0861                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0864                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0865                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0866                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 0868                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0876                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0881                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 0885                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0890                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0895                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0903                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0923                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0935                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0936                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 0985                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 0988                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1017                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1034                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1037                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1038                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1049                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1050                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1057                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1059                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1062                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1063                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1064                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1065                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1066                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1073                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1079                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1093                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1100                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1101                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1115                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1123                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1124                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1129                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1142                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1143                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1144                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1145                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1146                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1162                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |

| 20XX-XX-Parcel Num. | Adaptive Mgmt. Metrics (P5) | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Area of Prioritized Restoration Project (P4) | Adjacent to Existing Lease (P3) | Land Health Standards (P4) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | No Criteria Met (P4) | Initial Recommendation to SD |
|---------------------|-----------------------------|----------------------------------|-----------|--|---------------------------------|----------------------------|--------------------------|---|----------------------|------------------------------|
| 1184                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1185                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1186                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1187                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1190                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1202                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1205                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1207                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1209                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1211                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1214                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1215                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1216                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1229                | X                           |                                  |           |  | X                               |                            |                          |   |                      | Defer                        |
| 1231                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1235                | X                           |                                  |           |  |                                 |                            |                          |   |                      | Defer                        |
| 1236                | X                           |                                  |           |  | X                               |                            |                          | X                                       |                      | Defer                        |
| 1237                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1239                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1241                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1243                | X                           |                                  |           |  | X                               |                            |                          |   |                      | Defer                        |
| 1244                | X                           |                                  |           |  | X                               |                            |                          | X                                       |                      | Defer                        |
| 1245                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1246                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1248                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1249                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 1250                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1251                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 1252                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1253                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1259                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1263                | X                           |                                  |           |  | X                               |                            |                          | X                                       |                      | Defer                        |
| 1264                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1265                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1266                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1268                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1270                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 1272                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1273                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |
| 1314                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 1316                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6731                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 6743                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 6744                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 6758                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 6782                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6783                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6784                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6787                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6792                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6793                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6794                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6797                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6799                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6800                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6801                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6802                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6803                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6809                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 6813                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 6820                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |

| 20XX-XX-Parcel Num. | Adaptive Mgmt. Metrics (P5) | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Area of Prioritized Restoration Project (P4) | Adjacent to Existing Lease (P3) | Land Health Standards (P4) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | No Criteria Met (P4) | Initial Recommendation to SD |
|---------------------|-----------------------------|----------------------------------|-----------|--|---------------------------------|----------------------------|--------------------------|---|----------------------|------------------------------|
| 6824                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |
| 6831                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |
| 6834                |                             |                                  |           |  |                                 |                            | X                        | X                                       |                      | Lease                        |
| 6847                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6866                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |
| 6885                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 6886                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 6935                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6936                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 6937                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6938                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6940                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6949                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6950                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6951                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6952                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6953                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6954                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6955                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6956                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6957                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6958                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6959                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6983                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6984                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6986                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6988                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6990                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 6991                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 6992                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7014                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7017                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 7037                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7038                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7040                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7041                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7045                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 7047                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7048                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7049                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 7050                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 7054                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7058                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7096                |                             |                                  |           |  |                                 |                            |                          |   |                      | Lease                        |
| 7097                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7098                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7099                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7125                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7128                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7131                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7133                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7136                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7137                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7138                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7140                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 7141                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7142                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7143                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7146                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7148                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7163                |                             |                                  |           |  |                                 |                            | X                        |   |                      | Lease                        |

| 20XX-XX-Parcel Num. | Adaptive Mgmt. Metrics (P5) | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Area of Prioritized Restoration Project (P4) | Adjacent to Existing Lease (P3) | Land Health Standards (P4) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | No Criteria Met (P4) | Initial Recommendation to SD |
|---------------------|-----------------------------|----------------------------------|-----------|--|---------------------------------|----------------------------|--------------------------|---|----------------------|------------------------------|
| 7164                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 7165                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7166                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7167                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7168                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7175                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7176                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 7180                |                             |                                  | X         |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7181                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7186                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7187                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7194                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7197                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 7199                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7202                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7206                |                             |                                  |           |  |                                 |                            |                          | X                                       |                      | Lease                        |
| 7207                |                             |                                  |           |  | X                               |                            |                          | X                                       |                      | Lease                        |
| 7210                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 7211                |                             |                                  |           |  | X                               |                            |                          |   |                      | Lease                        |
| 7213                | X                           |                                  |           |  |                                 |                            |                          | X                                       |                      | Defer                        |

BLM also identified which parcels are located within four (4) miles of a Greater Sage-Grouse lek. BLM used four miles based upon how the Wyoming Core Area Strategy was developed, which BLM then incorporated into the 2015 ARMPA. For consistency, BLM also used this same four-mile approach for parcels and leks in GHMA. The following table indicates which parcels are located within four miles of a Greater Sage-Grouse lek.

Table 3.28: Greater Sage-Grouse Lek Distance

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 0388          | PHMA                     | -      | -       | -       | -       |
| 0404          | PHMA                     | -      | -       | -       | -       |
| 0410          | PHMA                     | -      | -       | X       | X       |
| 0420          | PHMA                     | -      | -       | -       | X       |
| 0431          | PHMA                     | -      | -       | -       | X       |
| 0433          | PHMA                     | X      | X       | X       | X       |
| 0434          | PHMA                     | -      | -       | X       | X       |
| 0437          | PHMA                     | -      | X       | X       | X       |
| 0438          | PHMA                     | -      | -       | -       | X       |
| 0440          | PHMA                     | -      | -       | -       | X       |
| 0441          | PHMA                     | -      | -       | X       | X       |
| 0451          | PHMA                     | -      | -       | -       | -       |
| 0455          | PHMA                     | X      | X       | X       | X       |
| 0461          | PHMA                     | -      | -       | X       | X       |
| 0481          | PHMA                     | X      | X       | X       | X       |
| 0482          | PHMA                     | -      | -       | -       | X       |
| 0485          | PHMA                     | -      | X       | X       | X       |
| 0487          | PHMA                     | -      | -       | -       | X       |
| 0489          | PHMA                     | -      | -       | X       | X       |
| 0491          | PHMA                     | -      | -       | X       | X       |
| 0496          | PHMA                     | X      | X       | X       | X       |
| 0506          | PHMA                     | -      | -       | X       | X       |
| 0508          | PHMA                     | -      | X       | X       | X       |
| 0534          | PHMA                     | -      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 0539          | PHMA                     | X      | X       | X       | X       |
| 0540          | PHMA                     | X      | X       | X       | X       |
| 0554          | PHMA                     | -      | X       | X       | X       |
| 0559          | PHMA                     | -      | -       | X       | X       |
| 0562          | PHMA                     | -      | X       | X       | X       |
| 0563          | PHMA                     | -      | X       | X       | X       |
| 0564          | PHMA                     | X      | X       | X       | X       |
| 0567          | PHMA                     | X      | X       | X       | X       |
| 0568          | PHMA                     | X      | X       | X       | X       |
| 0569          | PHMA                     | -      | X       | X       | X       |
| 0570          | PHMA                     | -      | X       | X       | X       |
| 0575          | PHMA                     | X      | X       | X       | X       |
| 0594          | PHMA                     | -      | X       | X       | X       |
| 0597          | PHMA                     | -      | X       | X       | X       |
| 0606          | PHMA                     | -      | -       | -       | -       |
| 0608          | PHMA                     | -      | X       | X       | X       |
| 0632          | PHMA                     | -      | X       | X       | X       |
| 0640          | PHMA                     | X      | X       | X       | X       |
| 0648          | PHMA                     | -      | -       | X       | X       |
| 0695          | PHMA                     | X      | X       | X       | X       |
| 0697          | PHMA                     | X      | X       | X       | X       |
| 0698          | PHMA                     | -      | -       | -       | X       |
| 0701          | PHMA                     | -      | -       | -       | -       |
| 0708          | PHMA                     | X      | X       | X       | X       |
| 0711          | PHMA                     | -      | X       | X       | X       |
| 0712          | PHMA                     | -      | X       | X       | X       |
| 0714          | PHMA                     | -      | X       | X       | X       |
| 0755          | PHMA                     | -      | -       | X       | X       |
| 0774          | PHMA                     | -      | -       | X       | X       |
| 0775          | PHMA                     | -      | -       | X       | X       |
| 0776          | PHMA                     | -      | -       | X       | X       |
| 0777          | PHMA                     | X      | X       | X       | X       |
| 0778          | PHMA                     | X      | X       | X       | X       |
| 0779          | PHMA                     | X      | X       | X       | X       |
| 0788          | PHMA                     | X      | X       | X       | X       |
| 0790          | PHMA                     | X      | X       | X       | X       |
| 0791          | PHMA                     | X      | X       | X       | X       |
| 0794          | PHMA                     | -      | X       | X       | X       |
| 0798          | PHMA                     | X      | X       | X       | X       |
| 0799          | PHMA                     | X      | X       | X       | X       |
| 0801          | PHMA                     | X      | X       | X       | X       |
| 0803          | PHMA                     | -      | X       | X       | X       |
| 0805          | PHMA                     | X      | X       | X       | X       |
| 0806          | PHMA                     | X      | X       | X       | X       |
| 0807          | PHMA                     | X      | X       | X       | X       |
| 0809          | PHMA                     | X      | X       | X       | X       |
| 0810          | PHMA                     | X      | X       | X       | X       |
| 0812          | PHMA                     | -      | -       | -       | -       |
| 0813          | PHMA                     | -      | -       | -       | -       |
| 0814          | PHMA                     | X      | X       | X       | X       |
| 0815          | PHMA                     | -      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 0816          | PHMA                     | -      | -       | -       | X       |
| 0861          | PHMA                     | -      | X       | X       | X       |
| 0862          | GHMA                     | -      | -       | -       | -       |
| 0864          | PHMA                     | -      | X       | X       | X       |
| 0865          | PHMA                     | X      | X       | X       | X       |
| 0866          | PHMA                     | -      | -       | X       | X       |
| 0868          | PHMA                     | X      | X       | X       | X       |
| 0869          | GHMA                     | -      | X       | X       | X       |
| 0870          | GHMA                     | -      | X       | X       | X       |
| 0875          | GHMA                     | -      | -       | -       | -       |
| 0876          | PHMA                     | X      | X       | X       | X       |
| 0878          | GHMA                     | -      | X       | X       | X       |
| 0881          | PHMA                     | -      | -       | -       | -       |
| 0882          | GHMA                     | -      | -       | X       | X       |
| 0885          | PHMA                     | X      | X       | X       | X       |
| 0886          | GHMA                     | -      | -       | -       | -       |
| 0890          | PHMA                     | X      | X       | X       | X       |
| 0895          | PHMA                     | -      | -       | -       | X       |
| 0903          | PHMA                     | -      | -       | -       | -       |
| 0904          | GHMA                     | -      | X       | X       | X       |
| 0911          | GHMA                     | -      | X       | X       | X       |
| 0918          | GHMA                     | -      | X       | X       | X       |
| 0923          | PHMA                     | X      | X       | X       | X       |
| 0924          | GHMA                     | -      | -       | X       | X       |
| 0932          | GHMA                     | X      | X       | X       | X       |
| 0934          | GHMA                     | -      | -       | X       | X       |
| 0935          | PHMA                     | -      | -       | X       | X       |
| 0936          | PHMA                     | -      | -       | X       | X       |
| 0937          | GHMA                     | -      | X       | X       | X       |
| 0938          | Non                      | -      | -       | -       | -       |
| 0939          | GHMA                     | -      | -       | -       | -       |
| 0940          | GHMA                     | -      | -       | -       | -       |
| 0942          | GHMA                     | -      | -       | -       | X       |
| 0943          | GHMA                     | -      | X       | X       | X       |
| 0945          | GHMA                     | -      | -       | -       | -       |
| 0946          | GHMA                     | -      | -       | -       | -       |
| 0947          | GHMA                     | -      | -       | -       | -       |
| 0948          | GHMA                     | -      | -       | -       | -       |
| 0950          | GHMA                     | -      | -       | -       | X       |
| 0953          | GHMA                     | -      | -       | -       | X       |
| 0955          | GHMA                     | -      | -       | X       | X       |
| 0958          | GHMA                     | X      | X       | X       | X       |
| 0960          | GHMA                     | X      | X       | X       | X       |
| 0961          | GHMA                     | -      | X       | X       | X       |
| 0966          | GHMA                     | -      | -       | X       | X       |
| 0967          | GHMA                     | -      | X       | X       | X       |
| 0968          | GHMA                     | X      | X       | X       | X       |
| 0971          | GHMA                     | -      | -       | -       | -       |
| 0973          | GHMA                     | -      | -       | -       | -       |
| 0974          | GHMA                     | -      | X       | X       | X       |
| 0977          | GHMA                     | -      | -       | -       | -       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 0978          | GHMA                     | -      | X       | X       | X       |
| 0979          | GHMA                     | X      | X       | X       | X       |
| 0983          | GHMA                     | -      | -       | -       | -       |
| 0985          | PHMA                     | -      | X       | X       | X       |
| 0986          | GHMA                     | -      | -       | X       | X       |
| 0988          | PHMA                     | -      | -       | -       | -       |
| 1017          | PHMA                     | X      | X       | X       | X       |
| 1018          | GHMA                     | -      | -       | X       | X       |
| 1023          | GHMA                     | -      | -       | X       | X       |
| 1025          | GHMA                     | -      | -       | -       | X       |
| 1032          | GHMA                     | -      | -       | -       | X       |
| 1033          | GHMA                     | -      | -       | X       | X       |
| 1034          | PHMA                     | -      | X       | X       | X       |
| 1036          | GHMA                     | -      | -       | -       | X       |
| 1037          | PHMA                     | -      | -       | -       | -       |
| 1038          | PHMA                     | -      | -       | -       | -       |
| 1043          | GHMA                     | -      | -       | X       | X       |
| 1049          | PHMA                     | X      | X       | X       | X       |
| 1050          | PHMA                     | -      | -       | -       | X       |
| 1054          | GHMA                     | -      | -       | X       | X       |
| 1057          | PHMA                     | X      | X       | X       | X       |
| 1059          | PHMA                     | -      | X       | X       | X       |
| 1062          | PHMA                     | X      | X       | X       | X       |
| 1063          | PHMA                     | -      | X       | X       | X       |
| 1064          | PHMA                     | X      | X       | X       | X       |
| 1065          | PHMA                     | -      | X       | X       | X       |
| 1066          | PHMA                     | X      | X       | X       | X       |
| 1073          | PHMA                     | X      | X       | X       | X       |
| 1074          | GHMA                     | -      | -       | -       | -       |
| 1076          | GHMA                     | -      | -       | -       | -       |
| 1077          | GHMA                     | -      | -       | -       | -       |
| 1079          | PHMA                     | X      | X       | X       | X       |
| 1081          | GHMA                     | -      | -       | -       | -       |
| 1083          | GHMA                     | -      | -       | X       | X       |
| 1086          | GHMA                     | -      | -       | -       | -       |
| 1091          | Non                      | -      | -       | -       | -       |
| 1093          | PHMA                     | X      | X       | X       | X       |
| 1096          | GHMA                     | -      | -       | -       | -       |
| 1097          | GHMA                     | -      | -       | -       | -       |
| 1100          | PHMA                     | -      | -       | -       | -       |
| 1101          | PHMA                     | -      | -       | -       | -       |
| 1107          | GHMA                     | -      | -       | -       | X       |
| 1110          | GHMA                     | -      | -       | -       | -       |
| 1113          | Non                      | -      | -       | -       | X       |
| 1114          | GHMA                     | -      | X       | X       | X       |
| 1115          | PHMA                     | -      | X       | X       | X       |
| 1123          | PHMA                     | X      | X       | X       | X       |
| 1124          | PHMA                     | X      | X       | X       | X       |
| 1129          | PHMA                     | X      | X       | X       | X       |
| 1130          | GHMA                     | -      | -       | -       | -       |
| 1131          | GHMA                     | -      | -       | -       | X       |



| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 1132          | GHMA                     | -      | -       | -       | -       |
| 1142          | PHMA                     | -      | X       | X       | X       |
| 1143          | PHMA                     | -      | X       | X       | X       |
| 1144          | PHMA                     | -      | -       | X       | X       |
| 1145          | PHMA                     | -      | -       | X       | X       |
| 1146          | PHMA                     | -      | X       | X       | X       |
| 1151          | GHMA                     | -      | -       | -       | -       |
| 1152          | GHMA                     | -      | -       | -       | -       |
| 1154          | GHMA                     | -      | -       | -       | -       |
| 1156          | GHMA                     | -      | X       | X       | X       |
| 1157          | GHMA                     | -      | -       | -       | X       |
| 1158          | GHMA                     | -      | -       | -       | -       |
| 1159          | GHMA                     | -      | -       | -       | -       |
| 1160          | GHMA                     | -      | -       | -       | -       |
| 1162          | PHMA                     | -      | -       | -       | -       |
| 1183          | GHMA                     | X      | X       | X       | X       |
| 1184          | PHMA                     | -      | X       | X       | X       |
| 1185          | PHMA                     | -      | -       | X       | X       |
| 1186          | PHMA                     | X      | X       | X       | X       |
| 1187          | PHMA                     | X      | X       | X       | X       |
| 1188          | GHMA                     | -      | -       | -       | -       |
| 1189          | DEL/PHMA                 | X      | X       | X       | X       |
| 1190          | PHMA                     | X      | X       | X       | X       |
| 1197          | GHMA                     | -      | -       | X       | X       |
| 1201          | GHMA                     | -      | -       | -       | X       |
| 1202          | PHMA                     | X      | X       | X       | X       |
| 1203          | GHMA                     | -      | -       | -       | -       |
| 1205          | PHMA                     | -      | X       | X       | X       |
| 1207          | PHMA                     | -      | X       | X       | X       |
| 1208          | GHMA                     | -      | -       | -       | -       |
| 1209          | PHMA                     | X      | X       | X       | X       |
| 1210          | GHMA                     | -      | -       | X       | X       |
| 1211          | PHMA                     | X      | X       | X       | X       |
| 1212          | GHMA                     | -      | -       | -       | X       |
| 1213          | GHMA                     | -      | -       | -       | -       |
| 1214          | PHMA                     | -      | X       | X       | X       |
| 1215          | PHMA                     | X      | X       | X       | X       |
| 1216          | PHMA                     | -      | X       | X       | X       |
| 1219          | GHMA                     | X      | X       | X       | X       |
| 1221          | GHMA                     | -      | X       | X       | X       |
| 1222          | GHMA                     | -      | -       | -       | X       |
| 1223          | GHMA                     | X      | X       | X       | X       |
| 1224          | GHMA                     | X      | X       | X       | X       |
| 1225          | GHMA                     | -      | X       | X       | X       |
| 1226          | GHMA                     | X      | X       | X       | X       |
| 1227          | GHMA                     | -      | X       | X       | X       |
| 1229          | PHMA                     | -      | X       | X       | X       |
| 1230          | GHMA                     | -      | X       | X       | X       |
| 1231          | PHMA                     | X      | X       | X       | X       |
| 1234          | GHMA                     | -      | X       | X       | X       |
| 1235          | PHMA                     | X      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 1236          | PHMA                     | -      | X       | X       | X       |
| 1237          | PHMA                     | X      | X       | X       | X       |
| 1239          | PHMA                     | X      | X       | X       | X       |
| 1240          | DELETE                   | -      | X       | X       | X       |
| 1241          | PHMA                     | X      | X       | X       | X       |
| 1242          | GHMA                     | -      | -       | X       | X       |
| 1243          | PHMA                     | -      | X       | X       | X       |
| 1244          | PHMA                     | -      | X       | X       | X       |
| 1245          | PHMA                     | X      | X       | X       | X       |
| 1246          | PHMA                     | -      | X       | X       | X       |
| 1247          | GHMA                     | -      | X       | X       | X       |
| 1248          | PHMA                     | X      | X       | X       | X       |
| 1249          | PHMA                     | X      | X       | X       | X       |
| 1250          | PHMA                     | X      | X       | X       | X       |
| 1251          | PHMA                     | -      | X       | X       | X       |
| 1252          | PHMA                     | X      | X       | X       | X       |
| 1253          | PHMA                     | X      | X       | X       | X       |
| 1259          | PHMA                     | X      | X       | X       | X       |
| 1261          | GHMA                     | -      | -       | -       | X       |
| 1262          | GHMA                     | -      | -       | -       | -       |
| 1263          | PHMA                     | -      | -       | X       | X       |
| 1264          | PHMA                     | -      | -       | X       | X       |
| 1265          | PHMA                     | -      | -       | X       | X       |
| 1266          | PHMA                     | -      | -       | X       | X       |
| 1267          | GHMA                     | -      | X       | X       | X       |
| 1268          | PHMA                     | -      | X       | X       | X       |
| 1269          | DELETE                   | -      | X       | X       | X       |
| 1270          | PHMA                     | -      | X       | X       | X       |
| 1271          | DELETE                   | -      | X       | X       | X       |
| 1272          | PHMA                     | -      | -       | X       | X       |
| 1273          | PHMA                     | -      | -       | X       | X       |
| 1274          | GHMA                     | X      | X       | X       | X       |
| 1276          | GHMA                     | -      | X       | X       | X       |
| 1277          | GHMA                     | -      | -       | X       | X       |
| 1314          | PHMA                     | -      | -       | -       | -       |
| 1316          | PHMA                     | -      | -       | -       | -       |
| 6731          | PHMA                     | -      | -       | -       | -       |
| 6743          | PHMA                     | -      | -       | X       | X       |
| 6744          | PHMA                     | -      | -       | -       | X       |
| 6758          | PHMA                     | -      | X       | X       | X       |
| 6782          | PHMA                     | X      | X       | X       | X       |
| 6783          | PHMA                     | -      | X       | X       | X       |
| 6784          | PHMA                     | X      | X       | X       | X       |
| 6787          | PHMA                     | X      | X       | X       | X       |
| 6792          | PHMA                     | X      | X       | X       | X       |
| 6793          | PHMA                     | -      | X       | X       | X       |
| 6794          | PHMA                     | X      | X       | X       | X       |
| 6797          | PHMA                     | X      | X       | X       | X       |
| 6799          | PHMA                     | X      | X       | X       | X       |
| 6800          | PHMA                     | -      | X       | X       | X       |
| 6801          | PHMA                     | -      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 6802          | PHMA                     | X      | X       | X       | X       |
| 6803          | PHMA                     | -      | X       | X       | X       |
| 6809          | PHMA                     | X      | X       | X       | X       |
| 6813          | PHMA                     | -      | -       | X       | X       |
| 6820          | PHMA                     | -      | -       | -       | -       |
| 6824          | PHMA                     | -      | -       | -       | X       |
| 6831          | PHMA                     | -      | -       | X       | X       |
| 6834          | PHMA                     | X      | X       | X       | X       |
| 6847          | PHMA                     | -      | -       | X       | X       |
| 6866          | PHMA                     | -      | X       | X       | X       |
| 6885          | PHMA                     | -      | X       | X       | X       |
| 6886          | PHMA                     | X      | X       | X       | X       |
| 6935          | PHMA                     | -      | -       | -       | -       |
| 6936          | PHMA                     | X      | X       | X       | X       |
| 6937          | PHMA                     | -      | X       | X       | X       |
| 6938          | PHMA                     | X      | X       | X       | X       |
| 6940          | PHMA                     | X      | X       | X       | X       |
| 6949          | PHMA                     | X      | X       | X       | X       |
| 6950          | PHMA                     | X      | X       | X       | X       |
| 6951          | PHMA                     | X      | X       | X       | X       |
| 6952          | PHMA                     | -      | X       | X       | X       |
| 6953          | PHMA                     | -      | -       | -       | -       |
| 6954          | PHMA                     | -      | X       | X       | X       |
| 6955          | PHMA                     | -      | -       | -       | -       |
| 6956          | PHMA                     | -      | -       | -       | -       |
| 6957          | PHMA                     | -      | -       | -       | -       |
| 6958          | PHMA                     | -      | -       | -       | -       |
| 6959          | PHMA                     | -      | X       | X       | X       |
| 6976          | GHMA                     | -      | -       | -       | -       |
| 6977          | GHMA                     | -      | -       | -       | -       |
| 6978          | GHMA                     | -      | X       | X       | X       |
| 6979          | GHMA                     | -      | -       | -       | X       |
| 6981          | GHMA                     | X      | X       | X       | X       |
| 6983          | PHMA                     | -      | X       | X       | X       |
| 6984          | PHMA                     | X      | X       | X       | X       |
| 6985          | GHMA                     | -      | -       | -       | -       |
| 6986          | PHMA                     | X      | X       | X       | X       |
| 6988          | PHMA                     | -      | -       | X       | X       |
| 6990          | PHMA                     | X      | X       | X       | X       |
| 6991          | PHMA                     | -      | -       | -       | X       |
| 6992          | PHMA                     | -      | -       | -       | -       |
| 6995          | GHMA                     | -      | -       | -       | X       |
| 7000          | GHMA                     | -      | X       | X       | X       |
| 7003          | GHMA                     | X      | X       | X       | X       |
| 7008          | GHMA                     | -      | -       | X       | X       |
| 7012          | GHMA                     | -      | -       | -       | -       |
| 7013          | GHMA                     | -      | -       | X       | X       |
| 7014          | PHMA                     | X      | X       | X       | X       |
| 7015          | GHMA                     | -      | -       | X       | X       |
| 7016          | GHMA                     | -      | -       | X       | X       |
| 7017          | PHMA                     | -      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 7018          | GHMA                     | -      | -       | -       | -       |
| 7019          | GHMA                     | -      | -       | -       | -       |
| 7020          | GHMA                     | -      | -       | X       | X       |
| 7021          | GHMA                     | -      | -       | -       | -       |
| 7022          | GHMA                     | -      | -       | -       | -       |
| 7023          | GHMA                     | -      | -       | -       | -       |
| 7024          | GHMA                     | -      | X       | X       | X       |
| 7025          | GHMA                     | -      | -       | -       | X       |
| 7026          | GHMA                     | -      | -       | -       | -       |
| 7027          | GHMA                     | X      | X       | X       | X       |
| 7028          | GHMA                     | X      | X       | X       | X       |
| 7029          | GHMA                     | -      | -       | X       | X       |
| 7030          | GHMA                     | -      | X       | X       | X       |
| 7031          | GHMA                     | -      | -       | X       | X       |
| 7032          | GHMA                     | X      | X       | X       | X       |
| 7033          | GHMA                     | -      | -       | X       | X       |
| 7034          | GHMA                     | -      | -       | -       | X       |
| 7035          | GHMA                     | X      | X       | X       | X       |
| 7036          | Non                      | -      | -       | -       | -       |
| 7037          | PHMA                     | X      | X       | X       | X       |
| 7038          | PHMA                     | X      | X       | X       | X       |
| 7039          | GHMA                     | -      | -       | -       | -       |
| 7040          | PHMA                     | -      | -       | -       | -       |
| 7041          | PHMA                     | X      | X       | X       | X       |
| 7045          | PHMA                     | X      | X       | X       | X       |
| 7047          | PHMA                     | -      | -       | -       | X       |
| 7048          | PHMA                     | -      | X       | X       | X       |
| 7049          | PHMA                     | X      | X       | X       | X       |
| 7050          | PHMA                     | X      | X       | X       | X       |
| 7051          | GHMA                     | -      | X       | X       | X       |
| 7052          | GHMA                     | -      | -       | -       | -       |
| 7053          | GHMA                     | -      | X       | X       | X       |
| 7054          | PHMA                     | X      | X       | X       | X       |
| 7058          | PHMA                     | -      | X       | X       | X       |
| 7059          | Non                      | -      | -       | -       | -       |
| 7060          | GHMA                     | -      | -       | -       | -       |
| 7061          | GHMA                     | -      | -       | -       | X       |
| 7069          | GHMA                     | -      | -       | -       | -       |
| 7070          | GHMA                     | -      | -       | -       | -       |
| 7073          | GHMA                     | -      | -       | -       | -       |
| 7074          | GHMA                     | -      | X       | X       | X       |
| 7075          | GHMA                     | -      | -       | X       | X       |
| 7077          | GHMA                     | -      | -       | X       | X       |
| 7078          | GHMA                     | -      | -       | X       | X       |
| 7079          | GHMA                     | -      | -       | -       | X       |
| 7081          | GHMA                     | -      | -       | X       | X       |
| 7096          | PHMA                     | X      | X       | X       | X       |
| 7097          | PHMA                     | X      | X       | X       | X       |
| 7098          | PHMA                     | X      | X       | X       | X       |
| 7099          | PHMA                     | X      | X       | X       | X       |
| 7100          | GHMA                     | -      | -       | -       | -       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 7103          | GHMA                     | X      | X       | X       | X       |
| 7107          | GHMA                     | -      | -       | -       | -       |
| 7110          | GHMA                     | -      | -       | -       | -       |
| 7111          | GHMA                     | -      | -       | -       | -       |
| 7122          | GHMA                     | X      | X       | X       | X       |
| 7123          | GHMA                     | X      | X       | X       | X       |
| 7124          | Non                      | -      | -       | -       | -       |
| 7125          | PHMA                     | X      | X       | X       | X       |
| 7126          | GHMA                     | -      | -       | -       | X       |
| 7127          | GHMA                     | -      | -       | -       | -       |
| 7128          | PHMA                     | X      | X       | X       | X       |
| 7131          | PHMA                     | -      | -       | -       | X       |
| 7133          | PHMA                     | -      | -       | -       | -       |
| 7134          | GHMA                     | X      | X       | X       | X       |
| 7135          | GHMA                     | X      | X       | X       | X       |
| 7136          | PHMA                     | -      | X       | X       | X       |
| 7137          | PHMA                     | -      | X       | X       | X       |
| 7138          | PHMA                     | -      | X       | X       | X       |
| 7140          | PHMA                     | X      | X       | X       | X       |
| 7141          | PHMA                     | -      | X       | X       | X       |
| 7142          | PHMA                     | -      | -       | X       | X       |
| 7143          | PHMA                     | -      | -       | X       | X       |
| 7145          | GHMA                     | -      | X       | X       | X       |
| 7146          | PHMA                     | -      | X       | X       | X       |
| 7148          | PHMA                     | X      | X       | X       | X       |
| 7149          | GHMA                     | -      | -       | -       | -       |
| 7150          | GHMA                     | -      | -       | -       | -       |
| 7151          | GHMA                     | -      | -       | -       | -       |
| 7152          | GHMA                     | -      | -       | -       | X       |
| 7153          | GHMA                     | -      | -       | -       | -       |
| 7154          | Non                      | -      | -       | -       | -       |
| 7155          | GHMA                     | -      | -       | -       | -       |
| 7157          | Non                      | -      | -       | -       | -       |
| 7158          | GHMA                     | -      | -       | -       | -       |
| 7159          | GHMA                     | -      | -       | -       | -       |
| 7160          | GHMA                     | -      | -       | X       | X       |
| 7163          | PHMA                     | -      | -       | -       | -       |
| 7164          | PHMA                     | -      | X       | X       | X       |
| 7165          | PHMA                     | X      | X       | X       | X       |
| 7166          | PHMA                     | -      | -       | -       | -       |
| 7167          | PHMA                     | -      | -       | -       | -       |
| 7168          | PHMA                     | -      | -       | -       | -       |
| 7169          | GHMA                     | X      | X       | X       | X       |
| 7170          | GHMA                     | -      | -       | -       | -       |
| 7171          | GHMA                     | -      | X       | X       | X       |
| 7173          | GHMA                     | -      | X       | X       | X       |
| 7174          | GHMA                     | -      | X       | X       | X       |
| 7175          | PHMA                     | -      | X       | X       | X       |
| 7176          | PHMA                     | X      | X       | X       | X       |
| 7177          | GHMA                     | -      | X       | X       | X       |
| 7180          | PHMA                     | X      | X       | X       | X       |

| Parcel Number | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------|--------------------------|--------|---------|---------|---------|
| 7181          | PHMA                     | -      | -       | X       | X       |
| 7182          | GHMA                     | -      | -       | X       | X       |
| 7185          | GHMA                     | -      | -       | X       | X       |
| 7186          | PHMA                     | X      | X       | X       | X       |
| 7187          | PHMA                     | -      | -       | -       | -       |
| 7188          | GHMA                     | X      | X       | X       | X       |
| 7189          | GHMA                     | X      | X       | X       | X       |
| 7190          | GHMA                     | -      | X       | X       | X       |
| 7192          | GHMA                     | X      | X       | X       | X       |
| 7193          | GHMA                     | -      | -       | X       | X       |
| 7194          | PHMA                     | -      | X       | X       | X       |
| 7195          | GHMA                     | -      | -       | -       | -       |
| 7197          | PHMA                     | -      | -       | X       | X       |
| 7199          | PHMA                     | -      | X       | X       | X       |
| 7200          | GHMA                     | -      | -       | -       | -       |
| 7202          | PHMA                     | -      | -       | -       | -       |
| 7203          | GHMA                     | -      | -       | -       | -       |
| 7204          | GHMA                     | -      | -       | -       | X       |
| 7205          | GHMA                     | -      | -       | -       | X       |
| 7206          | PHMA                     | -      | -       | -       | -       |
| 7207          | PHMA                     | -      | -       | -       | X       |
| 7210          | PHMA                     | X      | X       | X       | X       |
| 7211          | PHMA                     | X      | X       | X       | X       |
| 7213          | PHMA                     | X      | X       | X       | X       |
| 7214          | GHMA                     | X      | X       | X       | X       |
| 7215          | GHMA                     | -      | -       | -       | -       |
| 7216          | GHMA                     | X      | X       | X       | X       |

Additional lek data can be obtained from the Wyoming Game and Fish Department and in the 2019-2020 Greater Sage-Grouse Job Completion Report, located at: <https://wgfd.wyo.gov/Hunting/Job-Completion-Reports>

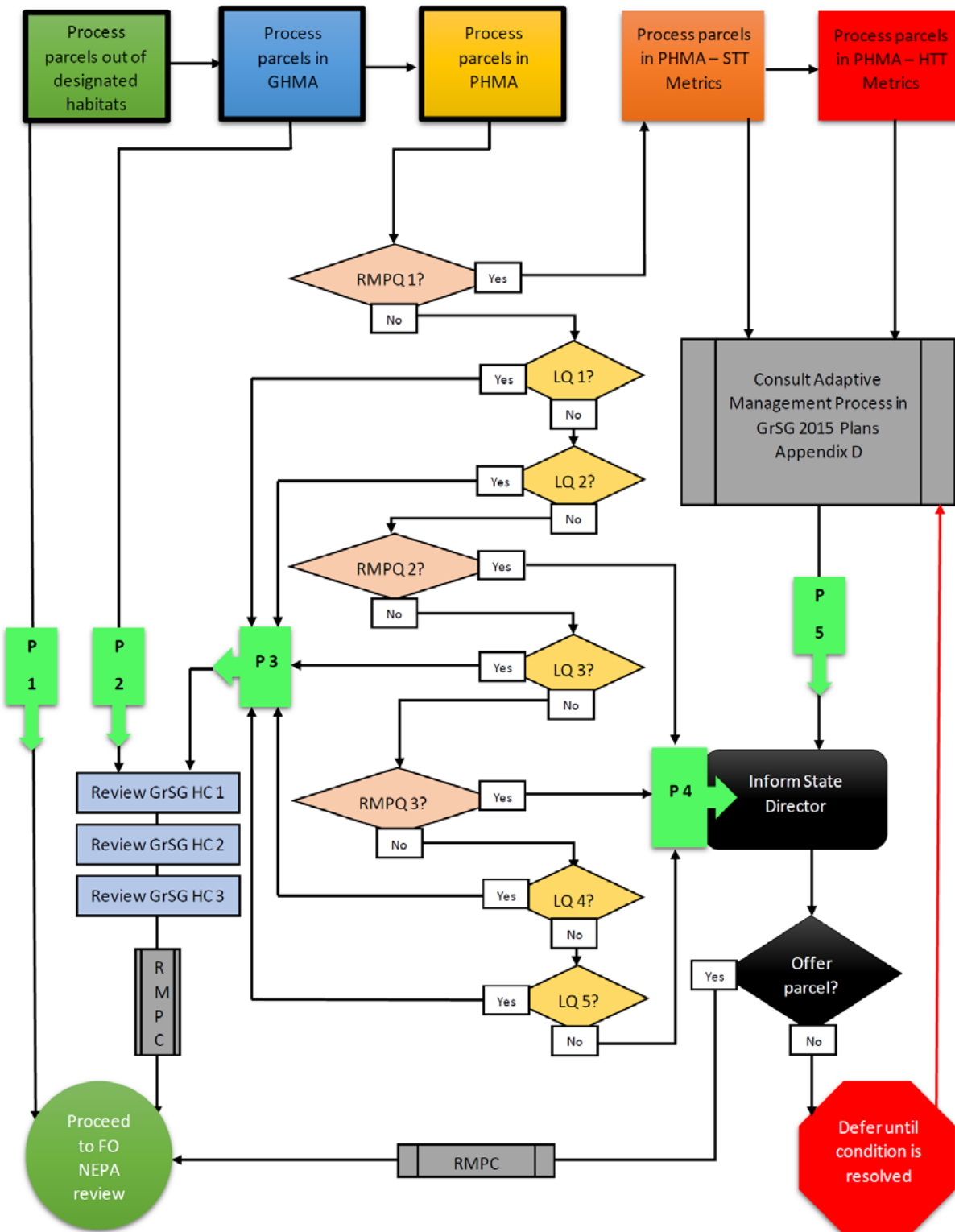
Due to the uncertainties from a lease development standpoint, it is difficult to predict exactly what impacts may occur. However, impacts from development, such as the anticipated noise, permanent and temporary facilities, and traffic, would be similar to those discussed in the individual field office RMP and the 2015 ARMPA.

Under Alternative 3, not offering leases in PHMA would reduce the impacts to sage-grouse or any lek within PHMA. Impacts would still occur to those leks located within GHMA. Those impacts would also be similar to those discussed within each field office RMP and the 2015 ARMPA.

To minimize impacts, all parcels offered in this sale include Standard Lease Notice 3 (see Appendix 4.4.1). Standard Lease Notice 3 indicates that an operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater sage-grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to Drill (APD) on-site and environmental review process. In addition, individual lease stipulations if a lek is located within a certain distance (e.g. Timing Limitation Stipulations [TLS]) or if a lek is located within the parcel itself (e.g. CSU or NSO) are attached to specific parcels as appropriate.

There are approximately 15,854,692 acres of PHMA in the State of Wyoming, which is equivalent to the areas identified as Core Areas under the Governor's Executive Order.. The new rights would be subject to timing limitation stipulations (TLS), and no surface occupancy (NSO) stipulations for sage-grouse leks and habitat (as appropriate) within GHMA. Impacts beyond those analyzed in the underlying RMP FEIS' and the ARMPA FEIS, are not expected due to the continual expiration of existing federal leases whether because they lack production in

paying quantities or are never explored. Additional coordination with WGFD will occur for all projects proposed in Greater Sage-Grouse habitats as determined necessary, and in accordance with the BLM-WGFD interagency MOU.



Refer to the list below when using the flowchart for prioritizing leasing.

#### Prioritization (P) –

The prioritization arrows summarize consideration of parcels in addition to the sequence displayed across the top of the flowchart. The early enhanced review steps within the flowchart allow for categorization of proposed lease parcels into the following five leasing priorities:

**P1** - These parcels receive the highest priority for leasing.

**P2** - These parcels receive the second highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**).

**P3** - These parcels receive the third highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1** and/or **P2**).

**P4** - These parcels receive the fourth highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**, **P2**, and/or **P3**).

**P5** - These parcels receive the lowest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**, **P2**, **P3**, and/or **P4**).

#### Greater Sage-Grouse (GrSG) Habitat Conditions (HC) –

Wyoming State Office staff (WYSO 930) will verify with the appropriate agency that the most current and accurate data layers are available to the Field Offices for the review of these parcels. Current agreements with the Wyoming Game and Fish Department (WGFD) will be followed for utilization of the most current published data. A value assessment of these conditions and the subsequent application of RMP Management Decisions and Lease Stipulations will be addressed within the Leasing EA or during site-specific development proposal NEPA reviews. GrSG HCs within the flowchart refer to three types of potentially changing habitat designation conditions:

**GrSG HC 1** – Verify with the BLM Wyoming Division of Resource Policy and Management (WYSO 930) that the most current PHMA boundaries are utilized.

**GrSG HC 2** – Verify with WYSO 930 that the most current lek location database is utilized.

**GrSG HC 3** – Verify with WYSO 930 that the most current Winter Concentration Area location database is utilized.

#### Resource Management Plan Questions (RMPQ) –

Resource Management Plan Questions within the flowchart address RMP-level population and habitat disturbance/restoration/suitability conditions. The following three questions will provide evaluation considerations to determine prioritization of parcels located within PHMA.

**RMPQ 1** - Discuss the Adaptive Management metrics with WYSO 930 for the PHMA unit containing this parcel.

**RMPQ 2** - Is the parcel within an area of a prioritized restoration project?

**RMPQ 3** - Is the parcel within an allotment that is failing to achieve the land health standards and conform with the guidelines?

#### Leasing Questions (LQ) –

Leasing Questions within the flowchart encourage new development in lands already impacted by development factors. Parcels meeting any of the criteria in these questions are given a higher priority for leasing. Parcels meeting none of the criteria should be considered of lower priority for leasing. The following five questions inform the decision to categorize a parcel as either Priority 3 or Priority 4.

**LQ 1** - Does the parcel lie within an area where law or regulation indicates that offering the lands for leasing is in the government's interest, due to drainage of Federal minerals, 43 CFR § 3162.2-2, or trespass drilling on unleased lands?

**LQ 2** - Is the parcel within an existing Federal oil and gas unit?

**LQ 3** - Is the parcel immediately adjacent or proximate to existing oil and gas leases and development operations or other land use development?

**LQ 4** - Is the parcel within an area with a completed field-development Environmental Impact Statement or Master Leasing Plan that allows for adequate site-specific mitigation and is in conformance with the objectives and provisions in the GrSG Plans?



**LQ 5** - Is the parcel in an area with higher potential for development (for example, considering the oil and gas potential maps developed by the BLM for the GrSG Plans)?

**Resource Management Plan Conditions (RMPC) –**

**RMPC** - Ensure that a decision to lease those lands would conform to the conservation objectives and provisions in the GrSG Plans.

**FO NEPA Review –**

The field office and WGFD staff review the potential parcels and recommends; which lands need to be removed from further consideration (e.g. lands unavailable for lease due to RMP decisions); which lands need to be deferred (potential conflicts that may have arisen); and leasing stipulations based on RMP decisions. The District Offices send a compiled list back to the WSO. The State Director (SD) and the District Managers (DMs) coordinate and discuss the recommendations and concur on which potential parcels, or portions of parcels move forward for analysis and inclusion into the quarterly CLS environmental assessment (EA). The WSO fluid minerals staff prepares the EA and posts it on the ePlanning website for a 30-day public comment period and then makes changes to the EA, if necessary. The WGFD reviews and comments on the EA at this time as well. A State of Wyoming, WGFD, and BLM Wyoming coordination meeting occurs after the comment period closes. Any major conflicts identified are discussed with the SD and Deputy State Director (DSD) for Lands and Minerals (and other staff if determined necessary by the SD) for a decision on whether to delete, defer or move the parcel forward. The public comments and responses are then posted on ePlanning at the same time the Sale Notice is posted for a 30-day protest period. After the 30-day protest period, the fluid minerals staff reviews the protests and prepares responses. At any point in the review process, parcels or portions of parcels, in addition to those identified through this prioritization process, may be deleted or deferred.

### **3.6 Big Game**

General information regarding wildlife species and impacts in the subject planning areas can be found at the following locations within the respective Field Office's RMP (see section 1.4)

#### **Big Game Herd Units**

The distribution and abundance of big game in the planning area are primarily a function of habitat quality and quantity, the availability of water, climate/weather, and the ability to move, or migrate between seasonal habitats.

The WGFD manages big game populations in herd units (HU). Herd unit boundaries generally do not match BLM field office boundaries, making analysis and correlation of resource data and big game population data difficult. The WGFD revises its population objectives for each big game species based on new habitat information, population trends, recreation demand, and public input.

The health of big game populations are generally inferred from population objectives set by the WGFD. Based on their monitoring, population objectives of mule deer and pronghorn range greatly across the State. According to the WGFD's 2020 Job Completion Reports, pronghorn hunt areas population objectives range between 52.2% above to 60.6% below objective.

#### ***Mule Deer***

Of the parcels evaluated, the vast majority are located in the following HU's: Cheyenne River (88, 3 parcels shared with Black Hills), Sublette (83, 3 parcels are shared with Wyoming Range), and Powder River (66), Chain Lakes (37, 3 shared with Sweetwater and 1 shared with Ferris), and Wyoming Range (25, 3 parcels shared with Sublette). See Table 28 below for a list of HUs and parcel descriptions.

In general, the HUs that are located in HPD which are below population objective are predominantly privately owned. Major land uses in these HUs are traditional ranching and grazing with oil and gas and coal development. Periodic disease outbreaks (i.e. hemorrhagic diseases) are possible in some of these HUs and can contribute to population declines when environmental conditions are suitable. Similarly, the HUs in the WR/BBD that are below population objective have periodic disease outbreaks. In addition, the WR/BBD HUs have been subject to periods of drought which have helped depress populations. Scattered oil and gas development occurs throughout the WR/BBD HUs.

With the exception of the Baggs Herd Unit, the herd units in the HDD have not been meeting population objectives for several years. For example, the Sublette mule deer herd unit was negatively affected by harsh winter conditions and subsequent die off along with 100% fawn mortality in isolated areas, during the winter of 2016-2017. This herd was similarly affected by harsh winter conditions in 2010-2011 that was likely exacerbated by sustained drought conditions for most of the 2000's. These conditions were in addition to intense oil and gas development on the Pinedale Anticline; exceptions for crucial winter range timing limitations were initially authorized in 2005. And were made permanently available for the life of the project in accordance with the Pinedale Anticline ROD. The vast majority of the Mesa within the northern Pinedale Anticline field is within crucial winter range for Mule Deer. See ARMPA pages 4-423- 4-425 for a discussion of research results emanating from studying this herd during a period of intensive development. Recent data suggests that while these initial study results were accurate, to date, mule deer are not habituating even as large parts of the field are being reclaimed. To date, the PFO has not recommended any changes through the adaptive management process for this project. Additional study and coordination with the WGFD and local partners, is continuing.

But, as noted in the Pinedale RMP DEIS, pg. 146 (1986): "Mule deer populations in the planning area have a history of severe fluctuation. Most of the drastic population declines are attributable to severe winter conditions. Mortality may reach 30-50 percent of the population under certain conditions." Historic information regarding population objectives and estimated populations can be found in these documents: (Pinedale RMP DEIS, pg. 144 (1986), Green River RMP DEIS pg. 427 (1992), and the Medicine Bow DEIS RMP pg. 197-199 (1987). Further information can also be found in the Baggs Mule Deer Crucial Winter Range Analysis Report (WGFD, 1994) and the WGFD Job Completion Reports at: <https://wgfd.wyo.gov/Hunting/Job-Completion-Reports>).

The Wyoming Range Mule Deer Herd has experienced challenges similar to those observed in the Sublette Herd. Most notably, the 2016, 2017 and 2018 WGFD Jackson Region Job Completion Reports (JCRs) indicate that, "Sustained population growth has been difficult because of the frequency of high overwinter mortality every 3 years on crucial winter ranges, low vigor and productivity of important winter range browse, and reduced fawn survival and recruitment. In March 2013, the Wyoming Range Mule Deer Project was launched. The overall goal of this project is to address important research and management needs identified by the Wyoming Mule Deer Initiative and Wyoming Range Mule Deer Initiative. An important aspect of this research is to investigate relationships between mule deer population dynamics, energy development and disturbance, habitat conditions and climate to provide a mechanistic approach to monitoring and management of mule deer (Appendix A)" Appendix D, in the 2016 Jackson Region JCR (pg. 34) indicates the annual fawn survival for most mule deer populations is often lower than adult survival, and it is not uncommon for less than half of the fawns born in June to make it through their first year of life. In the first year of research evaluating survival of fawns, 45% of fawns born in summer 2015 survived until June 2016; only 17% of annual mortalities occurred during winter. Unfortunately, survival of fawns born in summer 2016 tells a much different story. As of March 5, 2017, only one of the 70 fawns tracked was still alive – which equates to a 99% mortality of fawns.

Table 3.29: Alternative 2 (Proposed Action) Mule Deer Herd Units

| DISTRICT OFFICE | FIELD OFFICE | HERD UNIT   | WGFD 2020 Population Objective | WGFD Population Estimate, 2020 | Status meeting Objective | # Parcels within | # Overlap                        |
|-----------------|--------------|-------------|--------------------------------|--------------------------------|--------------------------|------------------|----------------------------------|
| HDD             | RFO          | Baggs       | 19,000                         | 20,642                         | 8.6% Above               | 7                |                                  |
| WR/BBD          | WFO          | Basin       | 3,600                          | 1,867                          | 41.3% below              | 16               | 2 overlap with Greybull River    |
| HPD, WR/BBD     | LFO          | Beaver Rim  | N/A                            | N/A                            | 54% below                | 2                | 2 overlap with Southwest Bighorn |
| HPD             | NFO          | Black Hills | 30,000                         | 23,159                         | 22.8% below              | 1                | 3 overlap with                   |

| DISTRICT OFFICE  | FIELD OFFICE  | HERD UNIT           | WGFD 2020 Population Objective | WGFD Population Estimate, 2020 | Status meeting Objective | # Parcels within | # Overlap   |
|------------------|---------------|---------------------|--------------------------------|--------------------------------|--------------------------|------------------|---|
|                  |               |                     |                                |                                |                          |                  | Cheyenne River                                    |
| HDD, WR/BBD      | RFO, LFO      | Chain Lakes         | N/A                            | N/A                            | N/A                      | 37               | 3 Overlap with Sweetwater, 1 overlaps with Ferris |
| HPD              | NFO, BFO, CFO | Cheyenne River      | 27,000                         | 22,543                         | 16.5% Below              | 88               | 3 overlap with Black Hills                        |
| WR/BBD           | CyFO          | Clark's Fork        | 5,000                          | 2,800                          | 44% below                | 1                |   |
| HDD, HPD, WR/BBD | RFO           | Ferris              | 3,700                          | 1,450                          | 60.8% below              |                  | 1 overlaps with Chain Lakes                       |
| HDD, HPD         | RFO           | Goshen Rim          | 20,000                         | 10,160                         | 49.2% below              | 3                |   |
| WR/BBD           | CyFO, WFO     | Greybull River      | 4,000                          | 2,412                          | 39.7% below              | 12               | 2 overlap with Basin                              |
| HPD              | CFO           | North Converse      | 9,000                          | 6,901                          | 23.3% Below              | 8                |   |
| HPD              | CFO           | North Natrona       | 4,700                          | 3,851                          | 18.1% Below              | 6                |   |
| WR/BBD           | CyFO          | Owl Creek/Meeteetse | 5,000                          | 4,630                          | 7.4% below               | 7                |   |
| WR/BBD           | WFO           | Paintrock           | 11,000                         | 6,344                          | 42.3% below              | 2                |   |
| HDD              | RFO           | Platte Valley       | 16,000                         | 12,950                         | 19.1% below              | 5                |   |
| HPD              | BFO, NFO      | Powder River        | 45,000                         | 34,050                         | 24.3% below              | 66               |   |
| HPD              | BFO           | Pumpkin Buttes      | 13,000                         | 14,363                         | 10.5% Above              | 2                |   |
| HPD, WR/BBD      | CFO           | Rattlesnake         | 5,500                          | 2,769                          | 49.7% below              | 4                |   |
| HDD              | RFO           | Sheep Mountain      | 10,000                         | 7,600                          | 24% below                | 1                |   |
| HDD, HPD         | CFO           | South Converse      | 12,000                         | 5,243                          | 56.3% below              | 5                |   |
| HDD              | RSFO          | South Rock Springs  | 8,500                          | 2,850                          | 66.5% below              | 12               |   |

| DISTRICT OFFICE | FIELD OFFICE   | HERD UNIT          | WGFD 2020 Population Objective | WGFD Population Estimate, 2020 | Status meeting Objective | # Parcels within | # Overlap                    |
|-----------------|----------------|--------------------|--------------------------------|--------------------------------|--------------------------|------------------|------------------------------|
| HPD, WR/BBD     | LFO, RSFO, WFO | Southwest Bighorn  | 16,000                         | 11,514                         | 28.0% Below              | 8                | 2 overlap with Beaver Rim    |
| HDD, WR/BBD     | PFO, RSFO      | Sublette           | 32,000                         | 21,103                         | 34.1% Below              | 87               | 3 overlap with Wyoming Range |
| HDD, WR/BBD     | RFO, LFO       | Sweetwater         | 4,500                          | 3,628                          | 19.4% below              | 20               | 3 overlap with Chain Lakes   |
| HDD             | KFO, RSFO      | Uinta              | 20,000                         | 11,237                         | 43.8% below              | 20               |                              |
| HPD             | BFO            | Upper Powder River | 18,000                         | 7,693                          | 57.3% below              | 1                |                              |
| HDD             | KFO, PFO       | Wyoming Range      | 40,000                         | 28,850                         | 27.9% Below              | 25               | 3 overlap with Sublette      |

#### *Crucial Winter Range*

Of the parcels evaluated, sixty eight (68) contain approximately 50,944.63 acres of mule deer crucial winter range (CWR). Attachment 6.1 show the locations of nominated parcels in respect to CWR.

One hundred twenty four (124) of the evaluated parcels, whole or in part, contain pronghorn antelope crucial winter range (approximately 145,977.09 acres). An additional fifty (50) parcels evaluated, whole or in part, intersect elk crucial winter range (approximately 42,442.96 acres). Twenty one (21) parcels evaluated, whole or in part, intersect elk managed parturition habitat (approximately 5,672.22 acres). None of the nominated parcels are within elk feed grounds.

#### *Migration Corridors*

Research into the movements of mule deer in large numbers and at seasonal transition times, has resulted in the formal identification of migratory pathways resulting in the identification of State-recognized corridors.

As discussed in the WGFD's UNGULATE MIGRATION CORRIDOR STRATEGY (February 4, 2016): Sawyer and Kauffman (2011) found that approximately 95% of the migratory period is spent foraging at stopover areas. Habitat quality is higher in stopover habitat than in the area between stopover sites. In this study, deer used the same stopover areas between years during all migratory periods. Avoidance of disturbance on and around stopover areas was important to migrating ungulates while disturbance in the areas between stopover areas was tolerated.

Lendrum et al. (2012) and Sawyer et al. (2013) found that given an increase in disturbance, ungulates may modify the timing of migration, constrict the size of the area used for migration and move through areas of increased development faster. Changing the timing of migration or moving from one seasonal range to another faster (e.g., winter range to summer range) results in the loss of synchronization between plant green-up and ungulate movements thereby reducing energy intake (Sawyer and Kauffman 2011). Both Lendrum et al. (2012) and Sawyer et al. (2013) found correlations between disturbance levels and measurable changes in animal response as indicated by their movement rate and locations. Sawyer et al. (2013) found ungulates moved through disturbed areas faster, detoured around disturbance, and reduced their use of stopover areas, thus constricting their migration both temporally and spatially. Importantly, both studies recommended keeping the standard for allowable disturbance within migration corridors below the level of detected impact. (@ page 3: [https://wgfd.wyo.gov/WGFD/media/content/PDF/Habitat/Habitat%20Information/Ungulate-Migration-Corridor-Strategy\\_Final\\_020416.pdf](https://wgfd.wyo.gov/WGFD/media/content/PDF/Habitat/Habitat%20Information/Ungulate-Migration-Corridor-Strategy_Final_020416.pdf), accessed 2/9/19)

This same document (at 4) also noted:

*It is also important to understand that migratory behavior can be lost (Bolger et al. 2008, Harris et al. 2009) and loss of the ability to migrate has led to sudden and dramatic declines in animal populations (Bolger et al. 2008). Migration is a learned behavior that may be difficult to reestablish once lost or diminished (Sawyer et al. 2013).*

Acting under this strategy, the State of Wyoming has developed new methods for mapping these migration corridors and stopover areas. As a result of these new methods, the first mule deer migration corridor (MDC) designated was the Red Desert to Hoback (RD2H) which occurred on December 5, 2016. The Red Desert to Hoback corridor is the longest mule deer migration route ever recorded in the lower 48 states (WGFD, <https://wgfd.wyo.gov/News/Infrastructure-improvement-made-on-open-range-to-h>, accessed 2/9/2018).

New research data has also been produced as a result of these efforts. This research has provided a finer level of understanding into where migrating mule deer spend the most time (stopovers) during migration, where there are existing barriers or bottlenecks that constrict movement along the corridor. Other research has suggested that the vegetation within the corridors may be extensively used as forage by the herd as they migrate between winter and summer habitats, twice a year.

Other new research suggests that migratory behavior must be learned. The loss of corridor function is known to cause a migratory population to forget their migratory behavior under the most extreme of circumstances, including knowledge of where the main route is in the landscape. Questions remain regarding why corridors are where they are.

During initial coordination with the WGFD and during preparation of this EA, the BLM and WGFD discussed proposed lease sale parcels located in areas with the State of Wyoming-designated mule deer migration corridors. This initial coordination resulted in identification of thirty-seven (44) parcels that were wholly or partially within the corridors. WGFD also requested a 'Special Lease Notice' be attached to these parcels; BLM has subsequently attached the subject Special Lease Notice to these parcels. The special lease notice can be located on each subject parcel in Appendix 4.1 and the general Special Lease Notice language in Appendix 4.1.1.

The WGFD has identified additional priority migration corridors for mule deer herd units in Wyoming. Other areas under review by the WGFD but are not designated include Wyoming Range and Dubois. The WGFD has collected mule deer movement data to some degree in each of these areas and are currently working with stakeholders and agency personnel to identify related research and proactive conservation actions that are geared toward conserving habitats in each of these herd areas.

The WGFD has also identified two research priorities in Wyoming including the Carter Mountain pronghorn herd and the Powder River/Pumpkin Buttes mule deer herds. "The Carter Mountain Pronghorn herd traverses several State Highways in an area locally known as Antelope Alley. Wildlife/vehicle collisions are a concern and managers would like to document fine scale movement patterns and begin working on conservation measures for this pronghorn population. Mule deer in the Powder River/Pumpkin Buttes herds cross Interstate 90. Current knowledge regarding movements for this mule deer herd is based on general field observations and wildlife/vehicle collision data."

The Sublette pronghorn herd has also been identified for further analysis; the BLM and WGFD continue to fund research into big game behavior as a result of development occurring within the Pinedale and Rawlins field offices. There is no other new information regarding pronghorn or other big game species in the subject field offices.

Information regarding impacts expected from development to big game and big game habitats, including Crucial Winter Range and Migration, can be found in the respective offices RMP. Migration of big game were specific issues raised by the public and addressed in the Pinedale and Rawlins RMP EIS development process. Migration was also a specific consideration in the Green River RMP EIS.

Offering parcels in Mule Deer, Pronghorn or Elk CWR is not expected to result in new impacts beyond those identified in the base RMPs cited above. Development on these parcels could contribute to additional habitat fragmentation, activity, and noise; depending upon the proposal and status of existing development if/where present, and the level of activity. Introduction of weeds, invasive, noxious, or invasive annuals, can result in establishment of

populations. These new species or populations can outcompete native vegetation degrading the quality of big game habitat up to decreasing the carrying capacity of the land which can then cause loss of genetic viability if sustained over long periods of time.

Development of parcels located in big game habitats can result in negative impacts. Whether occurring in a movement corridor or in other seasonal habitats, oil and gas related disturbance can result in force wildlife populations to shifting their foraging or reproductive behaviors from utilizing high quality habitat to areas of lower quality, less desirable habitat. Abandonment of important habitat can lower reproduction and survival rates of the species and result in a decline in wildlife populations.” (ARMPA, 4-426) Over utilization can occur as a result, further limiting the productive nature of the land and sustaining the population at hand. The effects can be more pronounced when additional restrictions on access occurs either through fences or other man-made intrusions, other land uses are competing for the same range resources, or when conditions such as drought or other climatic occurrences, affect growth and/or vegetation regeneration rates, including fire (Rawlins RMP 4-455, 4-456).

While multiple, overlapping timing stipulations can provide benefit to wildlife resources by preventing sustained disruptive activity, the Pinedale RMP FEIS, p 4-60 (2006), also notes “[W]hen areas with greater sage-grouse nesting restrictions overlap areas with big game crucial winter range restrictions, the oil and gas operator would potentially be restricted to a 3-and-a-half-month construction, drilling, and well completion season. This short drilling and development window in areas such as the Pinedale Anticline has led to accelerated operations, which results in congested traffic on primary access roads and a potential overload on local service and emergency resources. It also causes a yearly bust-and-boom cycle for the local communities as crews move in during the open development window then leave when the seasonal restrictions are invoked.” This situation can be exacerbated when lease development is further reduced by other seasonal restrictions, including those for raptors.

For the Sublette mule deer herd unit, twenty one (21) of the eighty-seven (87) parcels contain crucial winter range and are proposed for the March sale. Winter survival, habitat condition and quality on winter ranges, and habitat loss from development (industrial and residential) are the primary issues influencing this herd. In the past ten years this herd has experienced three winters with above average fawn mortality. Gas field development associated with the Pinedale Anticline overlaps crucial winter range located on the Mesa, resulting in less forage available for wintering deer within and adjacent to development. All proposed parcel are located outside of oil and gas field project (EIS) areas.

Twenty-five (25) whole parcels are located within the Wyoming Range HU. These parcel contains approximately 2,095.91 acres of mule deer CWR. Development, if any, in this parcel is expected to be mostly exploratory. Impacts from development are anticipated but are not are not expected to continue to be the driving factors affecting the in ability of this herd to grow and meet the expectation of the public.

#### Migration Corridors

There would be minimal impacts to Migration Corridors from the proposed action; impacts from nearby development on Federal and/or non-Federal lands could increase the pace of movement by herds through the corridor depending upon the intensity and timing of nearby operations (see Appendix 4.1). Table 3.30 (below) indicates how many acres of crucial winter range are located within each parcel, along with which parcels are within specific designated migration corridors. BLM would consult with the WGFD during development if any of these parcels are sold and development is proposed.

Table 3.30: Alternative 2 (Prosed Action) Mule Deer Crucial Winter Range and Migration Corridors

| Parcels | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 0388    | 717.800  |           |                    |                            |                            | Lease          |
| 0404    | 880.000  |           |                    |                            |                            | Lease          |
| 0410    | 1557.310 |           |                    |                            |                            | Lease          |
| 0420    | 1033.380 |           |                    |                            |                            | Lease          |
| 0431    | 960.000  |           |                    |                            |                            | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 0433    | 2211.440 |           |                       |                                  |                                  | Lease          |
| 0434    | 671.680  |           |                       |                                  |                                  | Lease          |
| 0437    | 640.000  |           |                       |                                  |                                  | Lease          |
| 0438    | 802.640  |           |                       |                                  |                                  | Lease          |
| 0440    | 600.000  |           |                       |                                  |                                  | Lease          |
| 0441    | 709.210  |           |                       |                                  |                                  | Lease          |
| 0451    | 120.000  |           |                       |                                  |                                  | Lease          |
| 0455    | 520.000  |           |                       |                                  |                                  | Lease          |
| 0461    | 1951.120 | 1,859.28  |                       |                                  |                                  | Lease          |
| 0481    | 1199.920 |           |                       |                                  |                                  | Lease          |
| 0482    | 1218.540 |           |                       |                                  |                                  | Lease          |
| 0485    | 1764.880 |           |                       |                                  |                                  | Lease          |
| 0487    | 2119.920 | 39.27     |                       |                                  |                                  | Lease          |
| 0489    | 1153.410 |           |                       |                                  |                                  | Lease          |
| 0491    | 790.810  | 27.25     |                       |                                  |                                  | Lease          |
| 0496    | 90.780   |           |                       |                                  |                                  | Lease          |
| 0506    | 1000.000 |           |                       |                                  |                                  | Lease          |
| 0508    | 2206.410 |           |                       |                                  |                                  | Lease          |
| 0534    | 2079.840 |           |                       |                                  |                                  | Lease          |
| 0539    | 2200.000 |           | Sublette              |                                  |                                  | Lease          |
| 0540    | 1600.000 |           |                       |                                  |                                  | Lease          |
| 0554    | 1600.000 |           |                       |                                  |                                  | Lease          |
| 0559    | 1925.520 |           |                       |                                  |                                  | Lease          |
| 0562    | 2559.540 |           |                       |                                  |                                  | Lease          |
| 0563    | 1922.000 |           |                       |                                  |                                  | Lease          |
| 0564    | 2540.960 |           |                       |                                  |                                  | Lease          |
| 0567    | 2551.320 |           |                       |                                  |                                  | Lease          |
| 0568    | 2524.400 |           |                       |                                  |                                  | Lease          |
| 0569    | 1920.000 |           |                       |                                  |                                  | Lease          |
| 0570    | 1162.590 |           |                       |                                  |                                  | Lease          |
| 0575    | 1200.000 |           |                       |                                  |                                  | Lease          |
| 0594    | 2074.160 | 1,603.47  |                       |                                  |                                  | Lease          |
| 0597    | 2082.000 |           |                       |                                  |                                  | Lease          |
| 0606    | 1691.580 |           |                       |                                  |                                  | Lease          |
| 0608    | 2558.160 | 1,154.43  |                       |                                  |                                  | Lease          |
| 0632    | 971.430  |           |                       |                                  |                                  | Lease          |
| 0640    | 1244.150 |           |                       |                                  |                                  | Lease          |
| 0648    | 1280.000 |           |                       |                                  |                                  | Lease          |
| 0695    | 2520.000 | 1,251.45  | Sublette              |                                  | 212.99                           | Lease          |
| 0697    | 800.000  | 313.98    | Baggs                 | 20.61                            | 163.97                           | Lease          |
| 0698    | 179.260  |           | Baggs                 |                                  |                                  | Lease          |
| 0701    | 80.000   |           | Platte                | 7.90                             | 2.65                             | Lease          |
| 0708    | 2560.000 |           | Sublette              | 841.95                           | 58.84                            | Lease          |
| 0711    | 2554.760 |           | Sublette              | 1,608.36                         | 881.18                           | Lease          |

| Parcels | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 0712    | 2193.780 |           | Sublette           | 1,811.74                   | 603.52                     | Lease          |
| 0714    | 2157.850 |           | Sublette           | 380.77                     | 189.76                     | Lease          |
| 0755    | 183.250  | 34.37     | Baggs              | 39.76                      | 25.11                      | Lease          |
| 0774    | 638.880  | 636.74    | Sublette           |                            | 50.70                      | Lease          |
| 0775    | 2519.640 |           | Baggs              |                            |                            | Lease          |
| 0776    | 2398.440 |           |                    |                            |                            | Lease          |
| 0777    | 2540.970 |           |                    |                            |                            | Lease          |
| 0778    | 2391.200 |           |                    |                            |                            | Lease          |
| 0779    | 2240.160 | 1,440.57  | Sublette           | 912.96                     | 670.41                     | Lease          |
| 0788    | 2552.100 |           | Sublette           |                            |                            | Lease          |
| 0790    | 640.000  |           |                    |                            |                            | Lease          |
| 0791    | 1880.000 |           | Sublette           | 838.59                     |                            | Lease          |
| 0794    | 2560.000 |           | Sublette           |                            |                            | Lease          |
| 0798    | 2440.000 |           | Sublette           |                            |                            | Lease          |
| 0799    | 2560.000 |           | Sublette           |                            |                            | Lease          |
| 0801    | 2477.960 |           |                    |                            |                            | Lease          |
| 0803    | 2235.430 | 1,930.85  |                    |                            |                            | Lease          |
| 0805    | 2560.000 |           |                    |                            |                            | Lease          |
| 0806    | 2526.500 |           |                    |                            |                            | Lease          |
| 0807    | 2560.000 |           | Sublette           |                            |                            | Lease          |
| 0809    | 1120.000 |           | Sublette           |                            |                            | Lease          |
| 0810    | 2531.280 |           |                    |                            |                            | Lease          |
| 0812    | 1079.530 |           |                    |                            |                            | Lease          |
| 0813    | 2550.250 |           |                    |                            |                            | Lease          |
| 0814    | 2535.230 |           |                    |                            |                            | Lease          |
| 0815    | 2560.000 |           |                    |                            |                            | Lease          |
| 0816    | 2560.000 |           |                    |                            |                            | Lease          |
| 0861    | 160.000  |           |                    |                            |                            | Lease          |
| 0862    | 40.000   |           |                    |                            |                            | Lease          |
| 0864    | 836.370  |           |                    |                            |                            | Lease          |
| 0865    | 240.820  |           |                    |                            |                            | Lease          |
| 0866    | 40.000   |           |                    |                            |                            | Lease          |
| 0868    | 2048.790 |           |                    |                            |                            | Lease          |
| 0869    | 1183.240 |           |                    |                            |                            | Lease          |
| 0870    | 1680.000 |           |                    |                            |                            | Lease          |
| 0875    | 150.650  |           |                    |                            |                            | Lease          |
| 0876    | 2076.880 |           |                    |                            |                            | Lease          |
| 0878    | 1800.000 |           |                    |                            |                            | Lease          |
| 0881    | 1960.000 |           |                    |                            |                            | Lease          |
| 0882    | 1040.000 |           |                    |                            |                            | Lease          |
| 0885    | 2237.200 |           |                    |                            |                            | Lease          |
| 0886    | 120.100  | 121.36    |                    |                            |                            | Lease          |
| 0890    | 2520.000 |           |                    |                            |                            | Lease          |
| 0895    | 2560.000 |           | Sublette           |                            |                            | Lease          |



| Parcels | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 0903    | 642.020  |           | Sublette           |                            |                            | Lease          |
| 0904    | 2240.000 | 80.48     |                    |                            |                            | Lease          |
| 0911    | 1922.080 |           |                    |                            |                            | Lease          |
| 0918    | 2560.000 |           |                    |                            |                            | Lease          |
| 0923    | 1923.210 |           | Sublette           | 948.43                     | 379.63                     | Lease          |
| 0924    | 40.000   |           | Sublette           |                            |                            | Lease          |
| 0932    | 632.190  |           |                    |                            |                            | Lease          |
| 0934    | 118.700  |           |                    |                            |                            | Lease          |
| 0935    | 40.000   |           |                    |                            |                            | Lease          |
| 0936    | 80.000   |           |                    |                            |                            | Lease          |
| 0937    | 517.060  |           |                    |                            |                            | Lease          |
| 0938    | 80.000   |           |                    |                            |                            | Lease          |
| 0939    | 80.950   |           |                    |                            |                            | Lease          |
| 0940    | 82.590   |           |                    |                            |                            | Lease          |
| 0942    | 205.270  |           |                    |                            |                            | Lease          |
| 0943    | 160.930  |           |                    |                            |                            | Lease          |
| 0945    | 751.390  |           |                    |                            |                            | Lease          |
| 0946    | 800.000  |           |                    |                            |                            | Lease          |
| 0947    | 1037.110 |           |                    |                            |                            | Lease          |
| 0948    | 794.810  |           |                    |                            |                            | Lease          |
| 0950    | 884.880  |           |                    |                            |                            | Lease          |
| 0953    | 320.000  |           |                    |                            |                            | Lease          |
| 0955    | 840.000  |           |                    |                            |                            | Lease          |
| 0958    | 529.190  |           |                    |                            |                            | Lease          |
| 0960    | 456.430  |           |                    |                            |                            | Lease          |
| 0961    | 404.460  |           |                    |                            |                            | Lease          |
| 0966    | 686.030  |           |                    |                            |                            | Lease          |
| 0967    | 490.000  |           |                    |                            |                            | Lease          |
| 0968    | 289.110  |           |                    |                            |                            | Lease          |
| 0971    | 633.940  |           |                    |                            |                            | Lease          |
| 0973    | 794.570  |           |                    |                            |                            | Lease          |
| 0974    | 440.000  | 145.56    |                    |                            |                            | Lease          |
| 0977    | 1121.430 |           |                    |                            |                            | Lease          |
| 0978    | 1927.750 |           |                    |                            |                            | Lease          |
| 0979    | 2240.000 |           |                    |                            |                            | Lease          |
| 0983    | 310.260  |           |                    |                            |                            | Lease          |
| 0985    | 1802.600 |           | Sublette           | 1,052.15                   | 0.65                       | Lease          |
| 0986    | 805.780  |           |                    |                            |                            | Lease          |
| 0988    | 1280.000 |           |                    |                            |                            | Lease          |
| 0973    | 1520.000 |           |                    |                            |                            | Lease          |
| 0974    | 280.000  |           |                    |                            |                            | Lease          |
| 0977    | 1920.120 | 1,259.97  |                    |                            |                            | Lease          |
| 0978    | 880.000  | 7.29      |                    |                            |                            | Lease          |
| 0979    | 2456.760 |           |                    |                            |                            | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 0983    | 1080.000 |           |                       |                                  |                                  | Lease          |
| 0985    | 477.840  |           |                       |                                  |                                  | Lease          |
| 0986    | 2453.010 |           |                       |                                  |                                  | Lease          |
| 0988    | 200.000  |           |                       |                                  |                                  | Lease          |
| 1017    | 473.100  |           |                       |                                  |                                  | Lease          |
| 1018    | 1971.940 |           |                       |                                  |                                  | Lease          |
| 1023    | 2560.000 |           |                       |                                  |                                  | Lease          |
| 1025    | 2515.980 |           |                       |                                  |                                  | Lease          |
| 1032    | 1316.710 |           |                       |                                  |                                  | Lease          |
| 1033    | 960.000  |           |                       |                                  |                                  | Lease          |
| 1034    | 960.000  |           |                       |                                  |                                  | Lease          |
| 1036    | 200.000  | 145.56    |                       |                                  |                                  | Lease          |
| 1037    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1038    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1043    | 320.000  |           |                       |                                  |                                  | Lease          |
| 1049    | 400.000  |           |                       |                                  |                                  | Lease          |
| 1050    | 2560.000 |           | Sublette              | 1,052.15                         | 0.65                             | Lease          |
| 1054    | 673.290  |           |                       |                                  |                                  | Lease          |
| 1057    | 1040.000 |           |                       |                                  |                                  | Lease          |
| 1059    | 803.920  |           |                       |                                  |                                  | Lease          |
| 1062    | 800.000  |           |                       |                                  |                                  | Lease          |
| 1063    | 1348.820 |           |                       |                                  |                                  | Lease          |
| 1064    | 841.190  |           |                       |                                  |                                  | Lease          |
| 1065    | 880.000  |           |                       |                                  |                                  | Lease          |
| 1066    | 920.000  |           |                       |                                  |                                  | Lease          |
| 1073    | 1996.200 |           |                       |                                  |                                  | Lease          |
| 1074    | 237.610  |           |                       |                                  |                                  | Lease          |
| 1076    | 1134.350 |           |                       |                                  |                                  | Lease          |
| 1077    | 80.000   |           |                       |                                  |                                  | Lease          |
| 1079    | 280.000  |           |                       |                                  |                                  | Lease          |
| 1081    | 520.000  |           |                       |                                  |                                  | Lease          |
| 1083    | 597.050  |           |                       |                                  |                                  | Lease          |
| 1086    | 80.000   |           |                       |                                  |                                  | Lease          |
| 1091    | 706.400  |           |                       |                                  |                                  | Lease          |
| 1093    | 1792.780 |           |                       |                                  |                                  | Lease          |
| 1096    | 1120.000 |           |                       |                                  |                                  | Lease          |
| 1097    | 2160.000 |           |                       |                                  |                                  | Lease          |
| 1100    | 791.020  |           |                       |                                  |                                  | Lease          |
| 1101    | 40.160   |           |                       |                                  |                                  | Lease          |
| 1107    | 35.640   |           |                       |                                  |                                  | Lease          |
| 1110    | 20.940   |           |                       |                                  |                                  | Lease          |
| 1113    | 440.000  |           |                       |                                  |                                  | Lease          |
| 1114    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1115    | 320.000  |           |                       |                                  |                                  | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 1123    | 280.000  |           |                       |                                  |                                  | Lease          |
| 1124    | 303.360  |           |                       |                                  |                                  | Lease          |
| 1129    | 280.000  |           |                       |                                  |                                  | Lease          |
| 1130    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1131    | 622.920  |           |                       |                                  |                                  | Lease          |
| 1132    | 816.560  |           |                       |                                  |                                  | Lease          |
| 1142    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1143    | 440.000  |           |                       |                                  |                                  | Lease          |
| 1144    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1145    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1146    | 400.000  |           |                       |                                  |                                  | Lease          |
| 1151    | 201.350  |           |                       |                                  |                                  | Lease          |
| 1152    | 717.800  | 172.99    |                       |                                  |                                  | Lease          |
| 1154    | 880.000  |           |                       |                                  |                                  | Lease          |
| 1156    | 1557.310 |           |                       |                                  |                                  | Lease          |
| 1157    | 1033.380 | 595.24    |                       |                                  |                                  | Lease          |
| 1158    | 960.000  | 369.04    |                       |                                  |                                  | Lease          |
| 1159    | 2211.440 | 205.95    |                       |                                  |                                  | Lease          |
| 1160    | 671.680  | 12.20     |                       |                                  |                                  | Lease          |
| 1162    | 640.000  |           |                       |                                  |                                  | Lease          |
| 1183    | 802.640  |           |                       |                                  |                                  | Lease          |
| 1184    | 240.105  |           |                       |                                  |                                  | Lease          |
| 1185    | 239.995  |           |                       |                                  |                                  | Lease          |
| 1186    | 320.306  |           |                       |                                  |                                  | Lease          |
| 1187    | 360.680  |           |                       |                                  |                                  | Lease          |
| 1188    | 2544.130 |           |                       |                                  |                                  | Lease          |
| 1189    | 0.000    |           |                       |                                  |                                  | Lease          |
| 1190    | 319.330  | 7.89      |                       |                                  |                                  | Lease          |
| 1197    | 1520.000 |           |                       |                                  |                                  | Lease          |
| 1201    | 1533.040 | 901.35    |                       |                                  |                                  | Lease          |
| 1202    | 908.630  |           |                       |                                  |                                  | Lease          |
| 1203    | 2026.870 | 1,293.10  |                       |                                  |                                  | Lease          |
| 1205    | 1437.840 |           |                       |                                  |                                  | Lease          |
| 1207    | 160.000  |           |                       |                                  |                                  | Lease          |
| 1208    | 1323.680 |           |                       |                                  |                                  | Lease          |
| 1209    | 479.803  |           |                       |                                  |                                  | Lease          |
| 1210    | 1080.000 |           |                       |                                  |                                  | Lease          |
| 1211    | 1160.000 | 175.65    |                       |                                  |                                  | Lease          |
| 1212    | 1995.020 |           |                       |                                  |                                  | Lease          |
| 1213    | 280.000  |           |                       |                                  |                                  | Lease          |
| 1214    | 1758.530 |           |                       |                                  |                                  | Lease          |
| 1215    | 1800.270 |           |                       |                                  |                                  | Lease          |
| 1216    | 318.850  |           |                       |                                  |                                  | Lease          |
| 1219    | 1159.630 |           |                       |                                  |                                  | Lease          |

| Parcels | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 1221    | 80.170   | 306.36    |                    |                            |                            | Lease          |
| 1222    | 320.000  |           |                    |                            |                            | Lease          |
| 1223    | 2240.000 |           |                    |                            |                            | Lease          |
| 1224    | 1877.470 |           |                    |                            |                            | Lease          |
| 1225    | 1723.800 |           |                    |                            |                            | Lease          |
| 1226    | 640.210  |           |                    |                            |                            | Lease          |
| 1227    | 1152.940 | 1,166.28  |                    |                            |                            | Lease          |
| 1229    | 548.030  |           |                    |                            |                            | Lease          |
| 1230    | 1759.550 |           |                    |                            |                            | Lease          |
| 1231    | 1880.000 | 1,339.15  |                    |                            |                            | Lease          |
| 1234    | 715.680  |           |                    |                            |                            | Lease          |
| 1235    | 582.960  |           |                    |                            |                            | Lease          |
| 1236    | 319.700  |           |                    |                            |                            | Lease          |
| 1237    | 645.290  |           |                    |                            |                            | Lease          |
| 1239    | 835.890  | 1,924.47  | Sublette           |                            | 204.33                     | Lease          |
| 1240    | 0.000    | 163.40    | Sublette           |                            |                            | Lease          |
| 1241    | 1077.859 | 532.09    |                    |                            |                            | Lease          |
| 1242    | 2449.320 | 587.16    | Sublette           |                            |                            | Lease          |
| 1243    | 753.387  |           |                    |                            |                            | Lease          |
| 1244    | 199.840  |           |                    |                            |                            | Lease          |
| 1245    | 398.560  |           |                    |                            |                            | Lease          |
| 1246    | 160.000  | 255.58    |                    |                            |                            | Lease          |
| 1247    | 2262.920 |           |                    |                            |                            | Lease          |
| 1248    | 1166.200 |           |                    |                            |                            | Lease          |
| 1249    | 194.460  |           |                    |                            |                            | Lease          |
| 1250    | 302.680  |           |                    |                            |                            | Lease          |
| 1251    | 559.930  | 1,872.30  | Sublette           | 636.23                     | 1,243.41                   | Lease          |
| 1252    | 1017.890 | 2,042.79  | Sublette           | 227.10                     | 593.89                     | Lease          |
| 1253    | 470.640  | 975.41    | Sublette           |                            | 196.84                     | Lease          |
| 1259    | 602.689  |           |                    |                            |                            | Lease          |
| 1261    | 645.620  | 133.89    |                    |                            |                            | Lease          |
| 1262    | 723.474  |           |                    |                            |                            | Lease          |
| 1263    | 402.560  |           |                    |                            |                            | Lease          |
| 1264    | 39.800   |           |                    |                            |                            | Lease          |
| 1265    | 1040.000 |           |                    |                            |                            | Lease          |
| 1266    | 720.000  |           |                    |                            |                            | Lease          |
| 1267    | 206.955  |           |                    |                            |                            | Lease          |
| 1268    | 245.620  |           |                    |                            |                            | Lease          |
| 1269    | 0.000    |           |                    |                            |                            | Lease          |
| 1270    | 920.000  |           |                    |                            |                            | Lease          |
| 1271    | 0.000    |           |                    |                            |                            | Lease          |
| 1272    | 79.976   |           |                    |                            |                            | Lease          |
| 1273    | 40.026   |           |                    |                            |                            | Lease          |
| 1274    | 558.580  |           |                    |                            |                            | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 1276    | 439.730  |           |                       |                                  |                                  | Lease          |
| 1277    | 80.000   |           |                       |                                  |                                  | Lease          |
| 1314    | 159.940  |           |                       |                                  |                                  | Lease          |
| 1316    | 1119.720 | 529.18    |                       |                                  |                                  | Lease          |
| 6731    | 1423.900 | 334.56    |                       |                                  |                                  | Lease          |
| 6743    | 1992.200 |           |                       |                                  |                                  | Lease          |
| 6744    | 1949.710 | 337.11    | Sublette              |                                  |                                  | Lease          |
| 6758    | 1080.000 | 1,138.14  |                       |                                  |                                  | Lease          |
| 6782    | 1179.270 | 227.88    | Sublette              |                                  |                                  | Lease          |
| 6783    | 1142.080 |           |                       |                                  |                                  | Lease          |
| 6784    | 2408.690 | 133.89    |                       |                                  |                                  | Lease          |
| 6787    | 640.000  |           |                       |                                  |                                  | Lease          |
| 6792    | 2532.510 |           |                       |                                  |                                  | Lease          |
| 6793    | 2552.140 |           |                       |                                  |                                  | Lease          |
| 6794    | 2560.000 |           |                       |                                  |                                  | Lease          |
| 6797    | 1924.400 |           |                       |                                  |                                  | Lease          |
| 6799    | 1922.880 |           |                       |                                  |                                  | Lease          |
| 6800    | 1262.390 |           |                       |                                  |                                  | Lease          |
| 6801    | 1749.220 |           |                       |                                  |                                  | Lease          |
| 6802    | 2200.000 |           |                       |                                  |                                  | Lease          |
| 6803    | 636.640  |           |                       |                                  |                                  | Lease          |
| 6809    | 2242.500 | 494.98    |                       |                                  |                                  | Lease          |
| 6813    | 2560.000 | 935.68    |                       |                                  |                                  | Lease          |
| 6820    | 80.000   |           |                       |                                  |                                  | Lease          |
| 6824    | 1704.240 |           |                       |                                  |                                  | Lease          |
| 6831    | 2157.240 | 2,010.38  |                       |                                  |                                  | Lease          |
| 6834    | 2555.940 | 51.22     |                       |                                  |                                  | Lease          |
| 6847    | 1565.660 |           |                       |                                  |                                  | Lease          |
| 6866    | 1948.430 | 1,137.16  |                       |                                  |                                  | Lease          |
| 6885    | 1034.350 | 1,033.23  | Platte                | 137.15                           | 258.99                           | Lease          |
| 6886    | 640.000  | 529.15    | Platte                |                                  | 346.95                           | Lease          |
| 6935    | 200.000  | 108.83    | Sublette              | 19.40                            | 22.01                            | Lease          |
| 6936    | 480.000  | 127.42    | Sublette              | 364.69                           | 19.11                            | Lease          |
| 6937    | 2350.980 |           |                       |                                  |                                  | Lease          |
| 6938    | 2348.250 |           |                       |                                  |                                  | Lease          |
| 6940    | 2560.000 |           |                       |                                  |                                  | Lease          |
| 6949    | 2560.000 |           | Sublette              |                                  |                                  | Lease          |
| 6950    | 2560.000 |           | Sublette              |                                  |                                  | Lease          |
| 6951    | 2191.440 | 1,125.00  |                       |                                  |                                  | Lease          |
| 6952    | 1920.000 |           |                       |                                  |                                  | Lease          |
| 6953    | 40.000   |           |                       |                                  |                                  | Lease          |
| 6954    | 1280.000 |           |                       |                                  |                                  | Lease          |
| 6955    | 560.100  |           |                       |                                  |                                  | Lease          |
| 6956    | 2542.260 |           |                       |                                  |                                  | Lease          |

| Parcels | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 6957    | 2560.000 |           |                    |                            |                            | Lease          |
| 6958    | 2560.000 |           |                    |                            |                            | Lease          |
| 6959    | 2557.640 |           |                    |                            |                            | Lease          |
| 6976    | 786.290  |           |                    |                            |                            | Lease          |
| 6977    | 78.540   |           |                    |                            |                            | Lease          |
| 6978    | 320.000  | 312.36    |                    |                            |                            | Lease          |
| 6979    | 82.950   |           |                    |                            |                            | Lease          |
| 6981    | 1720.000 |           |                    |                            |                            | Lease          |
| 6983    | 640.000  |           |                    |                            |                            | Lease          |
| 6984    | 2397.650 |           |                    |                            |                            | Lease          |
| 6985    | 325.210  |           |                    |                            |                            | Lease          |
| 6986    | 2240.910 |           |                    |                            |                            | Lease          |
| 6988    | 2534.170 |           |                    |                            |                            | Lease          |
| 6990    | 2560.000 |           |                    |                            |                            | Lease          |
| 6991    | 2559.170 |           | Sublette           | 1,302.35                   |                            | Lease          |
| 6992    | 1925.160 |           |                    |                            |                            | Lease          |
| 6995    | 1440.000 |           |                    |                            |                            | Lease          |
| 7000    | 1920.000 | 597.94    |                    |                            |                            | Lease          |
| 7003    | 2514.110 |           |                    |                            |                            | Lease          |
| 7008    | 640.000  |           |                    |                            |                            | Lease          |
| 7012    | 1197.700 |           |                    |                            |                            | Lease          |
| 7013    | 438.230  | 438.69    | Baggs              |                            | 214.07                     | Lease          |
| 7014    | 2553.570 |           | Sublette           | 633.01                     | 71.85                      | Lease          |
| 7015    | 319.270  |           |                    |                            |                            | Lease          |
| 7016    | 440.000  |           |                    |                            |                            | Lease          |
| 7017    | 320.000  |           |                    |                            |                            | Lease          |
| 7018    | 320.000  |           |                    |                            |                            | Lease          |
| 7019    | 164.370  |           |                    |                            |                            | Lease          |
| 7020    | 80.000   |           |                    |                            |                            | Lease          |
| 7021    | 1480.000 |           |                    |                            |                            | Lease          |
| 7022    | 651.620  |           |                    |                            |                            | Lease          |
| 7023    | 473.400  |           |                    |                            |                            | Lease          |
| 7024    | 320.000  |           |                    |                            |                            | Lease          |
| 7025    | 280.000  |           |                    |                            |                            | Lease          |
| 7026    | 360.000  |           |                    |                            |                            | Lease          |
| 7027    | 532.790  |           |                    |                            |                            | Lease          |
| 7028    | 527.770  |           |                    |                            |                            | Lease          |
| 7029    | 731.280  |           |                    |                            |                            | Lease          |
| 7030    | 874.260  |           |                    |                            |                            | Lease          |
| 7031    | 208.280  |           |                    |                            |                            | Lease          |
| 7032    | 320.000  |           |                    |                            |                            | Lease          |
| 7033    | 536.690  |           |                    |                            |                            | Lease          |
| 7034    | 322.930  |           |                    |                            |                            | Lease          |
| 7035    | 897.700  |           |                    |                            |                            | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 7036    | 92.930   |           |                       |                                  |                                  | Lease          |
| 7037    | 2245.640 |           |                       |                                  |                                  | Lease          |
| 7038    | 2241.480 |           |                       |                                  |                                  | Lease          |
| 7039    | 849.670  |           |                       |                                  |                                  | Lease          |
| 7040    | 2400.000 |           |                       |                                  |                                  | Lease          |
| 7041    | 2560.000 |           |                       |                                  |                                  | Lease          |
| 7045    | 1273.560 |           |                       |                                  |                                  | Lease          |
| 7047    | 80.000   |           |                       |                                  |                                  | Lease          |
| 7048    | 453.170  |           |                       |                                  |                                  | Lease          |
| 7049    | 40.660   |           |                       |                                  |                                  | Lease          |
| 7050    | 2212.620 |           |                       |                                  |                                  | Lease          |
| 7051    | 2520.000 |           |                       |                                  |                                  | Lease          |
| 7052    | 1918.240 |           |                       |                                  |                                  | Lease          |
| 7053    | 1778.750 | 1,779.17  | Baggs                 | 89.07                            | 405.84                           | Lease          |
| 7054    | 2119.810 |           |                       |                                  |                                  | Lease          |
| 7058    | 1252.640 |           |                       |                                  |                                  | Lease          |
| 7059    | 40.000   |           |                       |                                  |                                  | Lease          |
| 7060    | 2501.090 |           |                       |                                  |                                  | Lease          |
| 7061    | 2280.000 |           |                       |                                  |                                  | Lease          |
| 7069    | 2549.800 |           |                       |                                  |                                  | Lease          |
| 7070    | 1359.960 |           |                       |                                  |                                  | Lease          |
| 7073    | 2357.670 |           |                       |                                  |                                  | Lease          |
| 7074    | 2075.660 |           |                       |                                  |                                  | Lease          |
| 7075    | 40.000   |           |                       |                                  |                                  | Lease          |
| 7077    | 538.640  |           |                       |                                  |                                  | Lease          |
| 7078    | 531.820  |           |                       |                                  |                                  | Lease          |
| 7079    | 587.310  |           |                       |                                  |                                  | Lease          |
| 7081    | 640.000  |           |                       |                                  |                                  | Lease          |
| 7096    | 161.070  |           |                       |                                  |                                  | Lease          |
| 7097    | 2479.600 |           |                       |                                  |                                  | Lease          |
| 7098    | 2400.000 |           |                       |                                  |                                  | Lease          |
| 7099    | 1920.000 |           |                       |                                  |                                  | Lease          |
| 7100    | 2338.490 |           |                       |                                  |                                  | Lease          |
| 7103    | 2559.880 | 618.79    |                       |                                  |                                  | Lease          |
| 7107    | 2454.310 |           |                       |                                  |                                  | Lease          |
| 7110    | 1348.950 |           |                       |                                  |                                  | Lease          |
| 7111    | 1900.000 |           |                       |                                  |                                  | Lease          |
| 7122    | 2007.630 |           |                       |                                  |                                  | Lease          |
| 7123    | 906.890  |           |                       |                                  |                                  | Lease          |
| 7124    | 557.310  |           |                       |                                  |                                  | Lease          |
| 7125    | 1400.000 |           |                       |                                  |                                  | Lease          |
| 7126    | 200.000  |           |                       |                                  |                                  | Lease          |
| 7127    | 320.000  |           |                       |                                  |                                  | Lease          |
| 7128    | 2535.560 |           |                       |                                  |                                  | Lease          |

| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 7131    | 160.000  |           |                       |                                  |                                  | Lease          |
| 7133    | 80.990   |           |                       |                                  |                                  | Lease          |
| 7134    | 464.960  |           |                       |                                  |                                  | Lease          |
| 7135    | 686.800  |           |                       |                                  |                                  | Lease          |
| 7136    | 280.000  |           |                       |                                  |                                  | Lease          |
| 7137    | 760.000  |           |                       |                                  |                                  | Lease          |
| 7138    | 80.000   |           |                       |                                  |                                  | Lease          |
| 7140    | 1440.000 |           |                       |                                  |                                  | Lease          |
| 7103    | 1640.000 |           |                       |                                  |                                  | Lease          |
| 7107    | 918.350  |           |                       |                                  |                                  | Lease          |
| 7110    | 801.960  |           |                       |                                  |                                  | Lease          |
| 7111    | 120.000  |           |                       |                                  |                                  | Lease          |
| 7122    | 1920.000 |           |                       |                                  |                                  | Lease          |
| 7123    | 2560.000 |           |                       |                                  |                                  | Lease          |
| 7124    | 560.000  |           |                       |                                  |                                  | Lease          |
| 7125    | 800.000  |           |                       |                                  |                                  | Lease          |
| 7126    | 1010.890 |           |                       |                                  |                                  | Lease          |
| 7127    | 383.840  |           |                       |                                  |                                  | Lease          |
| 7128    | 1416.270 |           |                       |                                  |                                  | Lease          |
| 7131    | 720.000  |           |                       |                                  |                                  | Lease          |
| 7133    | 1733.490 |           |                       |                                  |                                  | Lease          |
| 7134    | 2037.700 |           |                       |                                  |                                  | Lease          |
| 7135    | 374.700  |           |                       |                                  |                                  | Lease          |
| 7136    | 779.560  |           |                       |                                  |                                  | Lease          |
| 7137    | 322.340  |           |                       |                                  |                                  | Lease          |
| 7138    | 946.230  |           |                       |                                  |                                  | Lease          |
| 7140    | 640.000  |           |                       |                                  |                                  | Lease          |
| 7141    | 720.000  |           |                       |                                  |                                  | Lease          |
| 7142    | 1357.690 |           |                       |                                  |                                  | Lease          |
| 7143    | 1440.000 |           |                       |                                  |                                  | Lease          |
| 7145    | 958.290  |           |                       |                                  |                                  | Lease          |
| 7146    | 2403.780 |           |                       |                                  |                                  | Lease          |
| 7148    | 632.170  |           |                       |                                  |                                  | Lease          |
| 7149    | 1088.550 |           |                       |                                  |                                  | Lease          |
| 7150    | 710.510  |           |                       |                                  |                                  | Lease          |
| 7151    | 850.920  |           |                       |                                  |                                  | Lease          |
| 7152    | 566.680  |           |                       |                                  |                                  | Lease          |
| 7153    | 2000.000 |           |                       |                                  |                                  | Lease          |
| 7154    | 819.620  |           |                       |                                  |                                  | Lease          |
| 7155    | 40.000   |           |                       |                                  |                                  | Lease          |
| 7157    | 600.000  |           |                       |                                  |                                  | Lease          |
| 7158    | 1392.460 |           |                       |                                  |                                  | Lease          |
| 7159    | 33.760   |           |                       |                                  |                                  | Lease          |
| 7160    | 1379.390 |           |                       |                                  |                                  | Lease          |



| Parcels | Acres    | CWR Acres | Migration<br>Corridor | Migration<br>(High Use<br>Acres) | Migration<br>(Stopover<br>Acres) | Recommendation |
|---------|----------|-----------|-----------------------|----------------------------------|----------------------------------|----------------|
| 7163    | 160.070  | 649.79    |                       |                                  |                                  | Lease          |
| 7164    | 1398.720 |           |                       |                                  |                                  | Lease          |
| 7165    | 1125.620 |           |                       |                                  |                                  | Lease          |
| 7166    | 1677.680 |           |                       |                                  |                                  | Lease          |
| 7167    | 1360.000 |           |                       |                                  |                                  | Lease          |
| 7168    | 80.000   |           |                       |                                  |                                  | Lease          |
| 7169    | 1189.620 |           |                       |                                  |                                  | Lease          |
| 7170    | 80.000   |           |                       |                                  |                                  | Lease          |
| 7171    | 160.000  |           |                       |                                  |                                  | Lease          |
| 7173    | 455.410  |           |                       |                                  |                                  | Lease          |
| 7174    | 623.400  |           |                       |                                  |                                  | Lease          |
| 7175    | 160.000  |           |                       |                                  |                                  | Lease          |
| 7176    | 640.000  |           |                       |                                  |                                  | Lease          |
| 7177    | 454.820  |           |                       |                                  |                                  | Lease          |
| 7180    | 632.160  |           |                       |                                  |                                  | Lease          |
| 7181    | 434.360  |           |                       |                                  |                                  | Lease          |
| 7182    | 2140.400 | 1,422.11  |                       |                                  |                                  | Lease          |
| 7185    | 1440.000 |           |                       |                                  |                                  | Lease          |
| 7186    | 2295.700 |           |                       |                                  |                                  | Lease          |
| 7187    | 199.840  |           |                       |                                  |                                  | Lease          |
| 7188    | 1878.530 | 1,390.18  |                       |                                  |                                  | Lease          |
| 7189    | 636.410  | 1,096.88  |                       |                                  |                                  | Lease          |
| 7190    | 200.850  | 1,653.92  |                       |                                  |                                  | Lease          |
| 7192    | 2559.170 | 1,211.46  |                       |                                  |                                  | Lease          |
| 7193    | 1925.160 |           |                       |                                  |                                  | Lease          |
| 7194    | 1440.000 |           |                       |                                  |                                  | Lease          |
| 7195    | 1920.000 |           |                       |                                  |                                  | Lease          |
| 7197    | 2514.110 |           |                       |                                  |                                  | Lease          |
| 7199    | 640.000  |           |                       |                                  |                                  | Lease          |
| 7200    | 1197.700 | 8.04      |                       |                                  |                                  | Lease          |
| 7192    | 438.230  |           |                       |                                  |                                  | Lease          |
| 7193    | 2553.570 |           |                       |                                  |                                  | Lease          |
| 7194    | 319.270  |           |                       |                                  |                                  | Lease          |
| 7195    | 440.000  | 632.56    |                       |                                  |                                  | Lease          |
| 7197    | 320.000  |           |                       |                                  |                                  | Lease          |
| 7199    | 320.000  |           |                       |                                  |                                  | Lease          |
| 7200    | 164.370  | 82.17     |                       |                                  |                                  | Lease          |
| 7202    | 80.000   | 1,072.63  |                       |                                  |                                  | Lease          |
| 7203    | 1480.000 | 919.42    | Sublette              |                                  |                                  | Lease          |
| 7204    | 651.620  |           |                       |                                  |                                  | Lease          |
| 7205    | 473.400  |           |                       |                                  |                                  | Lease          |
| 7206    | 320.000  |           |                       |                                  |                                  | Lease          |
| 7207    | 280.000  | 1,211.46  |                       |                                  |                                  | Lease          |
| 7210    | 360.000  |           |                       |                                  |                                  | Lease          |

| Parcels | Acres   | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|---------|---------|-----------|--------------------|----------------------------|----------------------------|----------------|
| 7211    | 532.790 |           |                    |                            |                            | Lease          |
| 7213    | 527.770 |           |                    |                            |                            | Lease          |
| 7214    | 731.280 |           |                    |                            |                            | Lease          |
| 7215    | 874.260 |           |                    |                            |                            | Lease          |
| 7216    | 208.280 | 8.04      |                    |                            |                            | Lease          |

When looking at Alternative 3 (Modified Proposed Action) there are fewer mule deer crucial winter range acres proposed and fewer parcels within designated corridors (Table 3.31). Reducing the amount of acres proposed in each of these habitat types would help minimize impacts to mule deer. Other impacts would be similar to those described under each FO RMP. Impacts include but are not limited to; introduction of weeds, loss of habitat and avoidance of the area due to vehicle traffic and noise.

Table 3.3: Alternative 3 (Modified Proposed Action) Mule Deer Crucial Winter Range and Migration Corridors

| Parcels         | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-202X-XX-0461 | 1,952.50 | 1,859.28  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0487 | 2,124.05 | 39.27     |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0491 | 829.82   | 27.25     |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0539 | 2,202.22 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0594 | 2,077.84 | 1,603.47  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0608 | 2,560.83 | 1,154.43  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0695 | 2,522.53 | 1,251.45  | Sublette           |                            | 212.99                     | Defer PHMA     |
| WY-202X-XX-0697 | 799.85   | 313.98    | Baggs              | 20.61                      | 163.97                     | Defer PHMA     |
| WY-202X-XX-0698 | 179.94   |           | Baggs              |                            |                            | Defer PHMA     |
| WY-202X-XX-0701 | 80.31    |           | Platte             | 7.90                       | 2.65                       | Defer PHMA     |
| WY-202X-XX-0708 | 2,552.14 |           | Sublette           | 841.95                     | 58.84                      | Defer PHMA     |
| WY-202X-XX-0711 | 2,551.31 |           | Sublette           | 1,608.36                   | 881.18                     | Defer PHMA     |
| WY-202X-XX-0712 | 2,189.08 |           | Sublette           | 1,811.74                   | 603.52                     | Defer PHMA     |
| WY-202X-XX-0714 | 2,162.17 |           | Sublette           | 380.77                     | 189.76                     | Defer PHMA     |
| WY-202X-XX-0755 | 182.96   | 34.37     | Baggs              | 39.76                      | 25.11                      | Defer PHMA     |
| WY-202X-XX-0774 | 636.74   | 636.74    | Sublette           |                            | 50.70                      | Defer PHMA     |
| WY-202X-XX-0775 | 2,522.29 |           | Baggs              |                            |                            | Defer PHMA     |
| WY-202X-XX-0779 | 2,237.93 | 1,440.57  | Sublette           | 912.96                     | 670.41                     | Defer PHMA     |
| WY-202X-XX-0788 | 2,553.68 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0791 | 1,875.28 |           | Sublette           | 838.59                     |                            | Defer PHMA     |
| WY-202X-XX-0794 | 2,567.35 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0798 | 2,434.41 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0799 | 2,560.63 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0803 | 2,230.03 | 1,930.85  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0807 | 2,553.91 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0809 | 1,124.21 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0886 | 121.36   | 121.36    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-0895 | 2,565.19 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-0903 | 641.30   |           | Sublette           |                            |                            | Lease          |
| WY-202X-XX-0904 | 2,244.75 | 80.48     |                    |                            |                            | Lease          |
| WY-202X-XX-0923 | 1,926.25 |           | Sublette           | 948.43                     | 379.63                     | Lease          |
| WY-202X-XX-0924 | 39.74    |           | Sublette           |                            |                            | Lease          |

| Parcels         | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-202X-XX-0974 | 441.27   | 145.56    |                    |                            |                            | Lease          |
| WY-202X-XX-0985 | 1,763.26 |           | Sublette           | 1,052.15                   | 0.65                       | Lease          |
| WY-202X-XX-1023 | 1,925.10 | 1,259.97  |                    |                            |                            | Lease          |
| WY-202X-XX-1025 | 883.20   | 7.29      |                    |                            |                            | Lease          |
| WY-202X-XX-1152 | 639.37   | 172.99    |                    |                            |                            | Lease          |
| WY-202X-XX-1157 | 639.40   | 595.24    |                    |                            |                            | Lease          |
| WY-202X-XX-1158 | 440.13   | 369.04    |                    |                            |                            | Lease          |
| WY-202X-XX-1159 | 640.44   | 205.95    |                    |                            |                            | Lease          |
| WY-202X-XX-1160 | 638.41   | 12.20     |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1197 | 1,527.53 | 7.89      |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1202 | 901.35   | 901.35    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1205 | 1,445.49 | 1,293.10  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1212 | 1,993.97 | 175.65    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1222 | 324.18   | 306.36    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1227 | 1,213.33 | 1,166.28  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1231 | 1,892.93 | 1,339.15  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1239 | 835.90   | 1,924.47  | Sublette           |                            | 204.33                     | Defer PHMA     |
| WY-202X-XX-1241 | 1,038.01 | 163.40    | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-1242 | 2,443.32 | 532.09    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1243 | 516.36   | 587.16    | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-1247 | 2,273.77 | 255.58    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-1252 | 1,098.04 | 1,872.30  | Sublette           | 636.23                     | 1,243.41                   | Lease          |
| WY-202X-XX-1253 | 350.83   | 2,042.79  | Sublette           | 227.10                     | 593.89                     | Defer PHMA     |
| WY-202X-XX-1259 | 602.64   | 975.41    | Sublette           |                            | 196.84                     | Defer PHMA     |
| WY-202X-XX-1261 | 645.06   | 133.89    |                    |                            |                            | Lease          |
| WY-202X-XX-6743 | 1,992.56 | 529.18    |                    |                            |                            | Lease          |
| WY-202X-XX-6744 | 1,951.37 | 334.56    |                    |                            |                            | Lease          |
| WY-202X-XX-6782 | 1,181.34 | 337.11    | Sublette           |                            |                            | Lease          |
| WY-202X-XX-6783 | 1,139.05 | 1,138.14  |                    |                            |                            | Lease          |
| WY-202X-XX-6784 | 2,440.78 | 227.88    | Sublette           |                            |                            | Lease          |
| WY-202X-XX-6809 | 2,240.12 | 494.98    |                    |                            |                            | Lease          |
| WY-202X-XX-6813 | 2,558.25 | 935.68    |                    |                            |                            | Lease          |
| WY-202X-XX-6831 | 2,116.54 | 2,010.38  |                    |                            |                            | Lease          |
| WY-202X-XX-6834 | 2,558.46 | 51.22     |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-6866 | 1,948.45 | 1,137.16  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-6885 | 1,033.37 | 1,033.23  | Platte             | 137.15                     | 258.99                     | Defer PHMA     |
| WY-202X-XX-6886 | 637.03   | 529.15    | Platte             |                            | 346.95                     | Defer PHMA     |
| WY-202X-XX-6935 | 198.78   | 108.83    | Sublette           | 19.40                      | 22.01                      | Defer PHMA     |
| WY-202X-XX-6936 | 479.49   | 127.42    | Sublette           | 364.69                     | 19.11                      | Defer PHMA     |
| WY-202X-XX-6949 | 2,558.80 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-6950 | 2,552.18 |           | Sublette           |                            |                            | Defer PHMA     |
| WY-202X-XX-6951 | 2,189.33 | 1,125.00  |                    |                            |                            | Lease          |
| WY-202X-XX-6978 | 312.36   | 312.36    |                    |                            |                            | Lease          |
| WY-202X-XX-6991 | 2,555.78 |           | Sublette           | 1,302.35                   |                            | Lease          |
| WY-202X-XX-7000 | 1,923.82 | 597.94    |                    |                            |                            | Lease          |
| WY-202X-XX-7013 | 438.69   | 438.69    | Baggs              |                            | 214.07                     | Defer PHMA     |
| WY-202X-XX-7014 | 2,551.39 |           | Sublette           | 633.01                     | 71.85                      | Defer PHMA     |
| WY-202X-XX-7053 | 1,779.17 | 1,779.17  | Baggs              | 89.07                      | 405.84                     | Lease          |

| Parcels         | Acres    | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-202X-XX-7103 | 2,565.76 | 618.79    |                    |                            |                            | Lease          |
| WY-202X-XX-7163 | 946.02   | 649.79    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7182 | 1,422.11 | 1,422.11  |                    |                            |                            | Lease          |
| WY-202X-XX-7188 | 1,390.18 | 1,390.18  |                    |                            |                            | Lease          |
| WY-202X-XX-7189 | 1,096.88 | 1,096.88  |                    |                            |                            | Lease          |
| WY-202X-XX-7190 | 1,653.92 | 1,653.92  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7192 | 1,409.89 | 1,211.46  |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7200 | 621.61   | 8.04      |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7205 | 632.56   | 632.56    |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7210 | 1,443.45 | 82.17     |                    |                            |                            | Defer PHMA     |
| WY-202X-XX-7211 | 2,325.76 | 1,072.63  |                    |                            |                            | Lease          |
| WY-202X-XX-7213 | 199.84   | 919.42    | Sublette           |                            |                            | Lease          |

Whether occurring in a corridor or in other seasonal habitats, disturbance associated with oil and gas development can result in wildlife moving from high quality habitat to areas of lower quality, less desirable habitat. Abandonment of important habitat can lower reproduction and survival rates of the species and result in a decline in wildlife populations.” (ARMPA, pg 4-426)

The intensity of development and resultant impacts will be considered in combination with the context of the proposed action at the time development is proposed.

There are over 16.6 million acres of big game crucial winter range (CWR) in the State of Wyoming. Of this amount, approximately 6,335,000 acres is Mule Deer CWR, 5,973,000 acres is Antelope CWR, and 4,361,359 acres is Elk CWR.

Offering 50,944.63 acres of mule deer CWR, 145,977.09 acres of pronghorn CWR, and 42,442.96 acres of Elk CWR is not expected to result in impacts not already considered in BLM’s RMPs or programmatic EIS’.

Oil and gas development causes surface disturbance through construction of well pads, roads, pipelines, and other facilities. Reclamation and mitigation efforts would reduce impacts on wildlife habitat and fisheries; however, construction and maintenance of roads and well pads and the presence of humans would result in long-term or permanent impacts. Overall impacts would likely be greater where mineral development is more intense, in areas where development overlaps with crucial and winter wildlife ranges, and on state and private lands because of the lack of protections afforded to natural resources in these areas. If development expands, the ability of big game and other wildlife species to disperse into alternate habitats, they could become limited. This may create isolated populations in areas where habitats remain intact. The degree of impact would depend on the timing of development activities and whether the amount of activity outpaces the successful reclamation and revegetation efforts in disturbed areas. Because of this pace of development (whether federal mineral, commercial, or private residence), more pressure would be put on habitats outside of the development (likely private lands) as wildlife is displaced from the disturbances.

It is well known that CWR is important to the viability of big game. Persistent disturbance in sensitive habitats would shift the areas of use and weaken the tendency of the animals to return to the disturbed area. If animals don’t return to disturbed habitat, populations could be lower as herds and individuals to move into naïve and unpredictable habitats that may not support the increased use by local and newly arrived, displaced populations. Mineral development activities would likely cause displacement of animals and selection of alternative habitats and would likely inhibit big game movement between winter ranges and birthing areas. The displacement of big game, and specifically mule deer, from high-use to low use areas has the potential to influence survival and reproduction (Sawyer et al. 2006). Should migration be disrupted and key habitats highly degraded over a short period of time, it is likely that negative effects (both in the short-term and potentially in the long-term) from displacement of big game from these habitats would occur.

As considered in the RMPs (ARMPA FEIS pg. 4-466 - 4-467, BFO FEIS pg. 2489) the Converse County project is undergoing EIS analysis within the HPD. Cumulative impacts to resources are being evaluated within these documents.

Where parcels are not located within approved project area EIS boundaries, and even to a certain extent those that are, as more reservoir data is gathered through exploratory drilling, the likelihood for sustained economic production should increase, and a decrease in dry-holes should occur consistent with other types of field development. BLM is unaware of any new concentrated field developments beyond what is currently proposed and undergoing review. See ARMPA FEIS pg. 4-509 - 4-579, the Buffalo RMP FEIS pg. 871, 1167 and 1660-1665, Bighorn RMP FEIS pg. 4-642 - 4-674, and Lander RMP FEIS pg. 1276-1332 for more information on what activity was considered in the RMP cumulative impacts analysis.

In particular, in its analysis of impacts of impacts from oil and gas development, the ARMPA at page 4-508, concludes:

*Loss of vegetation from development activities would degrade habitat and increase forage competition among grazing animals. Livestock grazing practices would further increase cumulative impacts through direct competition for forage, water, and space, and by limiting the ability to manage vegetation for fish and wildlife needs. These impacts would also reduce the capability to maintain current population objectives.*

*Oil and gas development would cause the greatest amount of surface disturbance through construction of well pads, roads, pipelines, and other facilities. Reclamation and mitigation efforts would reduce impacts on wildlife habitat and fisheries; however, construction and maintenance of roads and well pads and the presence of humans would result in long-term or permanent impacts. Cumulative impacts would likely be greater where mineral development is more intense, in areas where development overlaps with crucial and winter wildlife ranges, and on state and private lands because of the lack of protections afforded to natural resources in these areas. Protection of non-federally listed species on private and state lands may not occur, resulting in potentially significant impacts on these species. As development expands throughout southwestern Wyoming, the ability of big game species to disperse into habitats outside of the planning area may become limited. This may create isolated populations in areas where habitats remain intact. The degree of impact would depend on the timing of development activities and whether the amount of activity outpaces the successful reclamation and revegetation efforts in disturbed areas. Because of this pace of development (whether federal mineral, commercial, or private residence), more pressure would be put on habitats outside of the development (likely private lands) as wildlife is displaced from the disturbances.*

*Impacts on wildlife would likely occur under all alternatives because of the loss of habitat. The success of disturbed land reclamation, both short- and long-term, would determine the duration of impacts. Given the constancy of all other stressors, the potential for cumulative impacts would be greatest under Alternative A because of anticipated increases in development and fewer restrictions on such activity on public lands.*

There are no pending APD actions for any of the proposed parcels. Potentially significant impacts to migration and big game habitats were forecast to occur as a result of development in the approved project areas. These parcels would contribute and potentially expand the environmental effects. Within the Green River RMP FEIS (at 462) impact analysis indicates that “the capability of habitat to meet herd unit objective levels would likely be significantly affected” in the Sublette HU. Development of parcels in combination with other existing and/or future development could contribute to these significant impacts.

Where parcels are located outside of approved project areas, and if they are developed, an increase in exploratory activity could occur if conditions are favorable. Due to the scattered nature of the parcels, this activity could occur where there is little to no development currently. Due to the fractured nature of the fluid mineral estate in the HPD and in SE WY, most development is being sited on private or state lands resulting in off-lease federal production. In these cases, the State of Wyoming has primary jurisdiction for ensuring operations are compliant with state rules for the protection of surface lands.

The likelihood of an increase in activity in the HDD is likely low while continued exploratory and some development activity increases in the HPD. Exploratory and development activity could increase in the WR/BBD due to the number of previously nominated parcels, however, it is unknown as to what extent. Typically, less than 50% of all leases issued are explored. Further information concerning BLM leasing statistics can be located at: <https://www.blm.gov/programs-energy-and-minerals-oil-and-gas-oil-and-gas-statistics>. Results of this lease sale are expected to be consistent. To the extent that existing oil and gas development is affecting big game herds, those impacts are expected to continue. New development would be consistent with current projections in the RMPs and are not expected to be at a level that would cause significant impacts beyond those reflected in the RMP FEIS'. Impacts from other risk factors are expected to continue.

Best management practices will be considered and where required by stipulation, a mitigation plan will be developed to ensure that RMP objectives are achieved. Lease Notices and coordination with State Agencies will ensure cooperation and coordination across jurisdictions increasing the consistency in application of mitigation and consideration of cumulative impacts. Master development plans will be considered as appropriate.

Conditions at the time an APD is submitted will be assessed for significance; the need for additional mitigation will also be determined at the time development is proposed. All future projects will under-go site-specific review, and preparation of an environmental record of review will occur in accordance with Federal law, regulation, and policy.

While parcels containing lands within the designated migration corridors are being offered without any stipulations controlling occupancy, those parcels which contain mapped migratory corridor boundaries have sufficient acreage outside of the affected habitat to site infrastructure, should the parcel move to development. The State of Wyoming/WGFD, has not objected to offering any of the parcels proposed to be offered. The two agencies continue to cooperate in accordance with Secretarial Order 3362 and the BLM-WGFD Memorandum of Understanding.

All oil and gas projects in the state are subject to State of Wyoming rules and require approval of an Application for Permit to Drill by both agencies if the proposal involves production of the Federal mineral estate.

Monitoring and the use of adaptive management will continue in accordance with any applicable decision. As data is collected and made available, it will be considered at the time development is proposed, if a parcel is sold, a lease issued and development proposed.

Additional information on cumulative impacts to big game and big game habitats are provided in the ARMPA at pages 4-423 – 4-427, 4-562, 4-508; the Pinedale RMP FEIS 4-294 – 296, GR RMP FEIS 462.

In consideration of the above, no significant cumulative impacts are expected from the offering of the one parcel located in mule deer CWR or to migrating animals and/or the continued use and function of the Baggs migration corridor from offering the proposed parcels for sale.

## **4.0 Appendices**

### **4.1 Lease Sale Parcel List with Proposed Stipulations and Noted Deletions/Deferrals**

**WY202X-XX-1081**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 63 W., 6TH PM

Sec. 2 LOTS 2 thru 4;

Sec. 2 S1/2NE1/4,

S1/2NW1/4,SW1/4,N1/2SE1/4;

Sec. 3 LOTS 1 thru 4;

Sec. 3

S1/2NE1/4,S1/2NW1/4,S1/2;

Sec. 4 SE1/4SE1/4;

Sec. 6 LOTS 1, 2;

Sec. 6 S1/2NE1/4.

Niobrara County

1348.82 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY NFO\_NSO\_BEN**

BLM Stipulations for Bald

Eagle Nests

**WY NFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016652

**WY202X-XX-1086**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 63 W., 6TH PM

Sec. 7 NE1/4;

Sec. 8 NW1/4NE1/4, NW1/4,

N1/2SW1/4, NW1/4SE1/4;

Sec. 10 W1/2,S1/2SE1/4.

Niobrara County

880 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016653

**WY202X-XX-7154**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 63 W., 6TH PM

Sec. 14 S1/2SE1/4,

SE1/4SW1/4;

Sec. 15 N1/2NE1/4,

SE1/4SE1/4;

Sec. 22 NE1/4NE1/4,

W1/2NW1/4,W1/2SW1/4,

SE1/4SW1/4;

Sec. 23 NW1/4NE1/4,

N1/2NW1/4;

Sec. 24 W1/2SW1/4,

SW1/4NW1/4.

Niobrara County

720 Acres

Stipulations:

**WY NFO\_CSU\_IT**

BLM Stipulations for Historic  
Trails 1/4 mile

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to  
coal leasing  
EOI# WY00016654

**WY202X-XX-7157**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 63 W., 6TH PM

Sec. 20 NE1/4,  
NE1/4NW1/4,S1/2NW1/4,N1/2  
SW1/4,N1/2SE1/4;  
Sec. 21 ALL;  
Sec. 27 W1/2, SE1/4;  
Sec. 28  
N1/2NE1/4,N1/2NW1/4,SW1/4  
NW1/4, W1/2SW1/4;  
Sec. 30 E1/2SW1/4;  
Sec. 31 LOTS 1, 2;  
Sec. 31 SE1/4NW1/4.  
Niobrara County

2037.7 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area  
Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act

requirements with respect to  
coal leasing  
EOI# WY00016655

**WY202X-XX-1091**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 63 W., 6TH PM

Sec. 29 E1/2SE1/4,  
SW1/4SE1/4;  
Sec. 32 E1/2, E1/2NW1/4,  
SW1/4;  
Sec. 33 W1/2NE1/4, NW1/4.  
Niobrara County  
920 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area  
Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016658

**WY202X-XX-7151**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 63 W., 6TH PM

Sec. 1 LOTS 1;  
Sec. 1 SE1/4NE1/4,  
SW1/4NW1/4, W1/2SW1/4,  
SW1/4SE1/4, NE1/4SE1/4;  
Sec. 2 SE1/4SE1/4;  
Sec. 6 LOTS 3 thru 7;  
Sec. 6  
S1/2NE1/4,SE1/4NW1/4,E1/2S  
W1/4,N1/2SE1/4,SW1/4SE1/4;  
Sec. 7 LOTS 1 thru 4.  
Niobrara County

1010.89 Acres

Stipulations:

**WY NFO\_NSO\_BEN**

BLM Stipulations for Bald  
Eagle Nests

**WY NFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing



EOI# WY00016659

**WY202X-XX-0862**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 63 W., 6TH PM

Sec. 8 NW1/4NE1/4.

Niobrara County

40 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016367

**WY202X-XX-7149**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 63 W., 6TH PM

Sec. 11 NE1/4SE1/4;

Sec. 12 W1/2NW1/4,

S1/2SW1/4;

Sec. 13 N1/2NE1/4,

E1/2NW1/4, S1/2SW1/4,  
NE1/4SE1/4,S1/2SE1/4.

Niobrara County

560 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016660

**WY202X-XX-7150**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 63 W., 6TH PM

Sec. 17 SW1/4NW1/4,

N1/2NW1/4;

Sec. 18 E1/2;

Sec. 19 NE1/4;

Sec. 20 W1/2NE1/4,

SW1/4NW1/4,W1/2SE1/4.

Niobrara County

800 Acres

Stipulations:

**WY NFO\_NSO\_BEN**

BLM Stipulations for Bald  
Eagle Nests

**WY NFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016661

**WY202X-XX-1076**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 63 W., 6TH PM

Sec. 24 NW1/4NW1/4,

N1/2NE1/4, SE1/4NE1/4,

NE1/4SE1/4, S1/2SW1/4,

S1/2SE1/4;

Sec. 25 W1/2NE1/4;

Sec. 26 NE1/4,

W1/2NW1/4,W1/2SW1/4;

Sec. 27 NW1/4;

Sec. 28 N1/2SE1/4,

SE1/4SE1/4.

Niobrara County

1040 Acres  
 Stipulations:  
**WY NFO\_CSU\_LCFA**  
 BLM Stipulations for Lance  
 Creek Fossil Area  
 Paleontological Values  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016662

**WY202X-XX-1213**  
 WY, Newcastle Field Office,  
 Bureau of Land Management,  
 PD  
T. 37 N., R. 63 W., 6TH PM  
 Sec. 28 W1/2NW1/4,  
 NW1/4SW1/4;  
 Sec. 29 E1/2NE1/4, N1/2SE1/4.  
 Niobrara County  
 280 Acres  
 Stipulations:  
**WY NFO\_CSU\_LCFA**  
 BLM Stipulations for Lance  
 Creek Fossil Area  
 Paleontological Values  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to

Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016686

**WY202X-XX-1077**  
 WY, Newcastle Field Office,  
 Bureau of Land Management,  
 PD  
T. 37 N., R. 63 W., 6TH PM  
 Sec. 30 LOTS 1 thru 4;  
 Sec. 30 E1/2NW1/4,  
 NE1/4SW1/4, NW1/4SE1/4;  
 Sec. 31 E1/2NE1/4,  
 NW1/4NE1/4, E1/2SE1/4;  
 Sec. 32 NW1/4NW1/4;  
 Sec. 33 NE1/4, NE1/4SE1/4;  
 Sec. 35 SW1/4SE1/4.  
 Niobrara County  
 803.92 Acres  
 Stipulations:  
**WY NFO\_CSU\_LCFA**  
 BLM Stipulations for Lance  
 Creek Fossil Area  
 Paleontological Values  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016663

**WY202X-XX-7081**  
 WY, Newcastle Field Office,  
 Forest Service: THUNDER  
 BASIN NG, PD  
T. 42 N., R. 63 W., 6TH PM  
 Sec. 3 S1/2;  
 Sec. 8 S1/2.  
 Weston County  
 640 Acres  
 Stipulations:  
**TBNG2002-CSU-03**  
 SMA Stipulations for Fossils  
**TBNG2002-NSO-02**  
 SMA Stipulations for Slopes  
 Between 25-40%  
 For the following lands:  
 T. 42 N., R. 63 W., 6TH PM,  
 Sec. 3 S1/2 (PORTIONS OF  
 S1/2); Sec. 8 S1/2 (PORTIONS  
 OF NE1/4SW1/4, S1/2SW1/4,  
 W1/2SE1/4);  
**TBNG2002-NSO-06**  
 SMA Stipulations for Golden  
 Eagle, Merlin,  
 Ferruginous/Swainson's Hawk,  
 & Burrowing Owl Nests  
 For the following lands:  
 T. 42 N., R. 63 W., 6TH PM,  
 Sec. 3 S1/2 (PORTIONS OF  
 SW1/4SW1/4); Sec. 8 S1/2;

**TBNG2002-TL-01**

SMA Stipulations for  
Ferruginous & Swainson's hawk  
nests

For the following lands:

T. 42 N., R. 63 W., 6TH PM,  
Sec. 3 S1/2 (SW1/4SW1/4;  
PORTIONS OF N1/2SW1/4,  
SE1/4SW1/4); Sec. 8 S1/2  
(PORTIONS OF S1/2SW1/4,  
SW1/4SE1/4);

**TBNG-R2-FS-2820-13 Lease Notice**

SMA Stipulations for Forest  
Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016681

**WY202X-XX-7124**

WY, Rawlins Field Office,  
Bureau of Land Management,  
PD

T. 17 N., R. 64 W., 6TH PM

Sec. 12 E1/2SW1/4, SE1/4;  
Sec. 18 LOTS 1,2;

Sec. 18 NE1/4, E1/2NW1/4.  
Laramie County

557.31 Acres

Stipulations:

**WY RFO\_TLS\_MPN**

BLM Stipulations for Mountain  
Plover Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016645

**WY202X-XX-0938**

WY, Rawlins Field Office,  
Bureau of Land Management,  
PD

T. 18 N., R. 64 W., 6TH PM

Sec. 12 E1/2NW1/4.

Laramie County

80 Acres

Stipulations:

**WY RFO\_TLS\_MPN**

BLM Stipulations for Mountain  
Plover Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015843

**WY202X-XX-7169**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 64 W., 6TH PM

Sec. 1 LOTS 4;

Sec. 1 SW1/4NW1/4,  
E1/2SW1/4, SE1/4;

Sec. 2 LOTS 1 thru 4;  
Sec. 2

S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 3 LOTS 3, 4;

Sec. 3 S1/2NW1/4, SW1/4;

Sec. 5 LOTS 1 thru 4;

Sec. 5 S1/2NE1/4, S1/2NW1/4,  
S1/2;

Sec. 6 LOTS 1, 2, 5, 6, 7;

Sec. 6 S1/2NE1/4,  
SE1/4NW1/4, SE1/4SW1/4,  
S1/2SE1/4.

Niobrara County

2403.78 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance  
Creek Fossil Area

Paleontological Values

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016665

**WY202X-XX-1114**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 36 N., R. 64 W., 6TH PM

Sec. 7 LOTS 1 thru 4;

Sec. 7 SE1/4NW1/4, E1/2SW1/4;

Sec. 11 W1/2NE1/4, NW1/4SE1/4, S1/2SE1/4;

Sec. 13 SW1/4NW1/4, NW1/4SW1/4, E1/2SW1/4, SW1/4SE1/4.

Niobrara County

706.4 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance Creek Fossil Area

Paleontological Values

**WY NFO\_NSO\_RN**

BLM Stipulations for Raptor Nests

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016666

**WY202X-XX-7171**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 36 N., R. 64 W., 6TH PM

Sec. 18 LOTS 2 thru 4;

Sec. 18 NE1/4,SE1/4NW1/4;

Sec. 19 LOTS 1 thru 4;

Sec. 19

E1/2NW1/4,E1/2SW1/4, E1/2; Sec. 25 SE1/4NE1/4, SW1/4SE1/4.

Niobrara County

1088.55 Acres

Stipulations:

**WY NFO\_NSO\_BEN**

BLM Stipulations for Bald Eagle Nests

**WY NFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nesting

**WY\_NFO\_TLS\_PHMAC**

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats - Priority Management Areas (PMAs)

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016667

**WY202X-XX-1113**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 64 W., 6TH PM

Sec. 28 E1/2SW1/4.

Niobrara County

80 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance

Creek Fossil Area

Paleontological Values

**WY Std Lease Notice No. 1**

BLM Lease Notice for

Reasonable Measures to

Minimize Adverse Impacts to

Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National

Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic

Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for

Endangered Species Act Section

7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple

Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for

Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to

coal leasing

EOI# WY00016667

**WY202X-XX-1107**

WY, Newcastle Field Office,

Bureau of Land Management,

PD

T. 36 N., R. 64 W., 6TH PM

Sec. 30 SE1/4NE1/4;

Sec. 31 SE1/4;

Sec. 34 S1/2.

Niobrara County

520 Acres

Stipulations:

**WY NFO\_CSU\_LCFA**

BLM Stipulations for Lance

Creek Fossil Area

Paleontological Values

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor

Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for

Reasonable Measures to

Minimize Adverse Impacts to

Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National

Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic

Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for

Endangered Species Act Section

7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple

Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for

Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to

coal leasing

EOI# WY00016668

**WY202X-XX-7016**

WY, Newcastle Field Office,

Forest Service: THUNDER

BASIN NG, ACQ

T. 48 N., R. 65 W., 6TH PM

Sec. 8 W1/2NE1/4,

NW1/4SE1/4;

Sec. 17 SW1/4NW1/4,

N1/2SW1/4, SE1/4SW1/4,

SE1/4.

Weston County

440 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG2002-CSU-07**

BLM Stipulations for Scenery-

Scenic Integrity Areas

For the following lands:

T. 48 N., R. 65 W., 6TH PM,

Sec. 8 W1/2NE1/4,

NW1/4SE1/4 ; Sec. 17

SW1/4NW1/4, N1/2SW1/4,

SE1/4SW1/4, SE1/4;

**TBNG2002-NSO-02**

SMA Stipulations for Slopes

Between 25-40%

For the following lands:

T. 48 N., R. 65 W., 6TH PM,

Sec. 8 W1/2NE1/4,

NW1/4SE1/4 (PORTIONS OF

NW1/4SE1/4); Sec. 17

SW1/4NW1/4, N1/2SW1/4,

SE1/4SW1/4, SE1/4;

**TBNG2002-TL-01**

SMA Stipulations for

Ferruginous & Swainson's hawk

nests

For the following lands:

T. 48 N., R. 65 W., 6TH PM,

Sec. 8 W1/2NE1/4,

NW1/4SE1/4; Sec. 17

SW1/4NW1/4, N1/2SW1/4,

SE1/4SW1/4, SE1/4

(PORTIONS OF

SW1/4NW1/4);

**TBNG-R2-FS-2820-13 Lease**

**Notice**

SMA Stipulations for Forest

Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for

Reasonable Measures to

Minimize Adverse Impacts to

Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National

Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic

Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for

Endangered Species Act Section

7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple

Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016628

**WY202X-XX-1316**

WY, Newcastle Field Office,  
Bureau of Land Management,  
PD

T. 38 N., R. 66 W., 6TH PM

Sec. 1 SE1/4NE1/4,SW1/4;  
Sec. 2 LOTS 3,4;  
Sec. 2 S1/2NW1/4,S1/2;  
Sec. 11 NW1/4, N1/2SW1/4,  
SE1/4SW1/4, SE1/4.

Niobrara County

1119.72 Acres

Stipulations:

**WY NFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY NFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act

requirements with respect to  
coal leasing

**WY SW\_CSU\_PHMA**

BLM Stipulations for Greater  
Sage-Grouse Priority Habitat  
Management Areas (PHMAs) -  
Core Only

**WY SW\_TLS\_PHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Inside Priority Habitat  
Management Areas (Core only)

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater  
Sage-Grouse Winter  
Concentration Areas  
EOI# WY00015002

**WY202X-XX-7020**

WY, Newcastle Field Office,  
Forest Service: THUNDER  
BASIN NG, PD

T. 48 N., R. 66 W., 6TH PM

Sec. 4 SW1/4NW1/4;

Sec. 5 SE1/4NE1/4.

Weston County

80 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG-R2-FS-2820-13 Lease Notice**

SMA Stipulations for Forest  
Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016624

**WY202X-XX-0934**

WY, Newcastle Field Office,  
Forest Service: THUNDER  
BASIN NG, PD

T. 48 N., R. 66 W., 6TH PM

Sec. 13

NW1/4NE1/4,SE1/4NE1/4;  
Sec. 13 NE1/4NE1/4 (EXCL  
1.30 AC IN RR ROW

WYW0119068).

Weston County

118.7 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG2002-CSU-07**

BLM Stipulations for Scenery-  
Scenic Integrity Areas

**TBNG2002-NSO-01**

BLM Stipulations for Slopes >  
40%

For the following lands:

T. 48 N., R. 66 W., 6TH PM,  
Sec. 13

NW1/4NE1/4,SE1/4NE1/4  
(PORTIONS OF NW1/4NE1/4,  
SE1/4NE1/4), NE1/4NE1/4  
(EXCL 1.30 AC IN RR ROW  
WYW0119068);

**TBNG2002-NSO-02**

SMA Stipulations for Slopes  
Between 25-40%

For the following lands:

T. 48 N., R. 66 W., 6TH PM,  
Sec. 13

NW1/4NE1/4,SE1/4NE1/4  
(PORTIONS OF NW1/4NE1/4,  
SE1/4NE1/4), NE1/4NE1/4  
(EXCL 1.30 AC IN RR ROW  
WYW0119068)nPORTIONS  
OF NE1/4NE1/4 EXCL 1.30  
AC IN RR ROW  
WYW0119068;;

**TBNG2002-NSO-06**

SMA Stipulations for Golden  
Eagle, Merlin,

Ferruginous\Swainson's Hawk,  
& Burrowing Owl Nests  
For the following lands:  
T. 48 N., R. 66 W., 6TH PM,  
Sec. 13  
NW1/4NE1/4,SE1/4NE1/4  
(PORTIONS OF NW1/4NE1/4,  
SE1/4NE1/4)n, NE1/4NE1/4  
(EXCL 1.30 AC IN RR ROW  
WYW0119068)n(PORTIONS  
OF NE1/4NE1/4 EXCL 1.30  
AC IN RR ROW  
WYW0119068);  
**TBNG2002-NSO-07**  
BLM Stipulations for Sharp-  
tailed Grouse and Sage Grouse  
Display Grounds  
**TBNG2002-TL-02**  
SMA Stipulations for Golden  
Eagle Nests  
For the following lands:  
T. 48 N., R. 66 W., 6TH PM,  
Sec. 13  
NW1/4NE1/4,SE1/4NE1/4  
(NW1/4NE1/4, SE1/4NE1/4),  
NE1/4NE1/4 (EXCL 1.30 AC  
IN RR ROW  
WYW0119068)n(NE1/4NE1/4  
EXCL 1.30 AC IN RR ROW  
WYW0119068);  
**TBNG2002-TL-04**  
BLM Stipulations for Sharp-  
tailed Grouse Display Grounds  
**TBNG-R2-FS-2820-13 Lease  
Notice**  
SMA Stipulations for Forest  
Service Notice  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016629  
  
**WY202X-XX-0869**  
WY, Newcastle Field Office,  
Bureau of Land Management,  
PD  
T. 49 N., R. 66 W., 6TH PM  
Sec. 28 LOTS 1 thru 16;  
Sec. 29 LOTS 1 thru 10;  
Sec. 32 LOTS 11;  
Sec. 33 LOTS 7,8.  
Crook County  
1183.24 Acres  
Stipulations:  
**WY NFO\_CSU\_BYRQTRM**  
BLM Stipulations for Black and  
Yellow Road Cultural and  
Scenic Values  
**WY NFO\_NSO\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY NFO\_TLS\_PHMAC**  
BLM Stipulations for Greater  
Sage-Grouse Breeding, Nesting  
and Early Brood-Rearing  
Habitats Inside PHMA  
(Connectivity only)  
**WY NFO\_TLS\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016284  
  
**WY202X-XX-7059**  
WY, Rawlins Field Office,  
Bureau of Land Management,  
PD  
T. 18 N., R. 67 W., 6TH PM  
Sec. 10 SE1/4NW1/4.  
Laramie County  
40 Acres  
Stipulations:  
**WY RFO\_TLS\_MPN**  
BLM Stipulations for Mountain  
Plover Nests  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016389

**WY202X-XX-1033**

WY, Casper Field Office, Bureau of Land Management, PD  
T. 40 N., R. 68 W., 6TH PM  
Sec. 20  
E1/2E1/2SW1/4,S1/2SE1/4;  
Sec. 23 N1/2;  
Sec. 24 NE1/4NW1/4;  
Sec. 25  
N1/2,N1/2SW1/4,SE1/4SW1/4,  
SE1/4.

Converse County  
1080 Acres

Stipulations:

**WY CFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nesting

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting Raptors

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing  
EOI# WY00016407

**WY202X-XX-6979**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 50 N., R. 68 W., 6TH PM  
Sec. 14 LOTS 1,2.

Crook County

82.95 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00016292

**WY202X-XX-0939**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 54 N., R. 68 W., 6TH PM  
Sec. 14 LOTS 2,5.

Crook County

80.95 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015842

**WY202X-XX-0940**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 54 N., R. 68 W., 6TH PM  
Sec. 20 LOTS 3,6.

Crook County

82.59 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties



**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015847

**WY202X-XX-6977**

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 54 N., R. 68 W., 6TH PM

Sec. 28 LOTS 1;

Sec. 29 LOTS 9.

Crook County

78.54 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing  
EOI# WY00016377

**WY202X-XX-7018**

WY, Newcastle Field Office, Forest Service: THUNDER BASIN NG, PD

T. 55 N., R. 68 W., 6TH PM

Sec. 19 W1/2.

Crook County

320 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG2002-NSO-02**

SMA Stipulations for Slopes Between 25-40%

For the following lands:

T. 55 N., R. 68 W., 6TH PM, Sec. 19 W1/2 (PORTIONS OF NE1/4NW1/4, S1/2NW1/4, N1/2SW1/4, SW1/4SW1/4) ;

**TBNG2002-NSO-07**

BLM Stipulations for Sharp-tailed Grouse and Sage Grouse Display Grounds

For the following lands:

T. 55 N., R. 68 W., 6TH PM, Sec. 19 W1/2 (PORTIONS OF NW1/4);

**TBNG2002-TL-04**

BLM Stipulations for Sharp-tailed Grouse Display Grounds

**TBNG-R2-FS-2820-13 Lease Notice**

SMA Stipulations for Forest Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016621

**WY202X-XX-7021**

WY, Casper Field Office, Bureau of Land Management, PD

T. 36 N., R. 69 W., 6TH PM

Sec. 23

N1/2NE1/4,NW1/4NW1/4;

Sec. 24

N1/2,S1/2SW1/4,NE1/4SE1/4,S 1/2SE1/4;

Sec. 25

N1/2,SW1/4,N1/2SE1/4;

Sec. 26

NE1/4NE1/4,S1/2NE1/4,SE1/4.

Converse County

1480 Acres

Stipulations:

**WY CFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nesting

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting Raptors

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00015969

**WY202X-XX-7193**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 39 N., R. 69 W., 6TH PM

Sec. 20 NW1/4NW1/4,  
SW1/4SW1/4.

Converse County

80 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016650

**WY202X-XX-7126**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 40 N., R. 69 W., 6TH PM

Sec. 11 SE1/4SW1/4;

Sec. 12 SW1/4.

Converse County

200 Acres

Stipulations:

**WY CFO\_NSO\_BEN**

BLM Stipulations for Bald  
Eagle Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016411

**WY202X-XX-1083**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 41 N., R. 69 W., 6TH PM

Sec. 1 LOTS 5,6,11 thru 14,20;

Sec. 2 LOTS 7 thru 10,15 thru  
18;

Sec. 9 LOTS 9, 15, 16;

Sec. 10 SE1/4NE1/4;

Sec. 11 LOTS 4,5.

Campbell County

841.19 Acres

Stipulations:

**WY BFO\_CSU\_EC**

BLM Stipulations for Elk

Calving Areas

**WY BFO\_CSU\_ECWC**

BLM Stipulations for Elk

Crucial Winter Range and Elk  
Calving Areas

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes  
Greater than 50%

**WY BFO\_TLS\_EC**

BLM Stipulations for Elk  
Calving Areas

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to

Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00016445

**WY202X-XX-7152**

WY, Casper Field Office, Bureau of Land Management, PD

T. 41 N., R. 69 W., 6TH PM

Sec. 33 LOTS 9, 10, 15, 16;  
Sec. 34 LOTS 5, 6, 11 thru 14.  
Converse County  
383.84 Acres

Stipulations:

**WY CFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nesting

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting Raptors

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00016449

**WY202X-XX-7123**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 42 N., R. 69 W., 6TH PM

Sec. 25 LOTS 2 thru 4;  
Sec. 26 LOTS 1,4;  
Sec. 35 LOTS 1 thru 16.  
Campbell County  
906.89 Acres

Stipulations:

**WY BFO\_CSU\_EC**

BLM Stipulations for Elk Calving Areas

**WY BFO\_CSU\_ECWC**

BLM Stipulations for Elk Crucial Winter Range and Elk Calving Areas

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_TLS\_EC**

BLM Stipulations for Elk Calving Areas

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting,

etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016583

**WY202X-XX-0942**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 44 N., R. 69 W., 6TH PM

Sec. 18 LOTS 5 thru 8, 11.

Campbell County

205.27 Acres

Stipulations:

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor

Nests. Within spatial buffers

recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**  
**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.

Mineral Leasing Act  
requirements with respect to

coal leasing

EOI# WY00016073

**WY202X-XX-7012**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 45 N., R. 69 W., 6TH PM

Sec. 13 LOTS 5,9,10;

Sec. 14 LOTS 1,2,7 thru  
10,15,16;

Sec. 23 LOTS 1,2,7,8,10 thru  
13;

Sec. 24 LOTS 4,5;

Sec. 25 LOTS 5,6;

Sec. 26 LOTS 3 thru 8.

Campbell County

1197.7 Acres

Stipulations:

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor

Nests. Within spatial buffers

recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.

Mineral Leasing Act  
requirements with respect to

coal leasing

EOI# WY00016087

**WY202X-XX-6985**

WY, Buffalo Field Office,  
Forest Service: THUNDER  
BASIN NG, ACQ

T. 54 N., R. 69 W., 6TH PM

Sec. 24 LOTS 1 thru 8.

Campbell County

325.21 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG2002-NSO-01**

BLM Stipulations for Slopes >  
40%

For the following lands:

T. 54 N., R. 69 W., 6TH PM,  
Sec. 24 LOTS 1-8 (PORTIONS  
OF LOTS 1-4, 6-8);

**TBNG2002-NSO-02**

SMA Stipulations for Slopes  
Between 25-40%

For the following lands:

T. 54 N., R. 69 W., 6TH PM,  
Sec. 24 LOTS 1-8 (PORTIONS  
OF LOTS 1-4, 6-8);

**TBNG-R2-FS-2820-13 Lease  
Notice**

SMA Stipulations for Forest  
Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016622

**WY202X-XX-7019**

WY, Buffalo Field Office,  
Forest Service: THUNDER  
BASIN NG, ACQ

. 54 N., R. 69 W., 6TH PM

Sec. 25 LOTS 1 thru 4.

Campbell County

164.37 Acres

Stipulations:

**TBNG2002-CSU-03**

SMA Stipulations for Fossils

**TBNG2002-NSO-02**

SMA Stipulations for Slopes  
Between 25-40%

For the following lands:

T. 54 N., R. 69 W., 6TH PM,  
Sec. 25 LOTS 1-4 (PORTIONS  
OF LOTS 1-4);

**TBNG-R2-FS-2820-13 Lease  
Notice**

SMA Stipulations for Forest  
Service Notice

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016623

**WY202X-XX-7215**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 37 N., R. 70 W., 6TH PM

Sec. 4 SE1/4SW1/4, SE1/4;

Sec. 5 LOTS 1 thru 4;

Sec. 5 S1/2NE1/4, S1/2NW1/4,  
SW1/4SE1/4;

Sec. 9 N1/2NE1/4.

Converse County

636.41 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00017099

**WY202X-XX-1131**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 40 N., R. 70 W., 6TH PM

Sec. 3 LOTS 8;

Sec. 4 LOTS 12.

Converse County

35.64 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016417

**WY202X-XX-7048**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 45 N., R. 70 W., 6TH PM

Sec. 13 LOTS 11 thru 14;  
Sec. 24 LOTS 1 thru 6, 8.

Campbell County

453.17 Acres

Stipulations:

**WY BFO\_CSU\_GSGRH**

BLM Stipulations for Greater Sage-Grouse Habitat Restoration

**WY BFO\_CSU\_PHMAC**

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (Connectivity Only)

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_SSRN**

BLM Stipulations for Raptor Nest Sites (Special Status Species)

**WY BFO\_TLS\_PHMAL**

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)

**WY BFO\_TLS\_SSRN**

BLM Stipulations for Raptor Nests (Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016085

**WY202X-XX-0943**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 47 N., R. 70 W., 6TH PM

Sec. 13 LOTS 2,7,10,15.

Campbell County

160.93 Acres

Stipulations:

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**  
BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016074

**WY202X-XX-1210**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 57 N., R. 70 W., 6TH PM

Sec. 27 S1/2NW1/4,

N1/2SW1/4, W1/2SE1/4;

Sec. 33  
S1/2NE1/4,N1/2SE1/4,SE1/4SE  
1/4;  
Sec. 34 NW1/4NE1/4;  
Sec. 35  
W1/2NE1/4,NW1/4,S1/2;  
Sec. 36 SW1/4SW1/4.  
Campbell County  
1080 Acres  
Stipulations:  
**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species  
**WY BFO\_CSU\_H20500F**  
BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
springs, reservoirs, etc.  
**WY BFO\_CSU\_RN**  
BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS  
**WY BFO\_CSU\_SE**  
BLM Stipulations for Soil  
Erosion  
**WY BFO\_CSU\_Slopes25to50**  
BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%  
**WY BFO\_CSU\_SLR**  
BLM Stipulations for Limited  
Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife  
Habitat for Special Status  
Species  
**WY BFO\_TLS\_NSSRN**  
BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)  
**WY BFO\_TLS\_SSRN**  
BLM Stipulations for Raptor  
Nests (Special Status Species)  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00017024  
  
**WY202X-XX-1277**  
WY, Buffalo Field Office,  
Bureau of Land Management,  
PD  
T. 57 N., R. 70 W., 6TH PM  
Sec. 33 N1/2NE1/4.  
Campbell County  
80 Acres  
Stipulations:  
**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species  
**WY BFO\_CSU\_H20500F**  
BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
springs, reservoirs, etc.  
**WY BFO\_CSU\_RN**  
BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife  
Habitat for Special Status  
Species  
**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)  
**WY BFO\_TLS\_SSRN**  
BLM Stipulations for Raptor  
Nests (Special Status Species)  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00017091  
  
**WY202X-XX-7015**  
WY, Buffalo Field Office,  
Forest Service: THUNDER  
BASIN NG, PD  
T. 53 N., R. 71 W., 6TH PM  
Sec. 1 LOTS 5 thru 12.  
Campbell County  
319.27 Acres  
Stipulations:  
**TBNG2002-CSU-03**  
SMA Stipulations for Fossils  
**TBNG2002-CSU-07**  
BLM Stipulations for Scenery-  
Scenic Integrity Areas  
For the following lands:  
T. 53 N., R. 71 W., 6TH PM,  
Sec. 1 LOTS 5-12;  
**TBNG2002-NSO-01**

BLM Stipulations for Slopes > 40%  
 For the following lands:  
 T. 53 N., R. 71 W., 6TH PM,  
 Sec. 1 LOTS 5-12 (PORTIONS OF LOT 11);  
**TBNG2002-NSO-02**  
 SMA Stipulations for Slopes Between 25-40%  
 For the following lands:  
 T. 53 N., R. 71 W., 6TH PM,  
 Sec. 1 LOTS 5-12 (PORTIONS OF LOTS 5-12);  
**TBNG-R2-FS-2820-13 Lease Notice**  
 SMA Stipulations for Forest Service Notice  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016630  
  
**WY202X-XX-1234**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 71 W., 6TH PM

Sec. 3 LOTS 5 thru 12, 14 thru 19;  
 Sec. 3 SE1/4.  
 Campbell County  
 715.68 Acres  
 Stipulations:  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00017023  
  
**WY202X-XX-1274**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 71 W., 6TH PM  
 Sec. 5 LOTS 5,12 thru 14,19,20;  
 Sec. 6 LOTS 8 thru 15  
 Campbell County  
 558.58 Acres  
 Stipulations:  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**



BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_NSO\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00017091

**WY202X-XX-1130**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 71 W., 6TH PM  
 Sec. 1 LOTS 8.  
 Campbell County  
 40.16 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016651  
  
**WY202X-XX-1276**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 71 W., 6TH PM  
 Sec. 31 LOTS 5,6;  
 Sec. 31  
 NE1/4,E1/2NW1/4,N1/2SE1/4,S W1/4SE1/4.  
 Campbell County  
 439.73 Acres  
 Stipulations:  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00017091

**WY202X-XX-1032**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 54 N., R. 72 W., 6TH PM

Sec. 5 LOTS 5, 6, 8 thru 10;

Sec. 10 LOTS 1 thru 16;

Sec. 11 LOTS 1 thru 13;

Sec. 12 LOTS 1 thru 11;

Sec. 13 LOTS 1 thru 14.

Campbell County

2456.76 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015890

**WY202X-XX-1036**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 54 N., R. 72 W., 6TH PM

Sec. 14 LOTS 1 thru 16;

Sec. 15 LOTS 1 thru 16;

Sec. 22 LOTS 1 thru 10;

Sec. 23 LOTS 1 thru 16.

Campbell County

2453.01 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015891

**WY202X-XX-1043**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 54 N., R. 72 W., 6TH PM  
 Sec. 26 LOTS 1 thru 10;  
 Sec. 27 LOTS 1 thru 15;  
 Sec. 28 LOTS 1 thru 16;  
 Sec. 33 LOTS 1 thru 4,6 thru 8.  
 Campbell County  
 1971.94 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015892  
  
**WY202X-XX-7074**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 55 N., R. 72 W., 6TH PM  
 Sec. 23 LOTS 1 thru 8, 11 thru 14;  
 Sec. 24 LOTS 1 thru 16;  
 Sec. 25 LOTS 1, 2, 9, 10, 15, 16;  
 Sec. 26 LOTS 1 thru 16;  
 Sec. 32 LOTS 2.  
 Campbell County  
 2075.66 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015894  
  
**WY202X-XX-7031**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 72 W., 6TH PM

Sec. 1 NW1/4SE1/4;  
 Sec. 2 LOTS 7,17,21,22;  
 Sec. 2 SE1/4SW1/4.  
 Campbell County  
 208.28 Acres  
 Stipulations:  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSP**  
 BLM Stipulations for Ute Ladies'-Tresses Orchid Habitat  
**WY BFO\_CSU\_SSPF**  
 BLM Stipulations for Plant Habitats for Special Status Species  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_NSO\_SSP**  
 BLM Stipulations for Plant Populations (Special Status Species)  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015815  
  
**WY202X-XX-7029**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 72 W., 6TH PM  
 Sec. 3 LOTS 5 thru 13;  
 Sec. 4 LOTS 5,9 thru 11,14,16;  
 Sec. 4 SW1/4,W1/2SE1/4.  
 Campbell County  
 731.28 Acres  
 Stipulations:  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSP**

BLM Stipulations for Ute Ladies'-Tresses Orchid Habitat

**WY BFO\_CSU\_SSPF**

BLM Stipulations for Plant Habitats for Special Status Species

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_NSO\_SSP**

BLM Stipulations for Plant Populations (Special Status Species)

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015816

**WY202X-XX-7030**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 5 LOTS 6 thru 11, 13 thru 16;

Sec. 5 S1/2;

Sec. 6 SE1/4.

Campbell County

874.26 Acres

Stipulations:

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Area  
EOI# WY00015818

**WY202X-XX-0967**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 7 NE1/4;

Sec. 8 LOTS 1;

Sec. 8

NW1/4, NE1/4SW1/4, N1/2SE1/4.

Campbell County

490 Acres

Stipulations:

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes  
Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015822

**WY202X-XX-7024**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 56 N., R. 72 W., 6TH PM

Sec. 9

W1/2NW1/4, W1/2SW1/4, SE1/4

.

Campbell County

320 Acres

Stipulations:

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_LN\_UW**

BLM Lease Notice for  
Unplugged Wellbore(s) and/or  
other Facilities

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes  
Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015824

**WY202X-XX-7075**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 56 N., R. 72 W., 6TH PM

Sec. 9 NE1/4NW1/4.

Campbell County

40 Acres

Stipulations:

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015905  
  
**WY202X-XX-0953**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 72 W., 6TH PM  
 Sec. 10 SE1/4NE1/4, SE1/4; Sec. 11 N1/2NW1/4, SW1/4NW1/4.  
 Campbell County  
 320 Acres  
 Stipulations:  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015826  
  
**WY202X-XX-7025**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 72 W., 6TH PM  
 Sec. 15  
 NE1/4NE1/4,S1/2NE1/4,SE1/4.

Campbell County  
 280 Acres  
 Stipulations:  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015828

**WY202X-XX-0968**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 17 LOTS 5;  
Sec. 18 LOTS 5 thru 10;  
Sec. 18 NE1/4SW1/4;  
Sec. 19 LOTS 7,10;  
Sec. 20 LOTS 1,2.  
Campbell County  
289.11 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_NSO\_GHMAL**

BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015830

**WY202X-XX-0966**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 22 LOTS 2,4 thru 6;  
Sec. 22

NE1/4,NE1/4SW1/4,N1/2SE1/4

; Sec. 23 NE1/4, SW1/4.

Campbell County

686.03 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat



**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015834

**WY202X-XX-0955**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 24

N1/2, W1/2SW1/4, SE1/4;

Sec. 25

NE1/4, N1/2NW1/4, SE1/4NW1/4.

Campbell County

840 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSU\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015835

**WY202X-XX-1054**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 56 N., R. 72 W., 6TH PM

Sec. 26 TR 62;

Sec. 26 LOTS 5 thru 8;

Sec. 27 TR 62;

Sec. 34 TR 62;

Sec. 34 LOTS 1 thru 11,13,14;

Sec. 35 TR 62;

Sec. 35 LOTS 1 thru 3, 6, 7;

Sec. 35 NE1/4.

Campbell County

1316.71 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSU\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015908

**WY202X-XX-7026**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 57 N., R. 72 W., 6TH PM

Sec. 34

NE1/4,E1/2NW1/4,SW1/4NW1/4,E1/2SW1/4.

Campbell County

360 Acres

Stipulations:

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015841

**WY202X-XX-1110 WYW 190964**

WY, Casper Field Office, Bureau of Land Management, PD

T. 34 N., R. 73 W., 6TH PM

Sec. 32 SESW (EXCL 2.9 AC IN RSVR ROW WYC041610);

Sec. 32 NE1/4NE1/4,

E1/2NW1/4, NW1/4NW1/4,

N1/2SW1/4, SW1/4SW1/4;

Sec. 33 E1/2SE1/4 (EXCL .05 AC IN RSVR ROW

WYD05730);

Sec. 33 SE1/4NE1/4,

W1/2NE1/4,W1/2SE1/4.

Converse County

597.05 Acres

Stipulations:

**WY CFO\_CSU\_OT3M**

BLM Stipulations for Oregon Trail Cultural and Scenic Values (historic setting contributes to NRHP eligibility)

**WY CFO\_CSU\_OTQTRM**

BLM Stipulations for Oregon Trail Cultural and Scenic Values (historic setting does not contribute to NRHP eligibility)

**WY CFO\_NSO\_BEN**

BLM Stipulations for Bald Eagle Nests

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting Raptors

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00014761

**WY202X-XX-7195**  
 WY, Casper Field Office, Bureau of Land Management, PD  
T. 39 N., R. 73 W., 6TH PM  
 Sec. 15 N1/2NW1/4.  
 Converse County  
 80 Acres  
 Stipulations:  
**WY CFO\_TLS\_NR**  
 BLM Stipulations for Nesting Raptors  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016743

**WY202X-XX-7122**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 54 N., R. 73 W., 6TH PM  
 Sec. 2 LOTS 5, 10;  
 Sec. 8 LOTS 5, 7;  
 Sec. 9 LOTS 1 thru 16;  
 Sec. 14 LOTS 3, 4, 6;  
 Sec. 21 LOTS 1, 2;  
 Sec. 22 LOTS 8, 9;  
 Sec. 27 LOTS 4;  
 Sec. 28 LOTS 1, 2, 7, 13, 14;  
 Sec. 31 LOTS 11 thru 14, 19, 20;  
 Sec. 32 LOTS 3, 11 thru 14;  
 Sec. 34 LOTS 5, 12;  
 Sec. 35 LOTS 9, 10, 15, 16.  
 Campbell County  
 2007.63 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_H**  
 BLM Stipulations for Historic Properties Setting. Within 3 miles of named historic properties  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_SSRN**  
 BLM Stipulations for Raptor Nest Sites (Special Status Species)  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_SSRN**  
 BLM Stipulations for Raptor Nests (Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.

Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_NSO\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse Leks. Within 0.25-  
mile radius of occupied leks  
outside Priority Habitat  
Management Areas

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015893

**WY202X-XX-7174**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 55 N., R. 73 W., 6TH PM

Sec. 1 TR 39A-C,E-H;

Sec. 1 TR 64 A-C;

Sec. 1 LOTS 6 thru 8;

Sec. 2 TR 39 E;

Sec. 2 TR 64 C;

Sec. 2 LOTS 5 thru 9;

Sec. 11 TR 64 C, D;

Sec. 12 TR 64A-E,H;

Sec. 12 LOTS 1 thru 4, 6, 7;

Sec. 13 LOTS 2.

Campbell County

850.92 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_NSO\_SSRN**

BLM Stipulations for Raptor  
Nest Sites (Special Status  
Species)

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY BFO\_TLS\_SSRN**

BLM Stipulations for Raptor  
Nests (Special Status Species)

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.

Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015895

**WY202X-XX-7033**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 55 N., R. 73 W., 6TH PM

Sec. 5 TR 55;

Sec. 8 TR 55;

Sec. 8 TR 75;

Sec. 9 TR 60 D-F;

Sec. 9 LOTS 1;

Sec. 15 LOTS 1;

Sec. 16 LOTS 1;

Sec. 17 TR 75.

Campbell County

536.69 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015896

**WY202X-XX-7173**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 55 N., R. 73 W., 6TH PM  
 Sec. 14 TR 92E;  
 Sec. 14 TR 94D, 94E;  
 Sec. 14 LOTS 1;  
 Sec. 15 TR 92E;  
 Sec. 22 TR 92E;  
 Sec. 22 TR 94I;  
 Sec. 23 TR 94D-I;  
 Sec. 23 TR 92E;  
 Sec. 23 LOTS 2 thru 6;  
 Sec. 23 SW1/4, N1/2SE1/4, SW1/4SE1/4.  
 Campbell County  
 710.51 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_LN\_UW**  
 BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities  
**WY BFO\_NSO\_SSRN**  
 BLM Stipulations for Raptor Nest Sites (Special Status Species)  
**WY BFO\_TLS\_SSRN**  
 BLM Stipulations for Raptor Nests (Special Status Species)  
**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015900  
  
**WY202X-XX-7177**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 55 N., R. 73 W., 6TH PM  
 Sec. 15 TR 94 A-C;  
 Sec. 15 TR 92 B-D;  
 Sec. 16 TR 94 A;  
 Sec. 22 TR 100A,100B,100E,100F;  
 Sec. 22 TR 94B,94C,94J-O;  
 Sec. 22 TR 92C, 92D;  
 Sec. 22 LOTS 1;  
 Sec. 22 LOTS 2 N2;  
 Sec. 22 E1/2SE1/4;  
 Sec. 23 TR 94 J;  
 Sec. 27 TR 100 E-H.  
 Campbell County  
 819.62 Acres

Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_SSRN**  
 BLM Stipulations for Raptor Nest Sites (Special Status Species)  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_SSRN**  
 BLM Stipulations for Raptor Nests (Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015899  
  
**WY202X-XX-7032**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 55 N., R. 73 W., 6TH PM  
 Sec. 19 TR 106A;  
 Sec. 29 TR 104B, C;  
 Sec. 30 TR 106A, B;  
 Sec. 31 TR 109;  
 Sec. 32 TR 113E.  
 Campbell County  
 320 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_H**  
 BLM Stipulations for Historic Properties Setting. Within 3 miles of named historic properties  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_LN\_UW**  
 BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015898

**WY202X-XX-7135**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD  
T. 55 N., R. 73 W., 6TH PM  
Sec. 24 W2NE, W2SE, W1/2 OF  
TR 97;  
Sec. 24 LOTS 2 thru 5, 9, 10;  
Sec. 25 W2NE, W2SE, W1/2 OF  
TR 97;  
Sec. 26 NE1/4SE1/4.  
Campbell County  
686.8 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes Greater than 50%

**WY BFO\_NSO\_SSRN**

BLM Stipulations for Raptor Nest Sites (Special Status Species)

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY BFO\_TLS\_SSRN**

BLM Stipulations for Raptor Nests (Special Status Species)

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015902

**WY202X-XX-7077**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 56 N., R. 73 W., 6TH PM

Sec. 3 LOTS 5 thru 8;

Sec. 10 LOTS 4, 5, 9 thru 16

Campbell County

538.64 Acres

Stipulations:

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

3

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015909

**WY202X-XX-7078**  
WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
Sec. 4 LOTS 10-14 OF TRACT 50;  
Sec. 4 LOTS 5;  
Sec. 9 LOTS 1, 2, 7 thru 10, 15, 16.  
Campbell County  
531.82 Acres  
Stipulations:  
**WY BFO\_CSU\_SE**  
BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015919

**WY202X-XX-7079**  
WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
Sec. 4 LOTS 6 thru 9;  
Sec. 5 LOTS 5 thru 14;  
Sec. 8 LOTS 1.  
Campbell County  
587.31 Acres  
Stipulations:  
**WY BFO\_CSU\_Slopes25to50**  
BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLB**  
BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015920

**WY202X-XX-7028**  
WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
Sec. 14 LOTS 5,7,10 thru 15;  
Sec. 23 LOTS 1, 2;  
Sec. 24 LOTS 1 thru 3.  
Campbell County  
527.77 Acres  
Stipulations:  
**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_H20500F**  
BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_RN**  
BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_SLR**



BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_CSU\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Breeding Habitat. Within 0.25 mile of the perimeter of occupied sharp-tailed grouse leks  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015921  
  
**WY202X-XX-0961**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
 Sec. 15 LOTS 1, 2, 5, 7, 9, 10,12,13,16;  
 Sec. 22 LOTS 1.  
 Campbell County  
 404.46 Acres  
 Stipulations:  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015922  
  
**WY202X-XX-0960**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
 Sec. 18 LOTS 5, 6, 11 thru 14, 18 thru 20;  
 Sec. 19 LOTS 11, 12.  
 Campbell County  
 456.43 Acres  
 Stipulations:  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015923  
  
**WY202X-XX-7027**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 56 N., R. 73 W., 6TH PM  
 Sec. 20 LOTS 3 thru 6,11 thru 14;  
 Sec. 21 LOTS 4, 5,10;  
 Sec. 29 LOTS 3, 4.  
 Campbell County  
 532.79 Acres  
 Stipulations:  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery,

Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_NSO\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015924  
  
**WY202X-XX-0958**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD  
T. 56 N., R. 73 W., 6TH PM  
Sec. 23 LOTS 12 thru 16;  
Sec. 26 LOTS 1 thru 8.

Campbell County  
529.19 Acres  
Stipulations:  
**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species  
**WY BFO\_CSU\_PD**  
BLM Stipulations for Prairie  
Dog Colonies  
**WY BFO\_CSU\_R500F**  
BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.  
**WY BFO\_CSU\_Slopes25to50**  
BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%  
**WY BFO\_CSU\_SLR**  
BLM Stipulations for Limited  
Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat  
**WY BFO\_CSU\_SSWLB**  
BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife  
Habitat for Special Status  
Species  
**WY BFO\_CSU\_STG**  
BLM Stipulations for Sharp-  
Tailed Grouse Breeding Habitat.  
Within 0.25 mile of the  
perimeter of occupied sharp-  
tailed grouse leks  
**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No. 2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
**WY SW\_TLS\_GHMAI**  
BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015926  
  
**WY202X-XX-7134**  
WY, Buffalo Field Office,  
Bureau of Land Management,  
PD  
T. 56 N., R. 73 W., 6TH PM  
Sec. 26 LOTS 16;  
Sec. 27 LOTS 16;  
Sec. 32 LOTS 2, 7;  
Sec. 33 LOTS 3, 4;  
Sec. 35 LOTS 1, 2;  
Sec. 35  
NW1/4NW1/4,S1/2NW1/4,SE1/  
4SW1/4,SW1/4SE1/4.  
Campbell County  
464.96 Acres  
Stipulations:

**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species  
**WY BFO\_CSU\_H20500F**  
BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
springs, reservoirs, etc.  
**WY BFO\_CSU\_R500F**  
BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.  
**WY BFO\_CSU\_SLR**  
BLM Stipulations for Limited  
Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat  
**WY BFO\_CSU\_SSWLH**  
BLM Stipulations for Wildlife  
Habitat for Special Status  
Species  
**WY BFO\_NSO\_SSRN**  
BLM Stipulations for Raptor  
Nest Sites (Special Status  
Species)  
**WY BFO\_TLS\_SSRN**  
BLM Stipulations for Raptor  
Nests (Special Status Species)  
**WY BFO\_TLS\_STG**  
BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_NSO\_GHMAL**  
BLM Stipulations for Greater  
Sage-Grouse Leks. Within 0.25-  
mile radius of occupied leks  
outside Priority Habitat  
Management Areas  
**WY SW\_TLS\_GHMAL**  
BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015927

**WY202X-XX-7023**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 1 LOTS 5 thru 10;

Sec. 1

SW1/4NE1/4,S1/2NW1/4,NW1/  
4SE1/4;

Sec. 2 LOTS 5, 6.

Campbell County

473.4 Acres

Stipulations:

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes  
Greater than 50%

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015928

**WY202X-XX-0945**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 3 LOTS 7,8;

Sec. 3

S1/2NW1/4,SW1/4,W1/2SE1/4,  
SE1/4SE1/4;

Sec. 4 LOTS 5 thru 8;

Sec. 4 S1/2NE1/4,S1/2NW1/4.

Campbell County

751.39 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_CSU\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Breeding Habitat.  
Within 0.25 mile of the  
perimeter of occupied sharp-  
tailed grouse leks

**WY BFO\_LN\_UW**

BLM Lease Notice for  
Unplugged Wellbore(s) and/or  
other Facilities

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015929

**WY202X-XX-0973**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 57 N., R. 73 W., 6TH PM

Sec. 5 LOTS 5, 6;

Sec. 5 SW1/4NE1/4,

SW1/4NW1/4, W1/2SW1/4;

Sec. 6 LOTS 9;

Sec. 6 SW1/4NE1/4,

E1/2SW1/4, E1/2SE1/4;

Sec. 8 N1/2NE1/4,

SW1/4NE1/4, SE1/4NW1/4,

SW1/4SW1/4, N1/2SE1/4,

SE1/4SE1/4.

Campbell County

794.57 Acres

Stipulations:

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015930

**WY202X-XX-0946**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 57 N., R. 73 W., 6TH PM

Sec. 9 ALL;

Sec. 10 NW1/4.

Campbell County

800 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY BFO\_LN\_UW**

BLM Lease Notice for  
Unplugged Wellbore(s) and/or  
other Facilities

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00015931

**WY202X-XX-0947**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 11 E1/2;

Sec. 12 LOTS 2 thru 4;

Sec. 12

SW1/4NE1/4,S1/2NW1/4,SW1/  
4,W1/2SE1/4;

Sec. 13 LOTS 1, 2;

Sec. 13

W1/2NE1/4,W1/2SE1/4.

Campbell County

1037.11 Acres

Stipulations:

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies  
containing native or desirable  
non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
springs, reservoirs, etc.

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_CSU\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Breeding Habitat.  
Within 0.25 mile of the  
perimeter of occupied sharp-  
tailed grouse leks

**WY BFO\_NSO\_Slopes50**

BLM Stipulations for Slopes  
Greater than 50%

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00015932

**WY202X-XX-0948**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 21 LOTS 1;

Sec. 21

E1/2NW1/4,E1/2SW1/4;

Sec. 27 E1/2, NW1/4,

N1/2SW1/4, SE1/4SW1/4.

Campbell County

794.81 Acres

Stipulations:

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015933

**WY202X-XX-0971**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 73 W., 6TH PM  
 Sec. 28 LOTS 1;  
 Sec. 28  
 E1/2,NW1/4,N1/2SW1/4,SE1/4 SW1/4.  
 Campbell County  
 633.94 Acres  
 Stipulations:  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding,

Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015934

**WY202X-XX-7022**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 73 W., 6TH PM  
 Sec. 29 LOTS 1 thru 6;  
 Sec. 29 NE1/4,N1/2SE1/4;  
 Sec. 30 LOTS 5 thru 8, 13.  
 Campbell County  
 651.62 Acres  
 Stipulations:  
**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing  
EOI# WY00015935

**WY202X-XX-0950**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 31 LOTS 6 thru 9, 14 thru 19;

Sec. 31 E1/2NW1/4;

Sec. 32 LOTS 1 thru 12.

Campbell County

884.39 Acres

Stipulations:

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to coal leasing

EOI# WY00015936

**WY202X-XX-7034**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 73 W., 6TH PM

Sec. 33 LOTS 5, 6;

Sec. 33 N1/2SE1/4;

Sec. 34 LOTS 3, 4;

Sec. 34 N1/2SW1/4.

Campbell County

322.93 Acres

Stipulations:

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie Dog Colonies

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to coal leasing

EOI# WY00015937

**WY202X-XX-0875**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 40 N., R. 74 W., 6TH PM

Sec. 30 LOTS 1, 2;

Sec. 30 E1/2NW1/4.

Converse County

150.65 Acres

Stipulations:

**WY CFO\_CSU\_BT3**

BLM Stipulations for Bozeman Trail Cultural and Scenic Values

**WY CFO\_CSU\_BTQTRM**

BLM Stipulations for Bozeman Trail Cultural and Scenic Values

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting Raptors

**WY Std Lease Notice No. 1**



BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016204

**WY202X-XX-1132**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 74 W., 6TH PM  
 Sec. 8 LOTS 2.  
 Campbell County  
 20.94 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016732

**WY202X-XX-7182**  
 WY, Casper Field Office, Bureau of Land Management, PD  
T. 32 N., R. 75 W., 6TH PM  
 Sec. 1 LOTS 8 thru 10;  
 Sec. 12 LOTS 1 thru 15;  
 Sec. 13 LOTS 1 thru 19;  
 Sec. 14 E1/2.

Converse County  
 1392.1 Acres  
 Stipulations:  
**WY CFO\_NSO\_BEWR**  
 BLM Stipulations for Bald Eagle Winter Roost Sites  
**WY CFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016670

**WY202X-XX-7189**  
 WY, Casper Field Office, Bureau of Land Management, PD  
T. 32 N., R. 75 W., 6TH PM  
 Sec. 2  
 SE1/4SW1/4, SW1/4SE1/4;  
 Sec. 3 LOTS 4 thru 7;  
 Sec. 3 S1/2SW1/4;  
 Sec. 4 LOTS 1, 2;  
 Sec. 5 LOTS 1 thru 4;  
 Sec. 5 S1/2NE1/4, S1/2NW1/4, SW1/4;  
 Sec. 6 LOTS 8 thru 12;  
 Sec. 6 SE1/4NE1/4, SE1/4.

Converse County  
 1125.62 Acres  
 Stipulations:  
**WY CFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY CFO\_TLS\_MPN**  
 BLM Stipulations for Mountain  
 Plover Nesting  
**WY CFO\_TLS\_NR**  
 BLM Stipulations for Nesting  
 Raptors  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater  
 Sage-Grouse breeding, nesting,  
 etc. Within 2 miles of an  
 occupied lek outside Priority  
 Habitat Management Areas  
 EOI# WY00016671  
  
**WY202X-XX-7190**  
 WY, Casper Field Office,  
 Bureau of Land Management,  
 PD  
T. 32 N., R. 75 W., 6TH PM

Sec. 7 TR 55A;  
 Sec. 7 LOTS 5 thru 8;  
 Sec. 7  
 E1/2,E1/2NW1/4,E1/2SW1/4;  
 Sec. 8  
 E1/2NE1/4,W1/2NW1/4,S1/2;  
 Sec. 9  
 NE1/4,SW1/4,W1/2SE1/4;  
 Sec. 10 N1/2NW1/4, SE1/4.  
 Converse County  
 1677.68 Acres  
 Stipulations:  
**WY CFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater  
 Sage-Grouse breeding, nesting,  
 etc. Within 2 miles of an  
 occupied lek outside Priority  
 Habitat Management Areas  
 EOI# WY00016672  
  
**WY202X-XX-7188**

WY, Casper Field Office,  
 Bureau of Land Management,  
 PD  
T. 32 N., R. 75 W., 6TH PM  
 Sec. 11  
 W1/2NE1/4,NE1/4NW1/4,SE1/  
 4;  
 Sec. 15  
 E1/2,NE1/4SW1/4,S1/2SW1/4;  
 Sec. 17  
 N1/2NE1/4,W1/2NW1/4,SW1/4  
 SW1/4,S1/2SE1/4;  
 Sec. 18 LOTS 4 thru 11;  
 Sec. 18  
 E1/2NE1/4,SE1/4SW1/4,N1/2S  
 E1/4.  
 Converse County  
 1398.72 Acres  
 Stipulations:  
**WY CFO\_NSO\_BEWR**  
 BLM Stipulations for Bald  
 Eagle Winter Roost Sites  
**WY CFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016673

**WY202X-XX-7185**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 33 N., R. 75 W., 6TH PM

Sec. 24 LOTS 5.

Converse County

33.76 Acres

Stipulations:

**WY CFO\_CSU\_BEFA**

BLM Stipulations for Bald  
Eagle Feeding Areas

**WY CFO\_CSU\_OT3M**

BLM Stipulations for Oregon  
Trail Cultural and Scenic Values  
(historic setting contributes to  
NRHP eligibility)

**WY CFO\_CSU\_OTQTRM**

BLM Stipulations for Oregon  
Trail Cultural and Scenic Values  
(historic setting does not  
contribute to NRHP eligibility)

**WY CFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016669

**WY202X-XX-1183**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 36 N., R. 75 W., 6TH PM

Sec. 2 LOTS 5,9 thru 12.

Converse County

201.35 Acres

Stipulations:

**WY CFO\_TLS\_NR**

BLM Stipulations for Nesting  
Raptors

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00017007

**WY202X-XX-7035**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 43 N., R. 75 W., 6TH PM

Sec. 4 LOTS 5;

Sec. 5 LOTS 8, 9;

Sec. 6 LOTS 8, 9;

Sec. 9 LOTS 1 thru 4;

Sec. 9 NE1/4,S1/2;

Sec. 27 NE1/4SE1/4.

Campbell County

897.7 Acres

Stipulations:

**WY BFO\_CSU\_BEGE**

BLM Stipulations for Bald and  
Golden Eagle Winter Roosting  
Habitat. Within 1.0 mile of  
bald/golden eagle winter roosts  
and riparian corridors

**WY BFO\_CSU\_FQM**

BLM Stipulations for Fish  
Populations and Habitat. Within  
0.25 mile of water bodies

containing native or desirable  
non-native fish species

**WY BFO\_CSU\_H20500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
springs, reservoirs, etc.

**WY BFO\_CSU\_PD**

BLM Stipulations for Prairie  
Dog Colonies

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_CSU\_VRMII**  
 BLM Stipulations for Visual Resource Management Class 2 Areas  
**WY BFO\_NSO\_H**  
 BLM Stipulations for Historic Properties  
**WY BFO\_NSO\_PBACEC**  
 BLM Stipulations for Pumpkin Buttes Area of Critical Environmental Concern  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_NSO\_SSRN**  
 BLM Stipulations for Raptor Nest Sites (Special Status Species)  
**WY BFO\_NSO\_TCP**  
 BLM Stipulations for Traditional Cultural Properties  
**WY BFO\_TLS\_EWR**  
 BLM Stipulations for Eagle Winter Roosts  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_SSRN**  
 BLM Stipulations for Raptor Nests (Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease.  
 Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_NSO\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00016205, WY00016206  
  
**WY202X-XX-7036**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 75 W., 6TH PM  
 Sec. 5 LOTS 10;  
 Sec. 6 LOTS 8,11.  
 Campbell County  
 92.93 Acres  
 Stipulations:  
**WY BFO\_CSU\_BEGE**  
 BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat. Within 1.0 mile of bald/golden eagle winter roosts and riparian corridors  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_PD**  
 BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian

Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_BEGE**  
 BLM Stipulations for Bald or Golden Eagle Winter Roosts  
**WY BFO\_TLS\_EWR**  
 BLM Stipulations for Eagle Winter Roosts  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015966

**WY202X-XX-7160**  
WY, Casper Field Office, Bureau of Land Management, PD  
T. 37 N., R. 76 W., 6TH PM  
Sec. 6 LOTS 1,2;  
Sec. 6 S1/2NE1/4;  
Sec. 7 NE1/4.  
Converse County  
322.34 Acres  
Stipulations:  
**WY CFO\_CSU\_BT3**  
BLM Stipulations for Bozeman Trail Cultural and Scenic Values  
**WY CFO\_TLS\_NR**  
BLM Stipulations for Nesting Raptors  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing  
EOI# WY00015640

**WY202X-XX-7111**  
WY, Casper Field Office, Bureau of Land Management, PD  
T. 38 N., R. 77 W., 6TH PM  
Sec. 4 SW1/4, W1/2SE1/4;  
Sec. 8 N1/2NW1/4;  
Sec. 9 NE1/4NE1/4, S1/2NE1/4, S1/2NW1/4, NW1/4SW1/4, NW1/4SE1/4;  
Sec. 10 W1/2, N1/2NE1/4, SW1/4NE1/4, W1/2SE1/4, SE1/4SE1/4;  
Sec. 15 NW1/4NW1/4;  
Sec. 17 W1/2SE1/4;  
Sec. 22 W1/2NE1/4NE1/4, SE1/4NE1/4NE1/4, NW1/4NE1/4, S1/2NE1/4, NE1/4NW1/4, N1/2NW1/4NW1/4, SE1/4NW1/4NW1/4, S1/2NW1/4, S1/2.  
Natrona County  
1900 Acres  
Stipulations:  
**WY CFO\_CSU\_BT3**  
BLM Stipulations for Bozeman Trail Cultural and Scenic Values  
**WY CFO\_TLS\_NR**  
BLM Stipulations for Nesting Raptors  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015632

**WY202X-XX-1230**  
WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 52 N., R. 77 W., 6TH PM  
Sec. 2 LOTS 6,7,9;  
Sec. 3 LOTS 8,12;  
Sec. 3 NW1/4SW1/4;  
Sec. 4 LOTS 5 thru 16;  
Sec. 4 SW1/4;  
Sec. 5 LOTS 5 thru 16;  
Sec. 5 S1/2;  
Sec. 6 LOTS 8 thru 16;  
Sec. 6 NE1/4SE1/4.  
Johnson County  
1759.55 Acres  
Stipulations:  
**WY BFO\_CSU\_BEGE**  
BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat. Within 1.0 mile of bald/golden eagle winter roosts and riparian corridors  
**WY BFO\_CSU\_BGCW**  
BLM Stipulations for Big Game Crucial Winter Range  
**WY BFO\_CSU\_ECWC**  
BLM Stipulations for Elk Crucial Winter Range and Elk Calving Areas  
**WY BFO\_CSU\_FCR**  
BLM Stipulations for Fortification Creek RMP Amendment Performance Standards  
**WY BFO\_CSU\_FQM**  
BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_PD**  
BLM Stipulations for Prairie Dog Colonies  
**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_BEGE**  
 BLM Stipulations for Bald or Golden Eagle Winter Roosts  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_TLS\_BGCWEC**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY BFO\_TLS\_EWR**  
 BLM Stipulations for Eagle Winter Roosts  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_SSRN**  
 BLM Stipulations for Raptor Nests (Special Status Species)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00017067  
  
**WY202X-XX-0977**  
 WY, Casper Field Office, Bureau of Land Management, PD  
T. 38 N., R. 78 W., 6TH PM  
 Sec. 1 LOTS 3,4;  
 Sec. 1 S1/2NW1/4,SW1/4;  
 Sec. 2 LOTS 1,2;  
 Sec. 2 SE1/4NE1/4,E1/2SE1/4;  
 Sec. 11 NE1/4NE1/4;  
 Sec. 12 W1/2;  
 Sec. 13 NW1/4,W1/2SW1/4.  
 Natrona County  
 1121.43 Acres  
 Stipulations:  
**WY CFO\_CSU\_BT3**  
 BLM Stipulations for Bozeman Trail Cultural and Scenic Values  
**WY CFO\_LN\_UW**  
 BLM Lease Notice for Unplugged wellbore(s) and/or other facilities  
**WY CFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nesting  
**WY CFO\_TLS\_NR**  
 BLM Stipulations for Nesting Raptors  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015846  
  
**WY202X-XX-7052**  
 WY, Casper Field Office, Bureau of Land Management, PD  
T. 34 N., R. 79 W., 6TH PM  
 Sec. 6 LOTS 1 thru 5;  
 Sec. 6  
 S1/2NE1/4,SE1/4NW1/4;  
 Sec. 7 LOTS 3,4;  
 Sec. 7 E1/2SW1/4,SE1/4;  
 Sec. 18 LOTS 1 thru 4;  
 Sec. 18  
 E1/2NW1/4,E1/2SW1/4;  
 Sec. 19 LOTS 1 thru 4;  
 Sec. 19  
 E1/2NW1/4,E1/2SW1/4,E1/2;  
 Sec. 30 LOTS 1 thru 4;  
 Sec. 30

E1/2NW1/4,SE1/4SW1/4;  
 Sec. 31 LOTS 1,2.  
 Natrona County  
 1918.24 Acres  
 Stipulations:  
**WY CFO\_CSU\_AFZ**  
 BLM Stipulations for Casper  
 Airport Aircraft Fly Zones  
**WY CFO\_CSU\_OT3M**  
 BLM Stipulations for Oregon  
 Trail Cultural and Scenic Values  
 (historic setting contributes to  
 NRHP eligibility)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016356  
  
**WY202X-XX-6978**  
 WY, Rawlins Field Office,  
 Bureau of Land Management,  
 PD  
T. 20 N., R. 80 W., 6TH PM  
 Sec. 24 E1/2.  
 Carbon County  
 320 Acres  
 Stipulations:  
**WY RFO\_CSU\_AR**

BLM Stipulations for  
 Amphibians and Reptiles  
**WY RFO\_CSU\_OT**  
 BLM Stipulations for Overland  
 Trail (protecting historic and  
 visual values)  
**WY RFO\_CSU\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY RFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY RFO\_TLS\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater  
 Sage-Grouse breeding, nesting,  
 etc. Within 2 miles of an  
 occupied lek outside Priority  
 Habitat Management Areas  
 EOI# WY00016072  
  
**WY202X-XX-7073**

WY, Casper Field Office,  
 Bureau of Land Management,  
 PD  
T. 34 N., R. 80 W., 6TH PM  
 Sec. 1 SE1/4, E1/2SW1/4;  
 Sec. 2 LOTS 1,2,4;  
 Sec. 2 S1/2NE1/4, S1/2NW1/4,  
 S1/2;  
 Sec. 11 N1/2, N1/2SW1/4,  
 SE1/4SW1/4;  
 Sec. 12 SW1/4SW1/4;  
 Sec. 13 E1/2NE1/4,  
 SW1/4NE1/4,SW1/4,  
 NE1/4SE1/4,S1/2SE1/4;  
 Sec. 24 ALL.  
 Natrona County  
 2357.67 Acres  
 Stipulations:  
**WY CFO\_CSU\_AFZ**  
 BLM Stipulations for Casper  
 Airport Aircraft Fly Zones  
**WY CFO\_CSU\_OT3M**  
 BLM Stipulations for Oregon  
 Trail Cultural and Scenic Values  
 (historic setting contributes to  
 NRHP eligibility)  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing

EOI# WY00016356

**WY202X-XX-7070**

WY, Casper Field Office,  
Bureau of Land Management,  
PD

T. 34 N., R. 80 W., 6TH PM

Sec. 14 N1/2, SE1/4;

Sec. 23 SWSW (Excl .04 AC in  
RR ROW WYD03964);

Sec. 23

E1/2,N1/2SW1/4,SE1/4SW1/4;

Sec. 25 E1/2, N1/2SW1/4.

Natrona County

1359.96 Acres

Stipulations:

**WY CFO\_CSU\_AFZ**

BLM Stipulations for Casper  
Airport Aircraft Fly Zones

**WY CFO\_CSU\_OT3M**

BLM Stipulations for Oregon  
Trail Cultural and Scenic Values  
(historic setting contributes to  
NRHP eligibility)

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016356

**WY202X-XX-1226**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 80 W., 6TH PM

Sec. 4 LOTS 1 thru 4;

Sec. 4 S1/2;

Sec. 5 LOTS 1, 2;

Sec. 5 S1/2NE1/4.

Sheridan County

640.21 Acres

Stipulations:

**WY BFO\_CSU\_R500F**

BLM Stipulations for Surface  
Waters and Associated Riparian  
Habitats. Within 500 feet of  
riparian systems, wetlands, etc.

**WY BFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests. Within spatial buffers  
recommended by USFWS

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil  
Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes  
Greater than 25% and Less than  
50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited  
Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for  
Amphibian Species Breeding,  
Sheltering, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat  
Species Breeding, Nursery,  
Roosting, and Hibernation  
Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife  
Habitat for Special Status  
Species

**WY BFO\_CSU\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Breeding Habitat.  
Within 0.25 mile of the  
perimeter of occupied sharp-  
tailed grouse leks

**WY BFO\_NSO\_SSRN**

BLM Stipulations for Raptor  
Nest Sites (Special Status  
Species)

**WY BFO\_TLS\_NSSRN**

BLM Stipulations for Raptor  
Nests (Non-Special Status  
Species)

**WY BFO\_TLS\_SSRN**

BLM Stipulations for Raptor  
Nests (Special Status Species)

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-  
Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas

EOI# WY00017000

**WY202X-XX-1224**

WY, Buffalo Field Office,  
Bureau of Land Management,  
PD

T. 57 N., R. 80 W., 6TH PM

Sec. 6 LOTS 1 thru 14;

Sec. 6 S1/2NE1/4,SE1/4;

Sec. 7 LOTS 1 thru 12;

Sec. 7 E1/2;



Sec. 18 LOTS 1 thru 9, 11 thru 13.  
 Sheridan County  
 1877.47 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLB**  
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_NSO\_Slopes50**  
 BLM Stipulations for Slopes Greater than 50%  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)

**WY BFO\_TLS\_STG**  
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease.  
 Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_NSO\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00017000  
**WY202X-XX-1223**  
 WY, Buffalo Field Office, Bureau of Land Management, PD  
T. 57 N., R. 80 W., 6TH PM  
 Sec. 8 ALL;  
 Sec. 9 ALL;  
 Sec. 17 ALL;  
 Sec. 18 E1/2.

Sheridan County  
 2240 Acres  
 Stipulations:  
**WY BFO\_CSU\_FQM**  
 BLM Stipulations for Fish Populations and Habitat. Within 0.25 mile of water bodies containing native or desirable non-native fish species  
**WY BFO\_CSU\_GSGRH**  
 BLM Stipulations for Greater Sage-Grouse Habitat Restoration  
**WY BFO\_CSU\_H20500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of springs, reservoirs, etc.  
**WY BFO\_CSU\_PHMAC**  
 BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (Connectivity Only)  
**WY BFO\_CSU\_R500F**  
 BLM Stipulations for Surface Waters and Associated Riparian Habitats. Within 500 feet of riparian systems, wetlands, etc.  
**WY BFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests. Within spatial buffers recommended by USFWS  
**WY BFO\_CSU\_SE**  
 BLM Stipulations for Soil Erosion  
**WY BFO\_CSU\_Slopes25to50**  
 BLM Stipulations for Slopes Greater than 25% and Less than 50%  
**WY BFO\_CSU\_SLR**  
 BLM Stipulations for Limited Reclamation Potential Areas  
**WY BFO\_CSU\_SSWLA**  
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat  
**WY BFO\_CSU\_SSWLH**  
 BLM Stipulations for Wildlife Habitat for Special Status Species  
**WY BFO\_TLS\_NSSRN**  
 BLM Stipulations for Raptor Nests (Non-Special Status Species)  
**WY BFO\_TLS\_PHMAC**

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Connectivity only)

**WY BFO\_TLS\_SSRN**

BLM Stipulations for Raptor Nests (Special Status Species)

**WY BFO\_TLS\_STG**

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_NSO\_GHMAL**

BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00017000

**WY202X-XX-1225**

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 57 N., R. 81 W., 6TH PM

Sec. 1 LOTS 5 thru 9;

Sec. 1 SW1/4;

Sec. 2 LOTS 5 thru 8;

Sec. 2 S1/2;

Sec. 3 LOTS 5 thru 8;

Sec. 3 S1/2;

Sec. 12 LOTS 1 thru 4;

Sec. 12 W1/2.

Sheridan County

1723.8 Acres

Stipulations:

**WY BFO\_CSU\_SE**

BLM Stipulations for Soil Erosion

**WY BFO\_CSU\_Slopes25to50**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

**WY BFO\_CSU\_SLR**

BLM Stipulations for Limited Reclamation Potential Areas

**WY BFO\_CSU\_SSWLA**

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

**WY BFO\_CSU\_SSWLB**

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

**WY BFO\_CSU\_SSWLH**

BLM Stipulations for Wildlife Habitat for Special Status Species

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00017000

**WY202X-XX-0978**

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 25 N., R. 89 W., 6TH PM

Sec. 5 LOTS 1 thru 4;

Sec. 5 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 6 LOTS 1 thru 7;

Sec. 6 S1/2NE1/4, SE1/4NW1/4, E1/2SW1/4, SE1/4;

Sec. 7 LOTS 1 thru 4;

Sec. 7 E1/2, E1/2NW1/4, E1/2SW1/4.

Carbon County

1927.75 Acres

Stipulations:

**WY RFO\_CSU\_AR**

BLM Stipulations for Amphibians and Reptiles

**WY RFO\_CSU\_HTRAILS**

BLM Stipulations for Historic Trails

**WY RFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY RFO\_NSO\_HTRAILS**

BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments

**WY RFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY RFO\_TLS\_RN**

BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00015778  
  
**WY202X-XX-0979**  
 WY, Rawlins Field Office, Bureau of Land Management, PD  
T. 25 N., R. 89 W., 6TH PM  
 Sec. 8 ALL;  
 Sec. 20 E1/2NE1/4, NW1/4NE1/4, NW1/4, N1/2SW1/4, SW1/4SW1/4, E1/2SE1/4;  
 Sec. 21 ALL;  
 Sec. 22 N1/2,SW1/4.  
 Carbon County  
 2240 Acres  
 Stipulations:  
**WY RFO\_CSU\_AR**

BLM Stipulations for Amphibians and Reptiles  
**WY RFO\_CSU\_HTRAILS**  
 BLM Stipulations for Historic Trails  
**WY RFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests  
**WY RFO\_NSO\_HTRAILS**  
 BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments  
**WY RFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY RFO\_TLS\_MPN**  
 BLM Stipulations for Mountain Plover Nests  
**WY RFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00015778  
  
**WY202X-XX-7051**

WY, Rawlins Field Office, Bureau of Land Management, PD  
T. 25 N., R. 89 W., 6TH PM  
 Sec. 9 ALL;  
 Sec. 10 ALL;  
 Sec. 11 W1/2;  
 Sec. 14 NW1/4, N1/2SW1/4, SW1/4SW1/4;  
 Sec. 15 ALL.  
 Carbon County  
 2520 Acres  
 Stipulations:  
**WY RFO\_CSU\_AR**  
 BLM Stipulations for Amphibians and Reptiles  
**WY RFO\_CSU\_HTRAILS**  
 BLM Stipulations for Historic Trails  
**WY RFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests  
**WY RFO\_NSO\_HTRAILS**  
 BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments  
**WY RFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY RFO\_TLS\_MPN**  
 BLM Stipulations for Mountain Plover Nests  
**WY RFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015779

**WY202X-XX-7204**

WY, Lander Field Office, Bureau of Land Management, PD

T. 37 N., R. 90 W., 6TH PM

Sec. 6 LOTS 2 thru 7;

Sec. 6 S1/2NE1/4, SE1/4NW1/4, E1/2SW1/4.

Fremont County

454.82 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional Historic Trails and Early Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016749

**WY202X-XX-1197**

WY, Lander Field Office, Bureau of Land Management, PD

T. 37 N., R. 90 W., 6TH PM

Sec. 27 ALL;

Sec. 28 S1/2SW1/4;

Sec. 32 ALL;

Sec. 33 NW1/4.

Fremont County

1520 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional Historic Trails and Early Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00016807

**WY202X-XX-1242**

WY, Lander Field Office,  
Bureau of Land Management,  
PD

T. 38 N., R. 90 W., 6TH PM

Sec. 19 LOTS 3 thru 9;

Sec. 19 S1/2NE1/4,  
SE1/4NW1/4, E1/2SW1/4,  
SE1/4;

Sec. 20 LOTS 1 thru 4;

Sec. 20 S1/2NE1/4,  
S1/2NW1/4, S1/2;

Sec. 21 LOTS 1 thru 4;

Sec. 21 S1/2NE1/4,  
S1/2NW1/4, S1/2;

Sec. 22 LOTS 1 thru 4;

Sec. 22 S1/2NE1/4,  
S1/2NW1/4, S1/2.

Fremont County

2449.33 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited  
Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil  
Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional  
Historic Trails and Early  
Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes  
between 15 and 24 Percent

**WY LFO\_NSO\_2031**

BLM Stipulations for Native  
America Cultural Resource Sites

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial  
Surface Waters, Riparian-  
Wetland Areas, and/or Playas  
Within Designated Development  
Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes  
Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY LFO\_TLS\_FFS4053**

BLM Stipulations for Fish Fall  
Spawning Habitat

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain  
Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016859

**WY202X-XX-1247**

WY, Lander Field Office,  
Bureau of Land Management,  
PD

T. 38 N., R. 90 W., 6TH PM

Sec. 27 N1/2;

Sec. 28 N1/2;

Sec. 29 W1/2NW1/4,  
W1/2SW1/4, SE1/4;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,  
E1/2SW1/4.

Fremont County

1646.36 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited  
Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil  
Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional  
Historic Trails and Early  
Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes  
between 15 and 24 Percent

**WY LFO\_NSO\_5050**

BLM Stipulations for Sacred,  
Spiritual, and Traditional  
Cultural Properties

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial  
Surface Waters, Riparian-  
Wetland Areas, and/or Playas  
Within Designated Development  
Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes  
Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY LFO\_TLS\_FFS4053**

BLM Stipulations for Fish Fall  
Spawning Habitat

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain  
Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00016860

**WY202X-XX-1156**

WY, Lander Field Office,  
Bureau of Land Management,  
PD

T. 38 N., R. 90 W., 6TH PM

Sec. 31 LOTS 1 thru 4;

Sec. 31

E1/2NW1/4,E1/2SW1/4, NE1/4;

Sec. 32 W1/2NW1/4;

Sec. 33 NE1/4NE1/4;

Sec. 34

N1/2NE1/4,N1/2NW1/4.

Fremont County

816.56 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited  
Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil  
Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional  
Historic Trails and Early  
Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes  
between 15 and 24 Percent

**WY LFO\_NSO\_5050**

BLM Stipulations for Sacred,  
Spiritual, and Traditional  
Cultural Properties

**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial  
Surface Waters, Riparian-  
Wetland Areas, and/or Playas  
Outside of Designated  
Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes  
Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain  
Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00016748

**WY202X-XX-7013**

WY, Rawlins Field Office,  
Bureau of Land Management,  
PD

T. 13 N., R. 91 W., 6TH PM

Sec. 12 LOTS 3;

Sec. 12 W1/2NE1/4, NW1/4,  
N1/2SW1/4, W1/2SE1/4.

Carbon County

438.23 Acres

Stipulations:

**WY RFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests

**WY RFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY Std Special Lease Notice  
II**

BLM Lease Notice for Big  
Game Migration  
EOI# WY00016620

**WY202X-XX-7200**

WY, Lander Field Office,  
Bureau of Land Management,  
PD

T. 27 N., R. 91 W., 6TH PM

Sec. 1 LOTS 1 thru 4;  
 Sec. 1  
 S1/2NE1/4,S1/2NW1/4,S1/2.  
 Fremont County  
 623.4 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited  
 Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes  
 between 15 and 24 Percent  
**WY LFO\_CSU\_VRM5066**  
 BLM Stipulations for VRM  
 Class I and II Areas  
**WY LFO\_NSO\_4070**  
 BLM Stipulations for Green  
 Mountain (wildlife parturition  
 areas and viewshed south of  
 Green Mountain)  
**WY LFO\_NSO\_ACEC7059**  
 BLM Stipulations for Area of  
 Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial  
 Surface Waters, Riparian-  
 Wetland Areas, and/or Playas  
 Outside of Designated  
 Development Areas  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes  
 Greater than 25 Percent  
**WY LFO\_TLS\_BGCW4061**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY LFO\_TLS\_BGCWP4061**  
 BLM Stipulations for Big Game  
 Parturition Areas  
**WY LFO\_TLS\_EWR4062**  
 BLM Stipulations for Elk  
 Winter Range  
**WY LFO\_TLS\_RN4071**  
 BLM Stipulations for Raptor  
 Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016771

**WY202X-XX-1154**  
 WY, Lander Field Office,  
 Bureau of Land Management,  
 PD  
T. 27 N., R. 91 W., 6TH PM  
 Sec. 2 LOTS 1 thru 4;  
 Sec. 2  
 S1/2NE1/4,S1/2NW1/4,S1/2.  
 Fremont County  
 622.92 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited  
 Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes  
 between 15 and 24 Percent  
**WY LFO\_CSU\_VRM5066**  
 BLM Stipulations for VRM  
 Class I and II Areas  
**WY LFO\_NSO\_4070**  
 BLM Stipulations for Green  
 Mountain (wildlife parturition  
 areas and viewshed south of  
 Green Mountain)  
**WY LFO\_NSO\_ACEC7059**  
 BLM Stipulations for Area of  
 Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial  
 Surface Waters, Riparian-  
 Wetland Areas, and/or Playas  
 Outside of Designated  
 Development Areas

**WY LFO\_NSO\_REC6086**  
 BLM Stipulations for Recreation  
 Sites  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes  
 Greater than 25 Percent  
**WY LFO\_TLS\_BGCW4061**  
 BLM Stipulations for Big Game  
 Crucial Winter Range  
**WY LFO\_TLS\_RN4071**  
 BLM Stipulations for Raptor  
 Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
 EOI# WY00016772

**WY202X-XX-7203**  
 WY, Lander Field Office,  
 Bureau of Land Management,  
 PD  
T. 27 N., R. 91 W., 6TH PM  
 Sec. 11 ALL.  
 Fremont County  
 640 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited  
 Reclamation Potential Soils

**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes between 15 and 24 Percent  
**WY LFO\_NSO\_4070**  
 BLM Stipulations for Green Mountain (wildlife parturition areas and viewshed south of Green Mountain)  
**WY LFO\_NSO\_ACEC7059**  
 BLM Stipulations for Area of Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes Greater than 25 Percent  
**WY LFO\_TLS\_BGCWP4061**  
 BLM Stipulations for Big Game Parturition Areas  
**WY LFO\_TLS\_FSS4053**  
 BLM Stipulations for Fish Spring Spawning Habitat  
**WY LFO\_TLS\_RN4071**  
 BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016773  
  
**WY202X-XX-1152**  
 WY, Lander Field Office, Bureau of Land Management, PD  
T. 27 N., R. 91 W., 6TH PM  
 Sec. 12 ALL.  
 Fremont County  
 640 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes between 15 and 24 Percent  
**WY LFO\_CSU\_VRM5066**  
 BLM Stipulations for VRM Class I and II Areas  
**WY LFO\_NSO\_4070**  
 BLM Stipulations for Green Mountain (wildlife parturition areas and viewshed south of Green Mountain)  
**WY LFO\_NSO\_ACEC7059**  
 BLM Stipulations for Area of Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes Greater than 25 Percent  
**WY LFO\_TLS\_BGCW4061**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY LFO\_TLS\_BGCWP4061**  
 BLM Stipulations for Big Game Parturition Areas  
**WY LFO\_TLS\_EWR4062**  
 BLM Stipulations for Elk Winter Range  
**WY LFO\_TLS\_FFS4053**  
 BLM Stipulations for Fish Fall Spawning Habitat  
**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016774  
  
**WY202X-XX-1151**  
 WY, Lander Field Office, Bureau of Land Management, PD  
T. 27 N., R. 91 W., 6TH PM  
 Sec. 17  
 NE1/4,N1/2NW1/4,SE1/4NW1/4.  
 Fremont County  
 280 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes between 15 and 24 Percent  
**WY LFO\_NSO\_5050**  
 BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties



**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_EWR4062**

BLM Stipulations for Elk Winter Range

**WY LFO\_TLS\_FFS4053**

BLM Stipulations for Fish Fall Spawning Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016776

**WY202X-XX-7205**

WY, Lander Field Office, Bureau of Land Management, PD

T. 28 N., R. 91 W., 6TH PM

Sec. 25 LOTS 1 thru 7;

Sec. 25

SW1/4NE1/4,S1/2NW1/4,SW1/4,W1/2SE1/4.

Fremont County

632.16 Acres

Stipulations:

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_CSU\_VRM5066**

BLM Stipulations for VRM Class I and II Areas

**WY LFO\_NSO\_ACEC7059**

BLM Stipulations for Area of Critical Environmental Concern

**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_EWR4062**

BLM Stipulations for Elk Winter Range

**WY LFO\_TLS\_FSS4053**

BLM Stipulations for Fish Spring Spawning Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016765

**WY202X-XX-1157**

WY, Lander Field Office, Bureau of Land Management, PD

T. 28 N., R. 91 W., 6TH PM  
Sec. 26 ALL.

Fremont County

640 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_CSU\_VRM5066**

BLM Stipulations for VRM Class I and II Areas

**WY LFO\_NSO\_ACEC7059**

BLM Stipulations for Area of Critical Environmental Concern

**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_BGCWP4061**

BLM Stipulations for Big Game Parturition Areas

**WY LFO\_TLS\_EWR4062**

BLM Stipulations for Elk Winter Range

**WY LFO\_TLS\_FSS4053**

BLM Stipulations for Fish Spring Spawning Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016766

**WY202X-XX-1158**  
 WY, Lander Field Office, Bureau of Land Management, PD  
T. 28 N., R. 91 W., 6TH PM  
 Sec. 27 SE1/4NE1/4, W1/2NW1/4, S1/2.  
 Fremont County  
 440 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes between 15 and 24 Percent  
**WY LFO\_CSU\_VRM5066**  
 BLM Stipulations for VRM Class I and II Areas  
**WY LFO\_NSO\_ACEC7059**

BLM Stipulations for Area of Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas  
**WY LFO\_NSO\_REC6086**  
 BLM Stipulations for Recreation Sites  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes Greater than 25 Percent  
**WY LFO\_TLS\_BGCW4061**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY LFO\_TLS\_BGCWP4061**  
 BLM Stipulations for Big Game Parturition Areas  
**WY LFO\_TLS\_EWR4062**  
 BLM Stipulations for Elk Winter Range  
**WY LFO\_TLS\_FSS4053**  
 BLM Stipulations for Fish Spring Spawning Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00016768  
**WY202X-XX-1159**  
 WY, Lander Field Office, Bureau of Land Management, PD  
T. 28 N., R. 91 W., 6TH PM  
 Sec. 28 ALL.  
 Fremont County  
 640 Acres  
 Stipulations:  
**WY LFO\_CSU\_LRPS1013**  
 BLM Stipulations for Limited Reclamation Potential Soils  
**WY**  
**LFO\_CSU\_S15TO24P1014**  
 BLM Stipulations for Slopes between 15 and 24 Percent  
**WY LFO\_CSU\_VRM5066**  
 BLM Stipulations for VRM Class I and II Areas  
**WY LFO\_NSO\_ACEC7059**  
 BLM Stipulations for Area of Critical Environmental Concern  
**WY LFO\_NSO\_PSW4031**  
 BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas  
**WY LFO\_NSO\_SG25P1014**  
 BLM Stipulations for Slopes Greater than 25 Percent  
**WY LFO\_TLS\_BGCW4061**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY LFO\_TLS\_BGCWP4061**  
 BLM Stipulations for Big Game Parturition Areas  
**WY LFO\_TLS\_EWR4062**  
 BLM Stipulations for Elk Winter Range  
**WY LFO\_TLS\_FSS4053**  
 BLM Stipulations for Fish Spring Spawning Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016769

**WY202X-XX-1160**

WY, Lander Field Office, Bureau of Land Management, PD

T. 28 N., R. 91 W., 6TH PM  
Sec. 35 ALL.

Fremont County  
640 Acres  
Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_CSU\_VRM5066**

BLM Stipulations for VRM Class I and II Areas

**WY LFO\_NSO\_ACEC7059**

BLM Stipulations for Area of Critical Environmental Concern

**WY LFO\_NSO\_PSW4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_BGCWP4061**

BLM Stipulations for Big Game Parturition Areas

**WY LFO\_TLS\_EWR4062**

BLM Stipulations for Elk Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016770

**WY202X-XX-1201**

WY, Lander Field Office, Bureau of Land Management, PD

T. 37 N., R. 91 W., 6TH PM

Sec. 1 LOTS 1 thru 7;

Sec. 1 SW1/4NE1/4, S1/2NW1/4,

SW1/4,W1/2SE1/4;

Sec. 4 LOTS 3, 4;

Sec. 4 S1/2NW1/4;

Sec. 9 S1/2SW1/4,S1/2SE1/4;

Sec. 10 S1/2SW1/4;

Sec. 11

E1/2,E1/2NE1/4NW1/4,N1/2S W1/4.

Fremont County

1533.04 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional Historic Trails and Early Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016807

**WY202X-XX-1208**

WY, Lander Field Office, Bureau of Land Management, PD  
T. 37 N., R. 91 W., 6TH PM  
Sec. 12 LOTS 1 thru 4;  
Sec. 12  
W1/2NE1/4, W1/2, W1/2SE1/4;  
Sec. 13 LOTS 1 thru 4;  
Sec. 13  
W1/2NE1/4, W1/2, W1/2SE1/4.  
Fremont County  
1323.68 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional Historic Trails and Early Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_NSO\_2031**

BLM Stipulations for Native America Cultural Resource Sites

**WY LFO\_NSO\_5050**

BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016807

**WY202X-XX-1212**

WY, Lander Field Office, Bureau of Land Management, PD

T. 37 N., R. 91 W., 6TH PM

Sec. 24 LOTS 1 thru 3;

Sec. 24

W1/2NE1/4, E1/2NW1/4, NE1/4 SW1/4, S1/2SW1/4 SW1/4, NW1/4 SE1/4;

Sec. 30 ALL;

Sec. 31 ALL;

Sec. 32 W1/2.

Fremont County

1995.02 Acres

Stipulations:

**WY LFO\_CSU\_LRPS1013**

BLM Stipulations for Limited Reclamation Potential Soils

**WY LFO\_CSU\_PYFC5058**

BLM Stipulations for Fossil Resources

**WY LFO\_CSU\_RHTEH5018**

BLM Stipulations for Regional Historic Trails and Early Highways and their Settings

**WY**

**LFO\_CSU\_S15TO24P1014**

BLM Stipulations for Slopes between 15 and 24 Percent

**WY LFO\_NSO\_5050**

BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties

**WY**

**LFO\_NSO\_PSWDDA4031**

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

**WY LFO\_NSO\_SG25P1014**

BLM Stipulations for Slopes Greater than 25 Percent

**WY LFO\_TLS\_BGCW4061**

BLM Stipulations for Big Game Crucial Winter Range

**WY LFO\_TLS\_MPN4094**

BLM Stipulations for Mountain Plover Nesting Habitat

**WY LFO\_TLS\_RN4071**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016811

**WY202X-XX-7127**

WY, Worland Field Office, Bureau of Land Management, PD

T. 51 N., R. 91 W., 6TH PM

Sec. 17 SW1/4;

Sec. 20 NW1/4.

Big Horn County

320 Acres

Stipulations:

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00016596

**WY202X-XX-7053**

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 13 N., R. 92 W., 6TH PM

Sec. 24 E1/2;

Sec. 27 S1/2;

Sec. 28 N1/2, SE1/4;

Sec. 31 LOTS 7 thru 11;

Sec. 31

N1/2SE1/4, NE1/4SW1/4;

Sec. 32 LOTS 1 thru 4;

Sec. 32 N1/2SW1/4,

N1/2SE1/4.

Carbon County

1778.75 Acres

Stipulations:

**WY RFO\_CSU\_AR**

BLM Stipulations for

Amphibians and Reptiles

**WY RFO\_TLS\_BER**

BLM Stipulations for Bald

Eagle Roosting Sites

**WY RFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY RFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing

**WY Std Special Lease Notice II**

BLM Lease Notice for Big Game Migration

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015786

**WY202X-XX-6802**

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 25 N., R. 92 W., 6TH PM

Sec. 23

E1/2NE1/4, E1/2SE1/4, S1/2SW1/4, SW1/4SE1/4;

Sec. 24 ALL;

Sec. 25 ALL;

Sec. 26 ALL.

Sweetwater County

2200 Acres

Stipulations:

**WY RFO\_CSU\_AR**

BLM Stipulations for Amphibians and Reptiles

**WY RFO\_LN\_U**

BLM Lease Notice for Uranium Mining/Processing

**WY RFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_CSU\_PHMA**  
BLM Stipulations for Greater  
Sage-Grouse Priority Habitat  
Management Areas (PHMAs) -  
Core Only

**WY SW\_TLS\_PHMAL**  
BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Inside Priority Habitat  
Management Areas (Core only)  
**WY SW\_TLS\_PHMAWCA**  
BLM Stipulations for Greater  
Sage-Grouse Winter  
Concentration Areas  
EOI# WY00015220

**WY202X-XX-0983**  
WY, Worland Field Office,  
Bureau of Land Management,  
PD  
T. 51 N., R. 92 W., 6TH PM  
Sec. 3 TR 62D;  
Sec. 10 TR 62D,E,L;  
Sec. 10 LOTS 1 thru 4;  
Sec. 10 SW1/4SE1/4.  
Big Horn County  
310.26 Acres  
Stipulations:

**WY Std Lease Notice 1041**  
BLM Lease Notice for Water  
Monitoring Plans

**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY WFO\_NSO\_H2O500F**  
BLM Stipulations for Surface  
Water, Riparian/Wetland Areas,  
and Playas  
EOI# WY00016075

**WY202X-XX-1018**

WY, Worland Field Office,  
Bureau of Land Management,  
PD

T. 43 N., R. 93 W., 6TH PM

Sec. 28 E1/2SW1/4,  
SW1/4SW1/4,W1/2SE1/4;  
Sec. 33 N1/2NW1/4.

Hot Springs County  
280 Acres

Stipulations:

**WY Std Lease Notice 1041**  
BLM Lease Notice for Water  
Monitoring Plans

**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.  
2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**

BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY WFO\_CSU\_CR**  
BLM Stipulations for Cultural  
Resources (cultural and scenic  
values of important cultural  
sites)  
EOI# WY00016395

**WY202X-XX-1188**

WY, Worland Field Office,  
Bureau of Land Management,  
PD

T. 48 N., R. 93 W., 6TH PM

Sec. 4 SW1/4;  
Sec. 5 LOTS 5 thru 16;  
Sec. 5 S1/2;  
Sec. 6 LOTS 8 thru 21;  
Sec. 6 E1/2SW1/4, SE1/4;  
Sec. 7 LOTS 5 thru 8;  
Sec. 7 E1/2,  
E1/2NW1/4,E1/2SW1/4;  
Sec. 8 W1/2.

Washakie County  
2544.13 Acres

Stipulations:

**WY Std Lease Notice 1041**  
BLM Lease Notice for Water  
Monitoring Plans

**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.  
1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY WFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY WFO\_NSO\_H2O500F**

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

**WY WFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

EOI# WY00016876

**WY202X-XX-1203**

WY, Worland Field Office, Bureau of Land Management, PD

T. 48 N., R. 93 W., 6TH PM

Sec. 20 ALL;

Sec. 21 ALL;

Sec. 22 NW1/4SE1/4;

Sec. 26 NW1/4SW1/4,

SE1/4SW1/4, SW1/4SE1/4;

Sec. 27 SW1/4;

Sec. 30 LOTS 11;

Sec. 30 NE1/4, N1/2SE1/4,

SE1/4SE1/4;

Sec. 35 NW1/4NE1/4,

E1/2SW1/4.

Washakie County

2026.87 Acres

Stipulations:

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY WFO\_NSO\_H2O500F**

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

**WY WFO\_TLS\_BGCW**

BLM Stipulations for Big Game on Crucial Winter Range

EOI# WY00016876

**WY202X-XX-0974**

WY, Worland Field Office, Bureau of Land Management, PD

T. 43 N., R. 94 W., 6TH PM

Sec. 15 N1/2SW1/4,

SE1/4SW1/4, S1/2SE1/4;

Sec. 22 N1/2NE1/4,

SE1/4NE1/4, S1/2SE1/4;

Sec. 23 SE1/4SW1/4.

Hot Springs County

440 Acres

Stipulations:

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

**WY WFO\_CSU\_CR**

BLM Stipulations for Cultural Resources (cultural and scenic values of important cultural sites)

**WY WFO\_CSU\_PW**

BLM Stipulations for Water Resources and Public Water Supplies

**WY WFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY WFO\_TLS\_BGCW**

BLM Stipulations for Big Game on Crucial Winter Range

**WY WFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

EOI# WY00016076

**WY202X-XX-1074**

WY, Worland Field Office, Bureau of Land Management, PD

T. 51 N., R. 94 W., 6TH PM

Sec. 2 LOTS 2,3;  
 Sec. 5 LOTS 1 thru 4;  
 Sec. 6 LOTS 1 thru 4,7,9;  
 Sec. 6  
 S1/2NE1/4,SE1/4NW1/4,NE1/4  
 SW1/4;  
 Sec. 17 SWSW (EXCL 0.36  
 AC IN RSVR ROW  
 WYB027154).  
 Big Horn County  
 673.29 Acres  
 Stipulations:  
**WY CyFO\_CSU\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY CyFO\_TLS\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water  
 Monitoring Plans  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No.  
 2**  
 BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY WFO\_CSU\_PW**  
 BLM Stipulations for Water  
 Resources and Public Water  
 Supplies  
**WY WFO\_CSU\_T2M**

BLM Stipulations for Other  
 Historic Trails  
**WY WFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface  
 Water, Riparian/Wetland Areas,  
 and Playas  
 EOI# WY00016564  
  
**WY202X-XX-7153**  
 WY, Worland Field Office,  
 Bureau of Land Management,  
 PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 1 LOTS 5 thru 8;  
 Sec. 1  
 SW1/4NE1/4,S1/2NW1/4,NW1/  
 4SW1/4;  
 Sec. 24 LOTS 3,7,8,11,12,15;  
 Sec. 24 SE1/4NW1/4,  
 NW1/4SW1/4, S1/2SW1/4,  
 S1/2SE1/4, NE1/4SE1/4;  
 Sec. 25 ALL.  
 Big Horn County  
 1416.27 Acres  
 Stipulations:  
**WY CyFO\_CSU\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY CyFO\_CSU\_T2M**  
 BLM Stipulations for Other  
 Historic Trails (2 miles)  
**WY CyFO\_TLS\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water  
 Monitoring Plans  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for  
 Reasonable Measures to  
 Minimize Adverse Impacts to  
 Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National  
 Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater  
 Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
 1**  
 BLM Stipulations for Historic  
 Properties  
**WY Std Lease Stipulation No.  
 2**

BLM Stipulations for  
 Endangered Species Act Section  
 7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
 3**  
 BLM Stipulations for Multiple  
 Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for  
 Attachment to Each Lease.  
 Mineral Leasing Act  
 requirements with respect to  
 coal leasing  
**WY WFO\_CSU\_PSWRW**  
 BLM Stipulations for Perennial  
 Surface Water and  
 Riparian/Wetland Areas  
**WY WFO\_CSU\_PW**  
 BLM Stipulations for Water  
 Resources and Public Water  
 Supplies  
**WY WFO\_CSU\_RN**  
 BLM Stipulations for Raptor  
 Nests  
**WY WFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface  
 Water, Riparian/Wetland Areas,  
 and Playas  
**WY WFO\_NSO\_REC**  
 BLM Stipulations for  
 Campgrounds, Trailheads, Day  
 Use Areas, and Similar  
 Recreation Sites  
**WY WFO\_TLS\_RN**  
 BLM Stipulations for Raptor  
 Nests  
 EOI# WY00016378  
  
**WY202X-XX-7158**  
 WY, Cody Field Office, Bureau  
 of Land Management, PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 2 S2NE (EXCL 28 AC IN  
 RSVR ROW WYB035508);  
 Sec. 2 LOTS 5, 6 (EXCL 5.97  
 AC IN RSVR ROW  
 WYB035508);  
 Sec. 2 LOTS 7,8,12;  
 Sec. 2  
 SE1/4NW1/4,NE1/4SE1/4;  
 Sec. 3 LOTS 6,16;  
 Sec. 3 SW1/4NE1/4.  
 Big Horn County  
 374.7 Acres  
 Stipulations:  
**WY Std Lease Notice No. 1**



BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016378, WY00016397  
  
**WY202X-XX-7159**  
 WY, Worland Field Office, Bureau of Land Management, PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 4 LOTS 17, 18, 25;  
 Sec. 7 LOTS 38, 39 OF TRACT 94;  
 Sec. 12 NW1/4NE1/4, SE1/4NE1/4;  
 Sec. 20 LOTS 31 thru 34;  
 Sec. 22 LOTS 11, 15, 23, 25, 26, 35, 36, 38 OF TRACT 52;  
 Sec. 22 LOTS 16,21,22,24,39;  
 Sec. 23 LOTS 5,7,13,17,19,22,23,26,28,29;  
 Sec. 23 SE1/4SW1/4, NE1/4SE1/4,S1/2SE1/4.  
 Big Horn County  
 779.56 Acres  
 Stipulations:  
**WY CyFO\_CSU\_T2M**  
 BLM Stipulations for Other Historic Trails (2 miles)

**WY CyFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface Water and Riparian/Wetland Areas  
**WY**  
**CYFO\_CSU\_BRRRQTRM**  
 BLM Stipulations for Blue Ribbon and Red Ribbon Fisheries Habitat and Fish Populations  
**WY CYFO\_CSU\_RSSF**  
 BLM Stipulations for Riparian Habitat Supporting Special Status Fish Species  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water Monitoring Plans  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY**  
**WFO\_CSU\_BRRRQTRM**  
 BLM Stipulations for Blue Ribbon and Red Ribbon Fisheries Habitat and Fish Populations  
**WY WFO\_CSU\_PSWRW**

BLM Stipulations for Perennial Surface Water and Riparian/Wetland Areas  
**WY WFO\_CSU\_PW**  
 BLM Stipulations for Water Resources and Public Water Supplies  
**WY WFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests  
**WY WFO\_CSU\_T2M**  
 BLM Stipulations for Other Historic Trails  
**WY WFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas  
**WY WFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
 EOI# WY00016378, WY00016397  
  
**WY202X-XX-1096**  
 WY, Worland Field Office, Bureau of Land Management, PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 18 29,31,34,43-45 OF TRACT 66;  
 Sec. 18 LOTS 51,52 OF TRACT 58;  
 Sec. 18 LOTS 50 OF TRACT 63;  
 Sec. 19 LOTS 6,7,16,17 OF TRACT 58;  
 Sec. 19 LOTS 40,42;  
 Sec. 19 LOTS 8,15 OF TRACT 63.  
 Big Horn County  
 237.61 Acres  
 Stipulations:  
**WY CyFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface Water and Riparian/Wetland Areas  
**WY**  
**CYFO\_CSU\_BRRRQTRM**  
 BLM Stipulations for Blue Ribbon and Red Ribbon Fisheries Habitat and Fish Populations  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water Monitoring Plans  
**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY**  
**WFO\_CSU\_BRRRQTRM**  
 BLM Stipulations for Blue Ribbon and Red Ribbon Fisheries Habitat and Fish Populations  
**WY WFO\_CSU\_PSWRW**  
 BLM Stipulations for Perennial Surface Water and Riparian/Wetland Areas  
**WY WFO\_CSU\_PW**  
 BLM Stipulations for Water Resources and Public Water Supplies  
**WY WFO\_NSO\_H2O500F**  
 BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas  
 EOI# WY00016397  
  
**WY202X-XX-1097**  
 WY, Worland Field Office, Bureau of Land Management, PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 26 LOTS 1,3,8,10,12,13,16,19, 22 thru 26;

Sec. 26  
 E1/2NE1/4,NW1/4NE1/4,E1/2SE1/4;  
 Sec. 27 LOTS 24, 25;  
 Sec. 34 LOTS 15, 16, 25 thru 28;  
 Sec. 34 SE1/4SE1/4, SW1/4SW1/4;  
 Sec. 35 LOTS 2,8,10,11,14,17,19 thru 22;  
 Sec. 35  
 W1/2NE1/4,NE1/4SW1/4,S1/2SW1/4,W1/2SE1/4.  
 Big Horn County  
 1134.35 Acres  
 Stipulations:  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water Monitoring Plans  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
**WY WFO\_CSU\_PW**  
 BLM Stipulations for Water Resources and Public Water Supplies  
**WY WFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests

**WY WFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
 EOI# WY00016378  
  
**WY202X-XX-7170**  
 WY, Worland Field Office, Bureau of Land Management, PD  
T. 51 N., R. 95 W., 6TH PM  
 Sec. 28 LOTS 7, 12, 13, 15, 20, 21, 23, 27, 28;  
 Sec. 28 SW1/4NE1/4, NW1/4SE1/4;  
 Sec. 29 NE1/4NE1/4;  
 Sec. 32 LOTS 2,4,10, 11, 14 OF TRACT 44;  
 Sec. 32 S1/2SW1/4,S1/2SE1/4;  
 Sec. 33 LOTS 17;  
 Sec. 33 S1/2SE1/4.  
 Big Horn County  
 632.17 Acres  
 Stipulations:  
**WY Std Lease Notice 1041**  
 BLM Lease Notice for Water Monitoring Plans  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY WFO\_CSU\_PW**

BLM Stipulations for Water Resources and Public Water Supplies

**WY WFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY WFO\_NSO\_H2O500F**

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

**WY WFO\_NSO\_REC**

BLM Stipulations for Campgrounds, Trailheads, Day Use Areas, and Similar Recreation Sites

**WY WFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

EOI# WY00016378

**WY202X-XX-7155**

WY, Worland Field Office, Bureau of Land Management, PD

T. 51 N., R. 95 W., 6TH PM

Sec. 29 S1/2NW1/4 (EXCL

1.19 AC IN RSVR ROW

WYW51086);

Sec. 29 LOTS 13;

Sec. 29

W1/2NE1/4,N1/2NW1/4,W1/2S

W1/4;

Sec. 30 NE1/4,NE1/4NW1/4

(EXCL 5.56 AC IN RSVR

ROW WYW51086);

Sec. 30 LOTS 6 thru 8;

Sec. 30

SE1/4NW1/4,E1/2SW1/4,SE1/4

;

Sec. 31

N1/2NE1/4,SW1/4NE1/4,N1/2S

E1/4 (EXCL 8.0 AC IN RSVR

ROW WYW51086);

Sec. 31 LOTS 5 thru 8;

Sec. 31

SE1/4NE1/4,E1/2NW1/4,

E1/2SW1/4, S1/2SE1/4;

Sec. 32 LOTS 5, 8, 12 OF

TRACT 44;

Sec. 32 LOTS 6, 7, 9;

Sec. 36 LOTS 1, 3, 6, 7, 13, 14,

23.

Big Horn County

1733.49 Acres

Stipulations:

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY WFO\_CSU\_15MMLP**

BLM Stipulations for Fifteenmile Master Lease Plan Analysis Area (recreational setting, LRP soils, and geologic features)

**WY WFO\_CSU\_PSWRW**

BLM Stipulations for Perennial Surface Water and Riparian/Wetland Areas

**WY WFO\_CSU\_PW**

BLM Stipulations for Water Resources and Public Water Supplies

**WY WFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY WFO\_CSU\_T2M**

BLM Stipulations for Other Historic Trails

**WY WFO\_LN\_15MMLPERR**

BLM Lease Notice for Fifteenmile Master Leasing Plan

Analysis Area (Erosion, Revegetation, and Restoration)

**WY WFO\_LN\_15MMLPOHV**

BLM Lease Notice for Fifteenmile Master Leasing Plan Analysis Area (OHV and mountain bike travel)

**WY WFO\_NSO\_H2O500F**

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

**WY WFO\_NSO\_REC**

BLM Stipulations for Campgrounds, Trailheads, Day Use Areas, and Similar Recreation Sites

**WY WFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

EOI# WY00016378

**WY202X-XX-7039**

WY, Worland Field Office, Bureau of Land Management, PD

T. 50 N., R. 96 W., 6TH PM

Sec. 3 LOTS 5;

Sec. 13 ALL.

T. 51 N., R. 96 W., 6TH PM

Sec. 36 LOTS 14, 19, 20;

Sec. 36 S1/2SW1/4,S1/2SE1/4.

Big Horn County

849.67 Acres

Stipulations:

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
**WY WFO\_CSU\_15MMLP**  
BLM Stipulations for  
Fifteenmile Master Lease Plan  
Analysis Area (recreational  
setting, LRP soils, and geologic  
features)  
**WY WFO\_CSU\_PW**  
BLM Stipulations for Water  
Resources and Public Water  
Supplies  
**WY WFO\_LN\_15MMLPERR**  
BLM Lease Notice for  
Fifteenmile Master Leasing Plan  
Analysis Area (Erosion,  
Revegetation, and Restoration)  
**WY WFO\_LN\_15MMLPOHV**  
BLM Lease Notice for  
Fifteenmile Master Leasing Plan  
Analysis Area (OHV and  
mountain bike travel)  
**WY WFO\_NSO\_H2O500F**  
BLM Stipulations for Surface  
Water, Riparian/Wetland Areas,  
and Playas  
EOI# WY00015184

**WY202X-XX-7060**  
WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD  
T. 18 N., R. 99 W., 6TH PM  
Sec. 6 LOTS 8 thru 14;  
Sec. 6  
S1/2NE1/4,SE1/4NW1/4,E1/2S  
W1/4,SE1/4;  
Sec. 18 LOTS 5 thru 8;  
Sec. 18  
E1/2,E1/2NW1/4,E1/2SW1/4;  
Sec. 20  
NWNE,NENW,S2NW,NWSW  
(EXCL 20.18 AC IN RR ROW  
UNDER THE ACT OF  
3/3/1875);

Sec. 20  
NE1/4NE1/4,S1/2NE1/4,NW1/4  
NW1/4,NE1/4SW1/4,S1/2SW1/  
4,SE1/4;  
Sec. 30 LOT 5,NENW (EXC  
10.13 AC IN RR ROW UNDER  
THE ACT OF 3/3/1875);  
Sec. 30 LOTS 6 thru 8;  
Sec. 30  
E1/2,SE1/4NW1/4,E1/2SW1/4.  
Sweetwater County  
2501.09 Acres  
Stipulations:  
**WY RSFO\_CSU\_TRAILS**  
BLM Stipulations for Historic  
Trails (protecting cultural and  
scenic values)  
**WY RSFO\_NSO\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY RSFO\_TLS\_BGCW**  
BLM Stipulations for Big Game  
Crucial Winter Range  
**WY RSFO\_TLS\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015781  
**WY202X-XX-7100**  
WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD  
T. 18 N., R. 100 W., 6TH PM  
Sec. 4 LOTS 8 thru 10,15 thru  
17 (EXCL 31.66 IN RR ROW  
WYW49684);  
Sec. 4 LOTS 5 thru 7,11 thru  
14,18 thru 20;  
Sec. 6 LOTS 5 thru 12, 15 thru  
18;  
Sec. 10 LOTS 1 thru 16;  
Sec. 18 LOTS 5 thru 20.  
Sweetwater County  
2338.49 Acres  
Stipulations:  
**WY RSFO\_NSO\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY RSFO\_TLS\_RN**  
BLM Stipulations for Raptor  
Nests  
**WY Std Lease Notice No. 1**  
BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources  
**WY Std Lease Notice No. 2**  
BLM Lease Notice for National  
Historic Trails  
**WY Std Lease Notice No. 3**  
BLM Lease Notice for Greater  
Sage-Grouse Habitat  
**WY Std Lease Stipulation No.  
1**  
BLM Stipulations for Historic  
Properties  
**WY Std Lease Stipulation No.  
2**  
BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation  
**WY Std Lease Stipulation No.  
3**  
BLM Stipulations for Multiple  
Mineral Development  
**WY Std Notice to Lessee**  
BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00015782

**WY202X-XX-7107**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 18 N., R. 100 W., 6TH PM

Sec. 20 LOTS 2 thru 7, 9 thru  
16;

Sec. 22 LOTS 1-3,8 (EXCL  
22.68 AC UNDER THE ACT  
OF 3/3/1875);

Sec. 22 LOTS 4 thru 7,9 thru 16;

Sec. 28 LOTS 1 thru 16;

Sec. 30 LOTS 5 thru 20.

Sweetwater County

2454.31 Acres

Stipulations:

**WY RSFO\_CSU\_TRAILS**

BLM Stipulations for Historic  
Trails (protecting cultural and  
scenic values)

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015782

**WY202X-XX-7110**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 18 N., R. 100 W., 6TH PM

Sec. 32 LOTS 1 thru 16;

Sec. 34 LOTS 1 thru 16.

Sweetwater County

1348.95 Acres

Stipulations:

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015782

**WY202X-XX-7045**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 22 N., R. 100 W., 6TH PM

Sec. 30 LOTS 5 thru 8;

Sec. 30 E1/2,E1/2NW1/4,  
E1/2SW1/4;

Sec. 32 ALL.

Sweetwater County

1273.56 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_CSU\_PHMA**

BLM Stipulations for Greater  
Sage-Grouse Priority Habitat  
Management Areas (PHMAs) -  
Core Only

**WY SW\_NSO\_PHMAL**

BLM Stipulations for Greater  
Sage-Grouse leks. Within 0.6-  
mile radius of occupied leks  
inside Priority Habitat  
Management Areas

**WY SW\_TLS\_PHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)  
**WY SW\_TLS\_PHMAWCA**  
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas  
EOI# WY00015775

**WY202X-XX-7061**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 23 N., R. 100 W., 6TH PM

Sec. 5 SW1/4SE1/4,

S1/2SW1/4;

Sec. 6 S1/2SE1/4, E1/2SW1/4;

Sec. 8 ALL;

Sec. 10 SE1/4SE1/4;

Sec. 11 S1/2SW1/4, S1/2SE1/4;

Sec. 12 NE1/4SE1/4,

S1/2SW1/4, S1/2SE1/4;

Sec. 14 N1/2, N1/2SW1/4,

SW1/4SE1/4;

Sec. 22 NW1/4NW1/4,

S1/2NE1/4, S1/2NW1/4, S1/2.

Sweetwater County

2280 Acres

Stipulations:

**WY RSFO\_CSU\_RDWGEN**

BLM Stipulations for Red Desert Watershed Special Management Area Watershed, Visual, Wildlife and Soils

**WY RSFO\_CSU\_VRM**

BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015774

**WY202X-XX-7069**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 23 N., R. 100 W., 6TH PM

Sec. 20 ALL;

Sec. 26 ALL;

Sec. 28 ALL;

Sec. 30 LOTS 5 thru 8;

Sec. 30 E1/2,E1/2NW1/4,

E1/2SW1/4.

Sweetwater County

2549.8 Acres

Stipulations:

**WY RSFO\_CSU\_VRM**

BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015774

**WY202X-XX-0986**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 12 N., R. 101 W., 6TH PM

Sec. 19 LOTS 5 thru 12;

Sec. 19

W1/2NE1/4,E1/2NW1/4;

Sec. 20 LOTS 5 thru 11.

Sweetwater County

805.78 Acres

Stipulations:

**WY RSFO\_CSU\_RDWGEN**

BLM Stipulations for Red Desert Watershed Special Management Area Watershed, Visual, Wildlife and Soils

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor Nests

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015682

**WY202X-XX-7040**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 23 N., R. 101 W., 6TH PM

Sec. 22 ALL;

Sec. 24 ALL;

Sec. 26 ALL;

Sec. 34 S1/2, W1/2NE1/4, W1/2NW1/4.

Sweetwater County

2400 Acres

Stipulations:

**WY RSFO\_CSU\_TRAILS**

BLM Stipulations for Historic Trails (protecting cultural and scenic values)

**WY RSFO\_CSU\_VRM**

BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_CSU\_PHMA**

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

**WY SW\_TLS\_PHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas  
EOI# WY00015773

**WY202X-XX-1227**

WY, Cody Field Office, Bureau of Land Management, PD

T. 48 N., R. 101 W., 6TH PM

Sec. 6 LOTS 9,10;

Sec. 7 LOTS 4;

Sec. 7 SE1/4SW1/4;

Sec. 17 E1/2,NW1/4,

E1/2SW1/4, NW1/4SW1/4;

Sec. 18 LOTS 1 thru 4;

Sec. 18 NE1/4, E1/2NW1/4, NE1/4SE1/4.

Park County

1152.24 Acres

Stipulations:

**WY CyFO\_NSO\_H2O500F**

BLM Stipulations for Surface Water and Riparian/Wetland Areas

**WY CyFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice 1041**

BLM Lease Notice for Water Monitoring Plans

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00017079,

WY00017073

**WY202X-XX-0924**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 23 N., R. 103 W., 6TH PM

Sec. 23 NW1/4SW1/4.

Sweetwater County

40 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY Std Special Lease Notice II**

BLM Lease Notice for Big Game Migration  
EOI# WY00016618

**WY202X-XX-6782**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 28 N., R. 104 W., 6TH PM

Sec. 7 LOTS 1 thru 4;

Sec. 7 E1/2, E1/2NW1/4, E1/2SW1/4;

Sec. 9 SE1/4SE1/4;

Sec. 10 NENW (EXCL 3.57 AC IN RSVR ROW WYE02636);

Sec. 10 E1/2, SE1/4NW1/4, SW1/4SW1/4, E1/2SW1/4.

Sublette County

1179.27 Acres

Stipulations:

**WY**

**RSFO\_CSU\_WRSRMAW**

BLM Stipulations for Wind River Special Recreation Management Area West

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY Std Special Lease Notice II**

BLM Lease Notice for Big Game Migration

**WY SW\_CSU\_PHMA**

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

**WY SW\_NSO\_PHMAL**

BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas

**WY SW\_TLS\_PHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas  
EOI# WY00014592

**WY202X-XX-6976**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 30 N., R. 109 W., 6TH PM

Sec. 7 Bed of the New Fork River to lots 9-11;

Sec. 7 LOTS 7 thru 11;

Sec. 7 SE1/4;

Sec. 8 Bed of the New Fork River to lots 1,5-7;

Sec. 8 LOTS 1,5 thru 7;

Sec. 8 E1/2NE1/4,S1/2.

Sublette County

786.29 Acres

Stipulations:

**WY PFO\_TLS\_BEN**

BLM Stipulations for Bald Eagle Nests

**WY PFO\_TLS\_BEWR**

BLM Stipulations for Bald Eagle Winter Roosts

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_YBC**

BLM Stipulations for Yellow Billed Cuckoo Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development



**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing  
EOI# WY00015669

**WY202X-XX-0911**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 27 N., R. 110 W., 6TH PM

Sec. 1 LOTS 1 thru 4;

Sec. 1 S1/2NE1/4, S1/2NW1/4,  
S1/2;

Sec. 2 LOTS 1 thru 4;

Sec. 2 S1/2NE1/4, S1/2NW1/4,  
S1/2;

Sec. 3 LOTS 1 thru 4;

Sec. 3 S1/2NE1/4, S1/2NW1/4,  
S1/2.

Sublette County

1922.08 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act

requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015721

**WY202X-XX-7003**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 27 N., R. 110 W., 6TH PM

Sec. 4 LOTS 1 thru 4;

Sec. 4

S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 5 LOTS 1 thru 4;

Sec. 5

S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 6 LOTS 1 thru 7;

Sec. 6

S1/2NE1/4, SE1/4NW1/4, E1/2S  
W1/4, SE1/4;

Sec. 7 LOTS 1 thru 4;

Sec. 7

E1/2, E1/2NW1/4, E1/2SW1/4.

Sublette County

2514.11 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00015721

**WY202X-XX-0918**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 27 N., R. 110 W., 6TH PM

Sec. 8 ALL;

Sec. 9 ALL;

Sec. 10 ALL;

Sec. 11 ALL.

Sublette County

2560 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015721

**WY202X-XX-7008**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 27 N., R. 110 W., 6TH PM

Sec. 12 ALL.

Sublette County

640 Acres

Stipulations:

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor Nests

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

1

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

2

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015721

**WY202X-XX-0870**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 29 N., R. 110 W., 6TH PM

Sec. 1

NE1/4SW1/4,S1/2SW1/4,SE1/4

;

Sec. 2

NW1/4SW1/4,S1/2SW1/4,S1/2 SE1/4;

Sec. 11 ALL;

Sec. 12 N1/2NE1/4, SW1/4NE1/4, NW1/4NW1/4, S1/2NW1/4, S1/2.

Sublette County

1680 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_CSU\_WTPD**

BLM Stipulations for White-tailed Prairie Dog Towns

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

1

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

2

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

3

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

EOI# WY00015674

**WY202X-XX-6981**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 29 N., R. 110 W., 6TH PM

Sec. 3 S1/2;

Sec. 4

SE1/4SW1/4,SW1/4SE1/4,E1/2 SE1/4;

Sec. 13

E1/2,N1/2NW1/4,SE1/4NW1/4, SW1/4;

Sec. 14 ALL.

Sublette County

1720 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_CSU\_WTPD**

BLM Stipulations for White-tailed Prairie Dog Towns

**WY PFO\_NSO\_CR**

BLM Stipulations for Cultural Resources

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015674

**WY202X-XX-0886**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 29 N., R. 110 W., 6TH PM

Sec. 6 LOTS 1;

Sec. 6 SE1/4NE1/4,

NW1/4SE1/4.

Sublette County

120.1 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_NSO\_NLB**

BLM Stipulations for Buffering No Lease Areas

**WY PFO\_TLS\_BEN**

BLM Stipulations for Bald Eagle Nests

**WY PFO\_TLS\_BEWR**

BLM Stipulations for Bald Eagle Winter Roosts

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_YBC**

BLM Stipulations for Yellow Billed Cuckoo Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00015674

**WY202X-XX-0878**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 29 N., R. 110 W., 6TH PM

Sec. 8 E1/2, E1/2NW1/4, SW1/4SW1/4, E1/2SW1/4;

Sec. 9 ALL;

Sec. 10 ALL.

Sublette County

1800 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting,

etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015674

**WY202X-XX-0882**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 29 N., R. 110 W., 6TH PM

Sec. 17 E1/2, NW1/4,  
E1/2SW1/4;  
Sec. 20 E1/2, E1/2NW1/4,  
NW1/4NW1/4, SE1/4SW1/4.  
Sublette County  
1040 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing  
Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain  
Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater  
Sage-Grouse Winter  
Concentration Areas  
EOI# WY00015674

**WY202X-XX-1023**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 14 N., R. 111 W., 6TH PM

Sec. 1 LOTS 5 thru 8;

Sec. 1 S1/2NE1/4,S1/2NW1/4,  
S1/2;

Sec. 2 LOTS 5 thru 8;

Sec. 2 S1/2NE1/4,S1/2NW1/4,  
S1/2;

Sec. 11 ALL.

Sweetwater County  
1920.12 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00015226

**WY202X-XX-7103**

WY, Rock Springs Field Office,  
Bureau of Land Management,  
PD

T. 14 N., R. 111 W., 6TH PM

Sec. 3 LOTS 5 thru 8;

Sec. 3 S1/2NE1/4, S1/2NW1/4,  
S1/2;

Sec. 4 LOTS 5 thru 8;

Sec. 4 S1/2NE1/4,S1/2NW1/4,  
S1/2;

Sec. 9 ALL;

Sec. 10 ALL.

Sweetwater County

2559.88 Acres

Stipulations:

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor  
Nests

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00015226

**WY202X-XX-1025**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 14 N., R. 111 W., 6TH PM

Sec. 12 ALL;

Sec. 13 NW1/4, N1/2SW1/4. Sweetwater County

880 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing  
EOI# WY00015226

**WY202X-XX-6995**

WY, Pinedale Field Office, Bureau of Land Management, PD

T. 28 N., R. 111 W., 6TH PM

Sec. 1 SE1/4NE1/4,

S1/2SW1/4, SE1/4;

Sec. 11 NE1/4, SE1/4NW1/4, S1/2;

Sec. 12 ALL.

Sublette County

1440 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing Owl Nesting Habitat

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

EOI# WY00015721

**WY202X-XX-0904**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 28 N., R. 111 W., 6TH PM

Sec. 13 ALL;

Sec. 14 ALL;

Sec. 23 ALL;

Sec. 25 S1/2.

Sublette County

2240 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas  
EOI# WY00015721

**WY202X-XX-7000**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 28 N., R. 111 W., 6TH PM

Sec. 24 ALL;

Sec. 26 ALL;

Sec. 35 ALL.

Sublette County

1920 Acres

Stipulations:

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY RSFO\_NSO\_RN**

BLM Stipulations for Raptor Nests

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY RSFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

**WY SW\_TLS\_PHMAWCA**

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas  
EOI# WY00015721

**WY202X-XX-1267**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 30 N., R. 111 W., 6TH PM

Sec. 1 LOT 2 (EXCLUDING 2.25 AC IN RSVR ROW

WYE04315);

Sec. 1 SWNE (EXCL 0.58 AC IN RSVR ROW WYE04315);

Sec. 1 LOTS 3;

Sec. 1 S1/2NW1/4.

Sublette County

197.12 Acres

Stipulations:

**WY PFO\_CSU\_LT**

BLM Stipulations for Lander Trail

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor Nests

**WY PFO\_NSO\_NLB**

BLM Stipulations for Buffering No Lease Areas

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

EOI# WY00016933

**WY202X-XX-7216**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 30 N., R. 111 W., 6TH PM

Sec. 1 SENE (EXCL 1.83 AC  
IN RSVR ROW WYE04315);

Sec. 1 LOTS 1;

Sec. 25 SE1/4NE1/4,SE1/4.

Sublette County

278.16 Acres

Stipulations:

**WY PFO\_CSU\_LT**

BLM Stipulations for Lander  
Trail

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests

**WY PFO\_CSU\_WTPD**

BLM Stipulations for White-  
tailed Prairie Dog Towns

**WY PFO\_NSO\_LT**

BLM Stipulations for Lander  
Trail

**WY PFO\_NSO\_NLB**

BLM Stipulations for Buffering  
No Lease Areas

**WY PFO\_TLS\_BEN**

BLM Stipulations for Bald  
Eagle Nests

**WY PFO\_TLS\_BEWR**

BLM Stipulations for Bald  
Eagle Winter Roosts

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing  
Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain  
Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY PFO\_TLS\_YBC**

BLM Stipulations for Yellow  
Billed Cuckoo Nesting Habitat

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater  
Sage-Grouse breeding, nesting,  
etc. Within 2 miles of an  
occupied lek outside Priority  
Habitat Management Areas  
EOI# WY00016931

**WY202X-XX-1262**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 30 N., R. 111 W., 6TH PM

Sec. 21 N1/2;

Sec. 28

W1/2SW1/4,SE1/4SW1/4;

Sec. 33 NE1/4, E1/2NW1/4,

NE1/4SW1/4.

Sublette County

720 Acres

Stipulations:

**WY PFO\_CSU\_LT**

BLM Stipulations for Lander  
Trail

**WY PFO\_CSU\_RN**

BLM Stipulations for Raptor  
Nests

**WY PFO\_CSU\_WTPD**

BLM Stipulations for White-  
tailed Prairie Dog Towns

**WY PFO\_NSO\_NLB**

BLM Stipulations for Buffering  
No Lease Areas

**WY PFO\_TLS\_BEN**

BLM Stipulations for Bald  
Eagle Nests

**WY PFO\_TLS\_BEWR**

BLM Stipulations for Bald  
Eagle Winter Roosts

**WY PFO\_TLS\_BGCW**

BLM Stipulations for Big Game  
Crucial Winter Range

**WY PFO\_TLS\_BONH**

BLM Stipulations for Burrowing  
Owl Nesting Habitat

**WY PFO\_TLS\_MPN**

BLM Stipulations for Mountain  
Plover Nests

**WY PFO\_TLS\_RN**

BLM Stipulations for Raptor  
Nests

**WY Std Lease Notice No. 1**

BLM Lease Notice for  
Reasonable Measures to  
Minimize Adverse Impacts to  
Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National  
Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater  
Sage-Grouse Habitat

**WY Std Lease Stipulation No.**

**1**

BLM Stipulations for Historic  
Properties

**WY Std Lease Stipulation No.**

**2**

BLM Stipulations for  
Endangered Species Act Section  
7 Consultation Stipulation

**WY Std Lease Stipulation No.**

**3**

BLM Stipulations for Multiple  
Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for  
Attachment to Each Lease.  
Mineral Leasing Act  
requirements with respect to  
coal leasing

EOI# WY00016932

**WY202X-XX-1261**

WY, Pinedale Field Office,  
Bureau of Land Management,  
PD

T. 30 N., R. 111 W., 6TH PM

Sec. 34 N1/2;

Sec. 35

NW1/4NW1/4,S1/2NW1/4,NE1/4SW1/4,SE1/4.  
 Sublette County  
 640 Acres  
 Stipulations:  
**WY PFO\_CSU\_RN**  
 BLM Stipulations for Raptor Nests  
**WY PFO\_CSU\_VRM**  
 BLM Stipulations for Visual Resource Management Areas (Class I and II)  
**WY PFO\_NSO\_NLB**  
 BLM Stipulations for Buffering No Lease Areas  
**WY PFO\_TLS\_BEN**  
 BLM Stipulations for Bald Eagle Nests  
**WY PFO\_TLS\_BEWR**  
 BLM Stipulations for Bald Eagle Winter Roosts  
**WY PFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY PFO\_TLS\_MPN**  
 BLM Stipulations for Mountain Plover Nests  
**WY PFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
**WY PFO\_TLS\_YBC**  
 BLM Stipulations for Yellow Billed Cuckoo Nesting Habitat  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**  
 BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease.  
 Mineral Leasing Act requirements with respect to coal leasing  
 EOI# WY00016931  
  
**WY202X-XX-7192**  
 WY, Pinedale Field Office, Bureau of Land Management, PD  
T. 30 N., R. 113 W., 6TH PM  
 Sec. 18 W1/2NE1/4, SE1/4NE1/4, SW1/4SE1/4, E1/2SE1/4;  
 Sec. 26 N1/2, SE1/4;  
 Sec. 32 NE1/4NE1/4;  
 Sec. 35 E1/2, N1/2NW1/4, S1/2NW1/4, SW1/4.  
 Sublette County  
 1360 Acres  
 Stipulations:  
**WY PFO\_CSU\_LT**  
 BLM Stipulations for Lander Trail  
**WY PFO\_NSO\_NLB**  
 BLM Stipulations for Buffering No Lease Areas  
**WY PFO\_TLS\_BGCW**  
 BLM Stipulations for Big Game Crucial Winter Range  
**WY PFO\_TLS\_RN**  
 BLM Stipulations for Raptor Nests  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat  
**WY Std Lease Stipulation No. 1**  
 BLM Stipulations for Historic Properties  
**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation  
**WY Std Lease Stipulation No. 3**  
 BLM Stipulations for Multiple Mineral Development  
**WY Std Notice to Lessee**  
 BLM Lease Notice for Attachment to Each Lease.  
 Mineral Leasing Act requirements with respect to coal leasing  
**WY SW\_NSO\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas  
**WY SW\_TLS\_GHMAL**  
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
 EOI# WY00014799  
  
**WY202X-XX-1219**  
 WY, Rock Springs Field Office, Bureau of Land Management, PD  
T. 12 N., R. 114 W., 6TH PM  
 Sec. 1 LOTS 3;  
 Sec. 1 NW1/4SW1/4;  
 Sec. 12 LOTS 1 thru 8;  
 Sec. 12 S1/2NE1/4, S1/2NW1/4, N1/2SW1/4, N1/2SE1/4;  
 Sec. 13 ALL;  
 Sec. 24 N1/2NW1/4, SW1/4NW1/4.  
 Uinta County  
 1319.63 Acres  
 Stipulations:  
**WY Std Lease Notice No. 1**  
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources  
**WY Std Lease Notice No. 2**  
 BLM Lease Notice for National Historic Trails  
**WY Std Lease Notice No. 3**  
 BLM Lease Notice for Greater Sage-Grouse Habitat



**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_NSO\_GHMAL**

BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016972

**WY202X-XX-1221**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 12 N., R. 114 W., 6TH PM

Sec. 2 LOTS 4;

Sec. 15 NE1/4NE1/4.

Uinta County

80.17 Acres

Stipulations:

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016961

**WY202X-XX-7214**

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 12 N., R. 114 W., 6TH PM

Sec. 3 LOTS 1 thru 4;

Sec. 3 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 11 LOTS 1 thru 8;

Sec. 11

W1/2NE1/4,SE1/4NE1/4, N1/2SE1/4;

Sec. 11 S1/2NE1/4, N1/2SE1/4;

Sec. 14 ALL;

Sec. 23 NE1/4, N1/2NW1/4.

Uinta County

1878.53 Acres

Stipulations:

**WY RSFO\_TLS\_BGCW**

BLM Stipulations for Big Game Crucial Winter Range

**WY Std Lease Notice No. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY Std Lease Notice No. 2**

BLM Lease Notice for National Historic Trails

**WY Std Lease Notice No. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY Std Lease Stipulation No. 1**

BLM Stipulations for Historic Properties

**WY Std Lease Stipulation No. 2**

BLM Stipulations for Endangered Species Act Section 7 Consultation Stipulation

**WY Std Lease Stipulation No. 3**

BLM Stipulations for Multiple Mineral Development

**WY Std Notice to Lessee**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

**WY SW\_TLS\_GHMAL**

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas  
EOI# WY00016971

#### 4.4.1 Lease Stipulation Code Index

| STIPULATION CODE | STIPULATION LANGUAGE   |
|------------------|--|
| WY_BFO_CSU_BEGE  | CSU (1) Prior to surface disturbance within 1.0 mile of consistently used bald and golden eagle winter roosts and riparian corridors a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit |

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|                  | to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that wintering eagles will not be disturbed (as defined by the Bald and Golden Eagle Protection Act). Bald or golden eagles will not be agitated or bothered to a degree that causes or is likely to cause physical injury, or a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) protecting bald and golden eagle winter roosting habitat.   |
| WY_BFO_CSU_BGCW  | CSU (1) Prior to surface disturbance within Wyoming Game and Fish Department designated big game crucial winter range, a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the function and suitability of crucial big game winter ranges will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of crucial big game winter range.  |
| WY_BFO_CSU_C100F | CSU (1) Prior to surface disturbance or disruptive activities near an entrance to a significant cave a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction that the action will not destroy, disturb, deface, mar, alter, remove, or harm any significant cave or alter the free movement of any animal or plant life into or out of any significant cave; (2) as mapped by the BLM; (3) protecting significant cave resources (any material or substance occurring naturally in caves, such as animal life, plant life, paleontological deposits, sediments, minerals, speleogens, and speleothems).  |
| WY_BFO_CSU_CLBA  | CSU (1) Surface use or occupancy shall not be allowed by oil and gas lessee(s), operating rights holder(s), and/or oil and gas operator(s) on this Federal oil and gas lease to conduct any oil and gas operation, including drilling for, removing, or disposing of oil and/or gas contained in Federal coal lease(s) unless a plan for mitigation of anticipated impacts is developed between the oil and gas and the coal lessees, and the Plan is approved by the BLM Authorized Officer; (2) on areas identified as highly likely to be considered in a Coal Lease By Application as mapped by the US Office of Surface Mining, Wyoming Department of Environmental Quality, US Geological Survey, and/or BLM; (3) protecting the first in time valid existing rights of the coal lessee, the BLM Authorized Officer reserves the right to alter or modify any oil and gas operations on the lands described in this lease ensuring the orderly development of the coal resource by surface and/or underground mining methods, coal mine worker safety, and/or coal production rates or recovery of the coal resource. The oil and gas lessee(s), operating rights holder(s), and/or oil and gas operator(s) of this Federal oil and gas lease shall not hold the United States as lessor, coal lessee(s), sub-lessee(s), and/or coal operator(s) liable for any damage or loss of the oil and gas resource, including the venting of coalbed natural gas, caused by coal exploration or mining operations conducted on Federal coal lease. |
| WY_BFO_CSU_EC    | CSU (1) Prior to surface disturbance within Wyoming Game and Fish Department designated elk calving areas a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the function and suitability of elk calving areas will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of elk calving areas.  |

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| WY_BFO_CSU_ECWC    | CSU (1) Fluid mineral production and byproducts shall be piped out of, and permanent above ground facilities will be located outside of, Wyoming Game and Fish Department designated elk crucial winter range and calving areas unless a mitigation plan (Plan) is submitted by the applicant and approved by the BLM as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the function and suitability of elk crucial winter range and elk calving areas will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of elk crucial winter range and elk calving areas.  |
| WY_BFO_CSU_FCR     | CSU (1) Surface-disturbing and disruptive activities shall only be approved with adequate mitigation to ensure compliance with the Fortification Creek Resources Management Plan Amendment (BLM 2011) performance standards. Prior to surface disturbance within the Fortification Creek Planning Area a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate); (2) within the Fortification Creek Planning Area (Map 3-36); (3) protecting the viability of the Fortification elk herd and facilitating ecosystem reconstruction in the stabilization of disturbed areas.  |
| WY_BFO_CSU_FQM     | CSU (1) Prior to surface disturbance within 0.25 mile of naturally occurring water bodies containing native or desirable non-native fish species a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that there will not be a local decline in fish abundance or range as a result of the lease operations. Examples of a few of the items to consider are as follows. Spill prevention measures must be used to ensure hydrocarbons and other potentially toxic substances used for lease activities are prevented from entering the watercourse. Sediment control measures must be used to ensure increased sediment contributions are avoided; (2) as mapped by the Wyoming Game and Fish Department and/or BLM; (3) protecting native and desirable non-native fish populations and habitat.        |
| WY_BFO_CSU_GSGRH   | CSU (1) All applicable surface disturbances (existing or future, and not limited to fluid mineral disturbances) must be restored, as described in the Buffalo Field Office Resource Management Plan, to the approval of the BLM Authorized Officer; (2) Greater Sage-Grouse Core Population Areas and Connectivity Corridors (Priority Habitat) as mapped on the Buffalo Field Office GIS database; (3) to restore functional Greater Sage-Grouse habitat to support core Greater Sage-Grouse populations.  |
| WY_BFO_CSU_H       | CSU (1) Prior to surface disturbance within 3 miles of the Pumpkin Buttes, Cantonment Reno, Dull Knife Battle, and Crazy Woman Battle historic properties, contributing and unevaluated segments of the Bozeman Trail, all rock art sites, all rock shelter sites, and all Native American burials, a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions after consultation with the State Historic Preservation Office, applicable Indian tribes, and other interested parties. The Plan must demonstrate to the Authorized Officer's satisfaction that there will be no adverse effects to National Register of Historic Places eligible or listed historic properties (i.e., the infrastructure will either not be visible or will result in a weak contrast rating); (2) as mapped on the Buffalo Field Office GIS database; (3) ensuring the setting of historic properties. |
| WY_BFO_CSU_H20500F | CSU (1) Prior to surface disturbance within 500 feet of springs, reservoirs not associated with coal bed natural gas projects, water wells, and perennial streams a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the   |

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|                  | <p>BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. Storm water and surface runoff will be controlled to minimize erosion (rilling, gullyng, piping, mass wasting) and offsite siltation during construction, use/operations, and reclamation. Offsite areas will be protected from accelerated soil erosion. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey’s National Hydrologic Inventory and/or as determined by a BLM evaluation of the area; (3) ensuring protection of surface waters and associated riparian habitats by meeting the standards outlined in, Chapter 6 of the BLM’s Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p>  |
| WY_BFO_CSU_PD    | <p>CSU (1) Prior to surface disturbance within active prairie dog colonies on BLM-administered surface a special status species occupancy survey must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that activities with active prairie dog colonies on BLM surface would not adversely impact suitable habitat for special status species dependent upon prairie dog colonies; (2) as mapped or determined on the Buffalo Field Office GIS database or from field evaluation, in coordination with the US Fish and Wildlife Service and Wyoming Game and Fish Department; (3) conserving special status species wildlife and the prairie dog colonies on which they depend.</p>  |
| WY_BFO_CSU_PHMAC | <p>CSU (1) Surface occupancy or use will be restricted. The cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the Disturbance Density Calculation Tool (DDCT) area, as described in the DDCT manual; (2) as mapped on the Buffalo Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Connectivity only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Connectivity only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs (Connectivity only) or surface disturbance created by other land users. The BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases.</p>  |
| WY_BFO_CSU_R500F | <p>CSU (1) Prior to surface disturbance within 500 feet of riparian systems, wetlands, and aquatic habitats a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. Storm water and surface runoff will be controlled to minimize erosion (rilling, gullyng, piping, mass wasting) and offsite siltation during construction, use/operations, and reclamation. Offsite areas will be protected from accelerated soil erosion. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey’s National Hydrologic Inventory and/or as determined by a BLM evaluation of the area; (3) ensuring protection of surface waters and associated riparian habitats by meeting the standards outlined in, Chapter 6 of the BLM’s Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |

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|-------------------------|---|
| WY_BFO_CSU_RN           | <p>CSU (1) Prior to surface disturbance within US Fish and Wildlife Service recommended spatial buffers of raptor nests a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations.</p> <p>The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that nesting raptors will not be disturbed. Nesting raptors will not be agitated or bothered to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior, or nest abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by the BLM from field evaluation in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring raptor productivity.</p>  |
| WY_BFO_CSU_SE           | <p>CSU (1) Prior to surface disturbance on soils with a severe erosion hazard rating a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability. Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the Natural Resources Conservation Service Soil Survey Geographic Database (SSURGO) Order 3 soil survey and/or as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on soils with a severe erosion hazard rating in order to meet the standards outlined in Chapter 6 the BLM’s Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p>   |
| WY_BFO_CSU_Slopes25to50 | <p>CSU (1) Prior to surface disturbance on slopes greater than 25% and less than 50% a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The Plan must include designs approved and stamped by a licensed engineer. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. Slope stability is maintained preventing slope failure or mass wasting. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability. Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey (USGS) 1:24,000 scale topographic maps, USGS Digital Elevation Models, and/or as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on slopes greater than 25% and less than 50% in order to meet the standards outlined in Chapter 6 of the BLM’s Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |

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| WY_BFO_CSU_SLR   | <p>CSU (1) Prior to surface disturbance on limited reclamation potential areas a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The Plan must include designs approved and stamped by a licensed engineer. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability. Slope stability is maintained preventing slope failure and erosion. Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the Natural Resources Conservation Service Soil Survey Geographic Database (SSURGO) Order 3 soil survey and as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on limited reclamation potential areas in order to meet the standards outlined in, Chapter 6 of the BLM’s Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |
| WY_BFO_CSU_SSP   | <p>CSU (1) Prior to surface disturbance within Ute ladies’-tresses orchid habitat flowering season survey(s) must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that Ute ladies’-tresses orchids will not be harmed and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Natural Diversity Database, the Buffalo Field Office GIS database, or from field evaluation; (3) conserving Ute ladies’-tresses orchids and the habitat on which they depend.</p>  |
| WY_BFO_CSU_SSPF  | <p>CSU (1) Prior to surface disturbance within special status plant species habitats, flowering season surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that special status plant species will not be harmed and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Natural Diversity Database, the Buffalo Field Office GIS database, or from field evaluation; (3) conserving special status plant species and the habitat on which they depend.</p>  |
| WY_BFO_CSU_SSWLA | <p>CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of perennial water, vernal pools, playas, and wetlands appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer’s satisfaction that special status amphibian species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, sheltering, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, sheltering, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3)</p>   |

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|                  | ensuring production of special status amphibian species breeding, sheltering, and hibernation habitat.   |
| WY_BFO_CSU_SSWLB | CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of cave entrances, mature forest, and rock outcrops appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer's satisfaction that special status bat species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, nursery, roosting, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, nursery, roosting, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring protection of special status bat species breeding, nursery, roosting, and hibernation habitat.  |
| WY_BFO_CSU_SSWLH | CSU (1) Prior to surface disturbance within special status species wildlife habitat an occupancy survey must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that special status wildlife species will not be harmed (any act which actually kills or injures wildlife including habitat modification or degradation that substantially impairs essential behavioral patterns) and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Game and Fish Department, Wyoming Natural Diversity Database, or BLM from field evaluation; (3) conserving special status species wildlife and the habitat on which they depend (BLM 2008 -6840 manual).   |
| WY_BFO_CSU_SSWLR | CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of south facing rock outcrops, perennial water, vernal pools, playas, and wetlands appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer's satisfaction that special status reptile species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, basking, sheltering, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, basking, sheltering, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring production of special status reptile species breeding, basking, sheltering, and hibernation habitat. |
| WY_BFO_CSU_STG   | CSU (1) Prior to surface disturbance within 0.25 mile of the perimeter of occupied sharp-tailed grouse leks a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the function and suitability of sharp-tailed grouse breeding habitat will not be impaired (result in physical injury, a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior, or lek abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior); (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of sharp-tailed grouse breeding habitat.  |

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| WY_BFO_CSU_TCP      | CSU (1) Prior to surface disturbance within 3 miles of traditional cultural properties a mitigation plan (Plan) must be submitted by the applicant. The Plan must be approved or approved with conditions by the BLM Authorized Officer prior to surface-disturbing activities after consultation with the State Historic Preservation Office, applicable Indian tribes, and other interested parties. The Plan must demonstrate there will be no adverse effects to National Register of Historic Places eligible or listed historic properties (i.e., proposed infrastructure is either not visible or will result in a weak contrast rating); (2) as mapped on the Buffalo Field Office GIS database; (3) ensuring the setting of traditional cultural properties.   |
| WY_BFO_CSU_VRMII    | CSU (1) Prior to surface disturbance within Visual Resource Management (VRM) Class 2 areas, a site-specific plan must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the plan (with conditions, as appropriate). The plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. A visual contrast rating must demonstrate that VRM Class 2 objectives will be met. Where required by the BLM Authorized Officer, a visual simulation must be prepared and must demonstrate that VRM Class 2 objectives will be met through practices such as siting of permanent facilities. Where present and feasible, existing surface disturbances shall be utilized. New surface disturbances shall be minimized to the extent practicable. All permanent above-ground facilities (such as production tanks or other production facilities) not having specific coloration requirements for safety must be painted or designed using a BLM-approved color; (2) as mapped on the Buffalo Field Office GIS database; (3) protecting VRM Class 2 areas. |
| WY_BFO_CSU_WHSRMA   | CSU (1) Prior to surface disturbance within Special Recreation Management Areas (SRMAs) available for leasing (Weston Hills) a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the proposed action is consistent with the prescribed management for the SRMA; (2) as mapped or determined by BLM; (3) ensuring the recreational opportunities and setting of the SRMA.   |
| WY_BFO_NSO_BEGE     | NSO (1) Within 0.5 miles from the edge of consistently used bald or golden eagle winter roosts and Clear Creek, Crazy Woman Creek, Piney Creek, Powder River, and Tongue River, consistently used riparian corridors, as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) protecting wintering bald and golden eagles.   |
| WY_BFO_NSO_BEN      | NSO (1) Within 0.5 mile of bald eagle nests as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) ensuring productivity of bald eagles.  |
| WY_BFO_NSO_BGHMA    | NSO (1) Within Wyoming Game and Fish Department Big Game Habitat Management Areas (Ed O. Taylor, Kerns, Bud Love, and Amsden Creek) as mapped by the Wyoming Game and Fish Department; (2) ensuring the function and suitability of Wyoming Game and Fish Department Big Game Habitat Management Areas.   |
| WY_BFO_NSO_H        | NSO (1) Within the Pumpkin Buttes, Cantonment Reno, Dull Knife Battle, and Crazy Woman Battle historic properties, contributing and unevaluated segments of the Bozeman Trail, all rock art sites, all rock shelter sites, all Native American burials; as mapped on the Buffalo Field Office GIS database; (2) protecting historic properties.   |
| WY_BFO_NSO_HIP      | NSO (1) No surface occupancy or use is allowed on lands containing paleontological resources of high quality or importance as mapped on the Buffalo Field Office GIS database; (2) protecting paleontological resources of high quality or importance.  |
| WY_BFO_NSO_PBACEC   | NSO (1) Within the Pumpkin Buttes Area of Critical Environmental Concern as mapped or determined by BLM; (2) protecting the relevant and important values.  |
| WY_BFO_NSO_Slopes50 | NSO (1) On slopes greater than 50% as mapped by the US Geological Survey 1:24,000 scale topographic maps, US Geological Survey Digital Elevation Models, and/or as  |



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|                    | determined by a BLM evaluation of the area; (2) preventing mass slope failure and accelerated erosion.  |
| WY_BFO_NSO_SSF     | NSO (1) Within 0.25 mile of any waters containing special status fish species as mapped on the Buffalo Field Office GIS database or from field evaluation, in consultation with the Wyoming Game and Fish Department; (2) protecting special status fish populations and habitat.   |
| WY_BFO_NSO_SSP     | NSO (1) Within special status species plant populations as mapped on the Buffalo Field Office GIS database, or determined by BLM from field evaluation, in coordination with the Wyoming Natural Diversity Database and/or US Fish and Wildlife Service; (2) protecting special status species plant populations.   |
| WY_BFO_NSO_SSRN    | NSO (1) Within a species specific spatial buffer of special status species raptor nests using US Fish and Wildlife Service Wyoming Ecological Service's recommendations (Appendix Q (p. 633) or <a href="http://www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html">www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html</a> ) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) protecting nest sites of special status raptors.  |
| WY_BFO_NSO_TCP     | NSO (1) On lands containing traditional cultural properties as mapped on the Buffalo Field Office GIS database; (2) protecting traditional cultural properties.   |
| WY_BFO_TLS_BEN     | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Feb 1 to Aug 15 within 1.0 mile of active bald eagle nests; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring productivity of bald eagles.   |
| WY_BFO_TLS_BGCWEC  | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Nov 15 to Apr 30 within big-game crucial winter range, or from May 1 to Jun 15 within elk calving areas (Wyoming Game and Fish Department 2009); (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of crucial big game winter ranges.  |
| WY_BFO_TLS_EC      | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from May 1 to Jun 15 within elk calving areas (Wyoming Game and Fish Department 2009); (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of elk calving areas.  |
| WY_BFO_TLS_EWR     | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Nov 1 to Apr 1 within 1.0 mile from the edge of consistently used eagle winter roosts and the following consistently used riparian corridors: Clear Creek, Crazy Woman Creek, Piney Creek, Powder River, and Tongue River; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) protecting roosting eagles.  |
| WY_BFO_TLS_NSSRN   | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted within the US Fish and Wildlife Service Wyoming Ecological Service's recommended spatial buffers and dates of active non-special status species raptor nests. (Appendix Q (p. 633) or <a href="http://www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html">www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html</a> ); (2) as mapped on the Buffalo Field Office GIS database or determined by BLM from field evaluation in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring raptor nest productivity. |
| WY_BFO_TLS_PHMAC   | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Buffalo Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside Priority Habitat Management Areas (Connectivity only), within 4 miles of an occupied lek.   |
| WY_BFO_TLS_PHMAL   | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Buffalo Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside designated Priority Habitat Management Areas (Core only). Where credible data support different timeframes for this restriction, dates may be expanded by 14 days prior or subsequent to the above dates.   |
| WY_BFO_TLS_PHMAWCA | TLS (1) Dec 1 to Mar 14; (2) as mapped on the Buffalo Field Office GIS database; (3) to seasonally protect Greater Sage-Grouse winter concentration areas in designated Priority Habitat Management Areas (Core and Connectivity), and outside designated   |

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|                             | PHMAs (Core and Connectivity) when supporting wintering Greater Sage-Grouse that attend leks within designated PHMAs (Core only).  |
| WY_BFO_TLS_SSRN             | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted within US Fish and Wildlife Service recommended spatial buffers and dates (Appendix Q (p. 633) or <a href="http://www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html">www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html</a> ) of active raptor nests of special status species; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring productivity of nesting special status raptors. |
| WY_BFO_TLS_STG              | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Apr 1 to Jul 15 (Wyoming Game and Fish Department 2009) within 2 miles of the perimeter of occupied sharp-tailed grouse leks; (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of sharp-tailed grouse nesting habitat.   |
| WY_LFO_CSU_BRMLP2024        | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting unique plant communities, cultural sites, viewshed, geologic resources, wild horse migration routes, and riparian-wetland resources of the Beaver Rim Master Leasing Plan analysis area.  |
| WY_LFO_CSU_LRPS1013         | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting limited reclamation potential soils.  |
| WY_LFO_CSU_PYFC5058         | CSU (1) Surface use or occupancy is restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting fossil resources within designated “very high” or “high” potential fossil yield classification areas.  |
| WY_LFO_CSU_RHTEH5018        | CSU (1) Surface use or occupancy will be restricted within a 2-mile buffer of Regional Historic Trails and Early Highways; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Regional Historic Trails and Early Highways and their settings.   |
| WY_LFO_CSU_S15TO24P101<br>4 | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting areas containing slopes between 15 and 24 percent.  |
| WY_LFO_CSU_SR6124           | CSU (1) Surface use or occupancy is restricted within the Sweetwater Rocks viewshed; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Sweetwater Rocks periphery.   |
| WY_LFO_CSU_VRM5066          | CSU (1) Surface occupancy or use is restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting VRM Class I and II areas.  |
| WY_LFO_CSU1048              | CSU (1) Surface occupancy and use will be restricted; (2) as mapped on the Lander field Office GIS database; (3) protecting 100-year floodplains and riparian-wetland areas.   |
| WY_LFO_CSU2024              | CSU (1) Surface occupancy and use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting 100-year floodplains within the Beaver Rim Master Leasing Plan analysis area.  |
| WY_LFO_CSU5025              | CSU (1) Surface use or occupancy will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Cedar Ridge Traditional Cultural Property periphery.  |
| WY_LFO_NSO_ACEC7059         | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting the relevant and important Area of Critical Environmental Concern values.  |
| WY_LFO_NSO_BRH4095          | NSO (1) Within 0.25-mile of identified bat maternity roosts and hibernation sites as mapped on the Lander Field Office GIS database; (2) protecting bat maternity roosts and hibernation sites.  |
| WY_LFO_NSO_BRMLP2024        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting unique plant communities, cultural sites, viewshed, and geologic resources in the Beaver Rim Master Leasing Plan area.   |
| WY_LFO_NSO_CG5034           | NSO (1) as mapped on the Lander Field Office GIS database; (2) protecting the Castle Gardens cultural site and periphery.  |
| WY_LFO_NSO_HTAC4045         | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting wildlife, cultural resources, viewshed, and/or recreational use(s) in the Hudson to Atlantic City area.  |
| WY_LFO_NSO_NTMC7002         | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting Congressionally Designated Trails and their settings.  |
| WY_LFO_NSO_OPR4088          | NSO (1) Within 200 feet of occupied pygmy rabbit habitat, as mapped in the Lander Field Office GIS database; (2) protecting pygmy rabbit habitat.  |

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| WY_LFO_NSO_PSW4031    | NSO (1) Within 500 feet of perennial surface waters, riparian-wetland areas, and/or playas, as mapped on the Lander Field Office GIS database; (2) protecting perennial surface waters, riparian-wetland areas, and/or playas outside of Designated Development Areas.  |
| WY_LFO_NSO_PSWDDA4031 | NSO (1) Within 500 feet of perennial surface waters, riparian-wetland areas, and/or playas, as mapped on the Lander Field Office GIS database; (2) protecting perennial surface waters, riparian-wetland areas, and/or playas within Designated Development Areas.  |
| WY_LFO_NSO_REC6086    | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting developed recreation sites.   |
| WY_LFO_NSO_SG25P1014  | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting areas containing slopes greater than 25 percent.  |
| WY_LFO_NSO_YERMO4084  | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting desert yellowhead population management areas.  |
| WY_LFO_NSO1045        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting identified sole source aquifers.  |
| WY_LFO_NSO2024        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting 100-year floodplains within the Beaver Rim Master Leasing Plan analysis area.   |
| WY_LFO_NSO2031        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting resources within 0.25-mile of National Register of Historic Places-eligible Native America cultural resource sites.   |
| WY_LFO_NSO4070        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting wildlife parturition areas and viewshed south of Green Mountain.  |
| WY_LFO_NSO5024        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting the Cedar Ridge Traditional Cultural Property.  |
| WY_LFO_NSO5050        | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting Sacred, Spiritual, and Traditional Cultural Properties.   |
| WY_LFO_TLS_BGCW4061   | TLS (1) Nov 15 to Apr 30; (2) as mapped on the Lander Field Office database; (3) protecting big game crucial winter range.  |
| WY_LFO_TLS_BGCWP4061  | TLS (1) May 1 to Jun 30; (2) as mapped on the Lander Field Office database; (3) protecting big game parturition areas.  |
| WY_LFO_TLS_EWR4062    | TLS (1) Nov 15 to Apr 30; (2) as mapped on the Lander Field Office GIS database; (3) protecting elk winter range.   |
| WY_LFO_TLS_FFS4053    | TLS (1) Sep 15 to Nov 30; (2) as mapped on the Lander Field Office GIS database; (3) protecting fall spawning habitat within the identified bankfull channel width of fish-bearing streams.   |
| WY_LFO_TLS_FSS4053    | TLS (1) Mar 15 to Jul 31; (2) as mapped on the Lander Field Office GIS database; (3) protecting spring spawning habitat within the identified bankfull channel width of fish-bearing streams.   |
| WY_LFO_TLS_MPN4094    | TLS (1) Apr 10 to Jul 10; (2) within 0.25-mile of identified mountain plover habitat, as mapped on the Lander Field Office GIS database, (3) protecting mountain plover nesting habitat.  |
| WY_LFO_TLS_PHMAWCA    | TLS (1) Dec 1 to Mar 14; (2) as mapped on the Lander Field Office GIS database; (3) seasonally protecting Greater Sage-Grouse winter concentration areas.   |
| WY_LFO_TLS_RN4071     | TLS (1) Within 1 mile of bald eagle and ferruginous hawk nests and 0.75-mile of all other active raptor nests during the following time periods, Apr 1 to Aug 31 for northern goshawk, Apr 1 to Sep 15 for burrowing owl, Feb 1 to Aug 15 for bald and/or golden eagles, and Feb 1 to Jul 31 for all other raptors; (2) as mapped on the Lander Field Office GIS database; (3) protecting active raptor nests.  |
| WY_NFO_CSU_PHMAC      | CSU (1) Surface occupancy or use will be restricted. The cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the Disturbance Density Calculation Tool (DDCT) area, as described in the DDCT manual; (2) as mapped on the Newcastle Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Connectivity only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Connectivity only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs (Connectivity only) or surface disturbance created by other land users. The |

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|                   | BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases.  |
| WY_NFO_TLS_PHMAC  | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Newcastle Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside Priority Habitat Management Areas (Connectivity only), within 4 miles of an occupied lek.   |
| WY_SW_CSU_PHMA    | CSU (1) Surface occupancy or use will be restricted to no more than an average of one disturbance location per 640 acres using the Disturbance Density Calculation Tool (DDCT), and the cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the DDCT area, as described in the DDCT manual; (2) as mapped on the applicable Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Core only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Core only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs (Core only) or surface disturbance created by other land users. The BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases. |
| WY_SW_NSO_GHMAL   | NSO (1) As mapped on the applicable Field Office GIS database; (2) to protect occupied Greater Sage-Grouse leks and associated seasonal habitat, life-history, or behavioral needs of Greater Sage-Grouse in proximity to leks from habitat fragmentation and loss, and protect Greater Sage-Grouse populations from disturbance within a 0.25-mile radius of the perimeter of occupied Greater Sage-Grouse leks outside designated Priority Habitat Management Areas (Core and Connectivity).  |
| WY_SW_NSO_PHMAL   | NSO (1) As mapped on the applicable Field Office GIS database; (2) to protect occupied Greater Sage-Grouse leks and associated seasonal habitat, life-history, or behavioral needs of Greater Sage-Grouse in proximity to leks from habitat fragmentation and loss, and protect Greater Sage-Grouse populations from disturbance within a 0.6-mile radius of the perimeter of occupied Greater Sage-Grouse leks inside designated Priority Habitat Management Areas (Core and Connectivity).  |
| WY_SW_TLS_GHMAL   | TLS (1) Mar 15 to Jun 30; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats outside designated Priority Habitat Management Areas (Core and Connectivity), within 2 miles of an occupied lek.   |
| WY_SW_TLS_PHMAL   | TLS (1) Mar 15 to Jun 30; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside designated Priority Habitat Management Areas (Core only).  |
| WY_SW_TLS_PHMAWCA | TLS (1) Dec 1 to Mar 14; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse winter concentration areas in designated Priority Habitat Management Areas (Core only), and outside designated PHMAs (Core only) when supporting wintering Greater Sage-Grouse that attend leks within designated PHMAs (Core only).   |

### Lease Notices and Stipulations

#### Lease Notice No. 1 – Reasonable Measures to Minimize Adverse Impacts to Resources (applies to all parcels)

Under Regulation 43 CFR 3101.1-2 and terms of the lease (BLM Form 3100-11), the authorized officer may require reasonable measures to minimize adverse impacts to other resource values, land uses, and users not addressed in lease stipulations at the time operations are proposed. Such reasonable measures may include, but are not limited to, modification of siting or design of facilities, timing of operations, and specification of interim and final reclamation measures, which may require relocating proposed operations up to 200 meters, but not off the leasehold, and prohibiting surface disturbance activities for up to 60 days.

The lands within this lease may include areas not specifically addressed by lease stipulations that may contain special values, may be needed for special purposes, or may require special attention to prevent damage to surface and/or other resources. Possible special areas are identified below. Any surface use or occupancy within such special areas will be strictly controlled or, if absolutely necessary, prohibited. Appropriate modifications to imposed restrictions will be made for the maintenance and operation of producing wells.

1. Slopes in excess of 25 percent.
2. Within 500 feet of surface water and/or riparian areas.
3. Construction with frozen material or during periods when the soil material is saturated or when watershed damage is likely to occur.
4. Within 500 feet of Interstate highways and 200 feet of other existing rights-of-way (i.e., U.S. and State highways, roads, railroads, pipelines, powerlines).
5. Within 1/4 mile of occupied dwellings.
6. Material sites.

**GUIDANCE:** The intent of this notice is to inform interested parties (potential lessees, permittees, operators) that when one or more of the above conditions exist, surface disturbing activities will be prohibited unless or until the permittee or the designated representative and the surface management agency (SMA) arrive at an acceptable plan for mitigation of anticipated impacts. This negotiation will occur prior to development and become a condition for approval when authorizing the action. Specific threshold criteria (e.g., 500 feet from water) have been established based upon the best information available. However, geographical areas and time periods of concern must be delineated at the field level (i.e., "surface water and/or riparian areas" may include both intermittent and ephemeral water sources or may be limited to perennial surface water). The referenced oil and gas leases on these lands are hereby made subject to the stipulation that the exploration or drilling activities will not interfere materially with the use of the area as a materials site/free use permit. At the time operations on the above lands are commenced, notification will be made to the appropriate agency. The name of the appropriate agency may be obtained from the proper BLM Field Office.

Lease Notice No. 2 – National Historic Trails (applies to all parcels)

**BACKGROUND:** The Bureau of Land Management (BLM), by including National Historic Trails within its National Landscape Conservation System, has recognized these trails as national treasures. Our responsibility is to review our strategy for management, protection, and preservation of these trails. The National Historic Trails in Wyoming, which include the Oregon, California, Mormon Pioneer, and Pony Express Trails, as well as the Nez Perce Trail, were designated by Congress through the National Trails System Act (P.L. 90-543; 16 U.S.C. 1241-1251) as amended through P.L. 106-509 dated November 13, 2000. Protection of the National Historic Trails is normally considered under the National Historic Preservation Act (P.L. 89-665; 16 U.S.C. 470 et seq.) as amended through 1992 and the National Trails System Act. Additionally, Executive Order 13195, "Trails for America in the 21st Century," signed January 18, 2001, states in Section 1: "Federal agencies will...protect, connect, promote, and assist trails of all types throughout the United States. This will be accomplished by: (b) Protecting the trail corridors associated with national scenic trails and the high priority potential sites and segments of national historic trails to the degrees necessary to ensure that the values for which each trail was established remain intact." Therefore, the BLM will be considering all impacts and intrusions to the National Historic Trails, their associated historic landscapes, and all associated features, such as trail traces, grave sites, historic encampments, inscriptions, natural features frequently commented on by emigrants in journals, letters and diaries, or any other feature contributing to the historic significance of the trails. Additional National Historic Trails will likely be designated amending the National Trails System Act. When these amendments occur, this notice will apply to those newly designated National Historic Trails as well.

**STRATEGY:** The BLM will proceed in this objective by conducting a viewshed analysis on either side of the designated centerline of the National Historic Trails in Wyoming, except, at this time, for the Nez Perce Trail, for the purpose of identifying and evaluating potential impacts to the trails, their associated historic landscapes, and their associated historic features. Subject to the viewshed analysis and archaeological inventory, reasonable mitigation measures may be applied. These may include, but are not limited to, modification of siting or design of facilities to camouflage or otherwise hide the proposed operations within the viewshed. Additionally, specification of interim and final reclamation measures may require relocating the proposed operations within the leasehold. Surface disturbing activities will be analyzed in accordance with the National Environmental Policy Act of 1969

(P.L. 91- 190; 42 U.S.C. 4321-4347) as amended through P.L. 94-52, July 3, 1975 and P.L. 94-83, August 9, 1975, and the National Historic Preservation Act, *supra*, to determine if any design, siting, timing, or reclamation requirements are necessary. This strategy is necessary until the BLM determines that, based on the results of the completed viewshed analysis and archaeological inventory, the existing land use plans (Resource Management Plans) have to be amended. The use of this lease notice is a predecisional action, necessary until final decisions regarding surface disturbing restrictions are made. Final decisions regarding surface disturbing restrictions will take place with full public disclosure and public involvement over the next several years if BLM determines that it is necessary to amend existing land use plans.

**GUIDANCE:** The intent of this notice is to inform interested parties (potential lessees, permittees, operators) that when any oil and gas lease contains remnants of National Historic Trails, or is located within the viewshed of a National Historic Trails' designated centerline, surface disturbing activities will require the lessee, permittee, operator or, their designated representative, and the surface management agency (SMA) to arrive at an acceptable plan for mitigation of anticipated impacts. This negotiation will occur prior to development and become a condition for approval when authorizing the action.

Lease Notice No. 3 – Greater Sage-Grouse Habitat (applies to all parcels)

Greater Sage-Grouse Habitat: The lease may in part, or in total, contain important Greater sage-grouse habitats as identified by the BLM, either currently or prospectively. The operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater sage-grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to Drill (APD) on-site and environmental review process and will be consistent with the lease rights granted.

Lease Notice 1041 – Water Monitoring Plans

Lease Notice. Require water monitoring plans for new activities resulting in surface discharges of water to track changes in receiving channels and to minimize adverse impacts to watershed health. If adverse impacts to receiving channels or watershed health occur, require development and implementation of water management plans which include reclamation strategies and mitigation to address impacts. Avoid BLM-authorized activities and infrastructure such as unlined impoundment ponds/pits, reserve pits, and evaporation ponds that could result in the contamination of sensitive water resources, including Source Water Protection Areas identified in Wellhead or Source Water Protection Plans approved local governing bodies and “High” and “Moderately High” sensitivity aquifer systems identified through the use of the Wyoming Groundwater Vulnerability Assessment Handbook or similar document as updated over time to the maximum extent possible. Where such activities or infrastructure cannot be avoided, apply mitigation to reduce potential impacts on a case-by-case basis.

Special Lease Notice – Big Game Migration

Special Lease Notice: This parcel is located wholly or partially within a big game migration corridor designated by the State of Wyoming. The lessee or their designated operator will be required to work with the BLM and the State of Wyoming to take reasonable measures (see 43 CFR 3101.1-2) to maintain big game migration corridor functionality pursuant to State of Wyoming Executive Order 2020-1. The BLM will encourage the use of Master Development Plans for operations proposed on this lease parcel in accordance with Onshore Oil and Gas Order No. 1.

Special Lease Notice – Unplugged Well Bore

Unplugged wellbore(s) and/or other facilities are located on this parcel. For more information, please contact a Petroleum Engineer at the [insert office name] Field Office at (307) [insert phone number].

Lease Stipulation No. 1 – Historic Properties (applies to all parcels)

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, Executive Order 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations (e.g., State Historic Preservation Officer (SHPO) and tribal consultation) under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such

properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated

Lease Stipulation No. 2 – Endangered Species Act Section 7 Consultation Stipulation (applies to all parcels)

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. The BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. The BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation.

Lease Stipulation No. 3 – Multiple Mineral Development (applies to all parcels)

Operations will not be approved which, in the opinion of the authorized officer, would unreasonably interfere with the orderly development and/or production from a valid existing mineral lease issued prior to this one for the same lands.

## **4.2 Air Resources Appendix: Air Quality Related Values: Visibility, Hazardous Air Pollutants and Deposition**

### **4.2.1 Visibility –Wyoming**

Regional haze is visibility impairment caused by the cumulative air pollutant emissions from numerous sources over a wide geographic area. Visibility impairment is caused by particles and gases in the atmosphere that scatter, distort, or absorb light. The primary cause of regional haze in many parts of the country is light scattering resulting from fine particles (i.e., PM<sub>2.5</sub>) in the atmosphere. Additionally, coarse particles between 2.5 and 10 microns in diameter can contribute to light extinction. Coarse particles and PM<sub>2.5</sub> can be naturally occurring or the result of human activity. The natural levels of these species result in some level of visibility impairment, in the absence of any human influences and will vary with season, daily meteorology, and geography (Malm 1999).

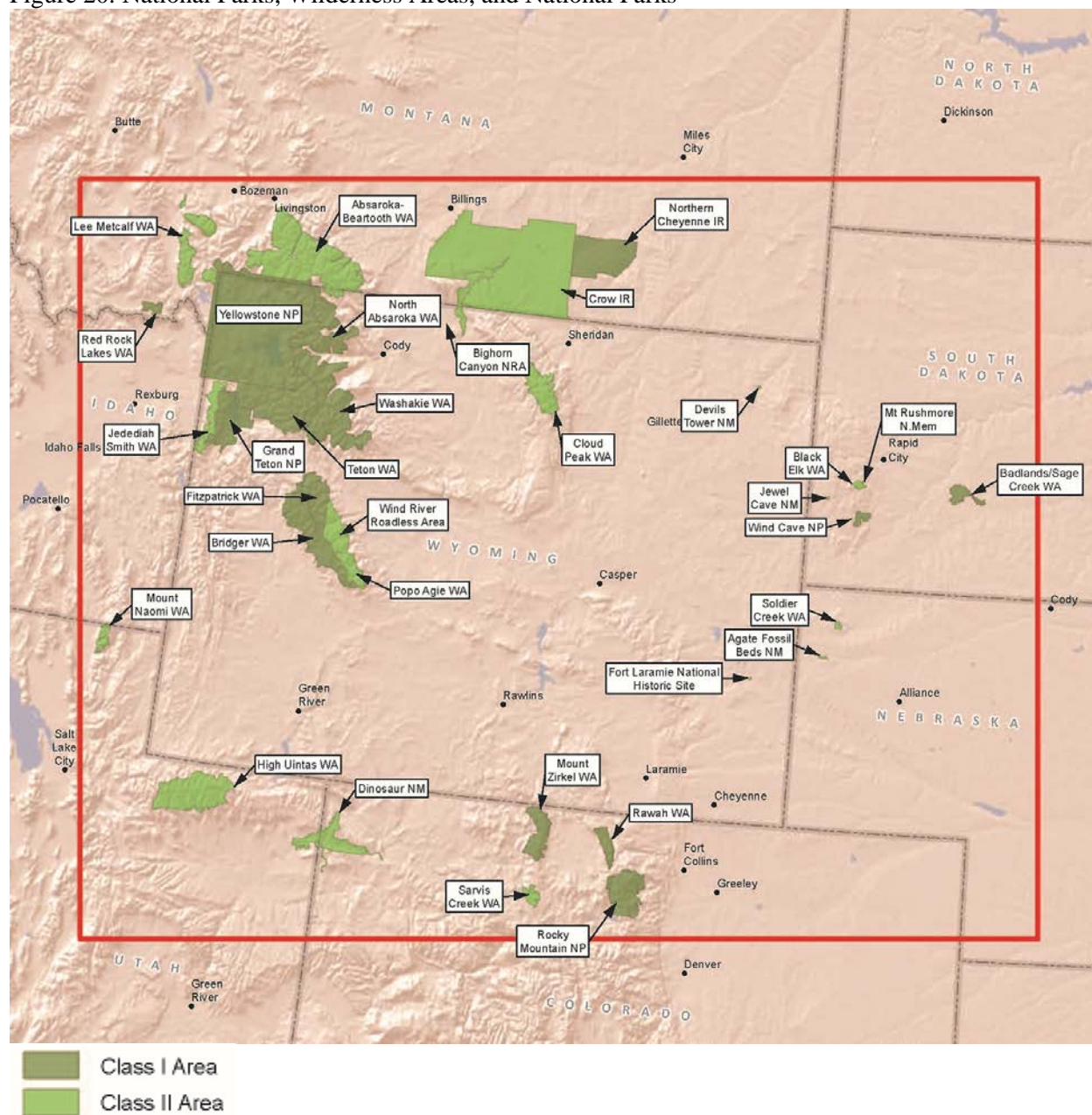
There are several National Parks, National Forests, recreation areas, and wilderness areas within and surrounding the state of Wyoming. National Parks, National Monuments, and some state designated Wilderness Areas are designated as Class I (see figure, below). The Clean Air Act “declares as a national goal the prevention of any future, and the remedying of any existing, impairment of visibility in mandatory Class I Federal areas... from manmade air pollution.” 42 U.S.C. 7491(a)(1). Under BLM Manual Section 8560.36, BLM-administered lands, including wilderness areas not designated as Class I, are managed as Class II, which provides that moderate deterioration of air quality associated with industrial and population growth may occur.

The Interagency Monitoring of Protected Visual Environments (IMPROVE) program was initiated in 1985. This program implemented an extensive long term monitoring program to establish the current visibility conditions, track changes in visibility and determine causal mechanism for the visibility impairment in the National Parks and Wilderness Areas. Observations over time have shown that visibility is not as good as it could be compared to natural background conditions (i.e., visibility is impaired relative to natural background conditions). In 1999, the EPA issued a Regional Haze Rule to protect visibility in over 150 national parks and wilderness areas. The Regional Haze Rule requires states to establish Reasonable Progress Goals for improving visibility, with the overall goal of attaining natural background visibility conditions by 2064.

The Clean Air Act includes “as a National Goal the prevention of any future, and the remedying of any existing, impairment of visibility in mandatory Class I federal areas in which impairment results from manmade air pollution.” The CAA gives federal managers the affirmative responsibility, but no regulatory authority, to protect air quality-related values, including visibility, from degradation. A wide variety of pollutants can impact visibility, including PM, NO<sub>2</sub>, NO<sub>3</sub>, and SO<sub>4</sub>. Fine particles suspended in the atmosphere decrease visibility by blocking, reflecting, or absorbing light. Regional haze occurs when pollutants from widespread emission sources become mixed in the atmosphere and travel long distances.



Figure 20: National Parks, Wilderness Areas, and National Parks



Visibility is expressed as deciviews (dv), which is a measure for describing perceived changes in visibility. Deciview values are calculated from either measured or estimated light extinction values in units of inverse megameters ( $Mm^{-1}$ ). A dv value of zero indicates a pristine atmosphere.

The figures below display annual average visibility in deciviews for the 20 percent best days, 20 percent worst days, and all days for each year during the late 20<sup>th</sup> and early 21<sup>st</sup> Century for the following IMPROVE sites: Bridger Wilderness, Boulder Lake, North Absaroka, Thunder Basin, Wind Cave, and Cloud Peak. Note: the 2017 IMPROVE data was not available, and the monitoring at Cloud Peak stopped in 2014. Generally, the IMPROVE data show a slow increase in visibility on the “Clearest Days” and a near-neutral trend in visibility for the “Haziest Days.”

Figure 21: Annual Average Visibility (deciviews) for the Bridger Wilderness IMPROVE Site (1989-2016).

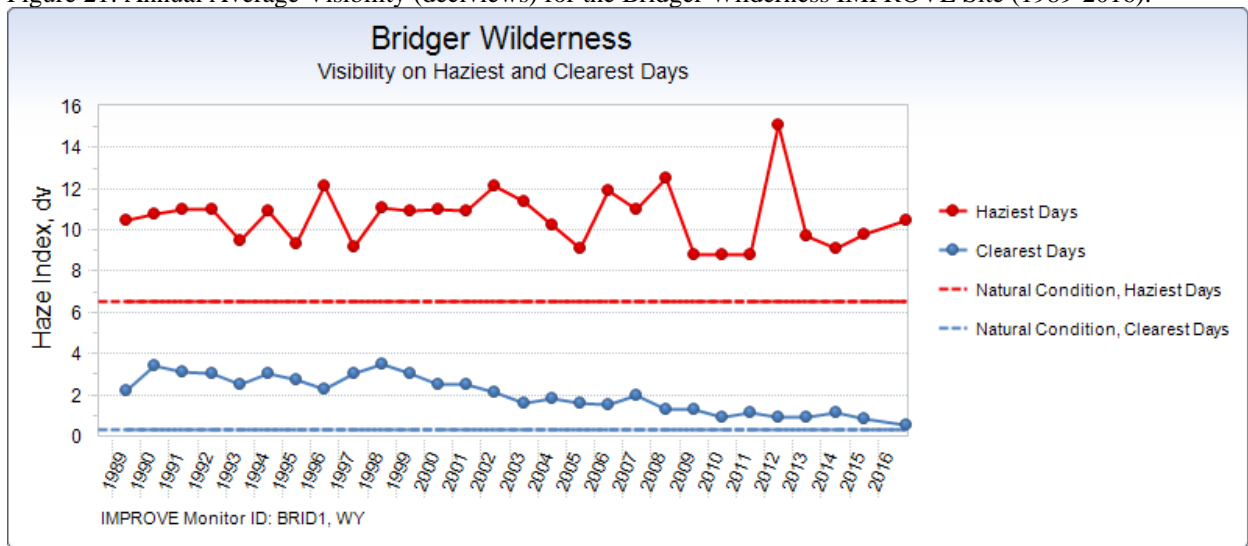


Figure 22: Annual Average Visibility (deciviews) for the Boulder Lake IMPROVE Site (2010-2016).

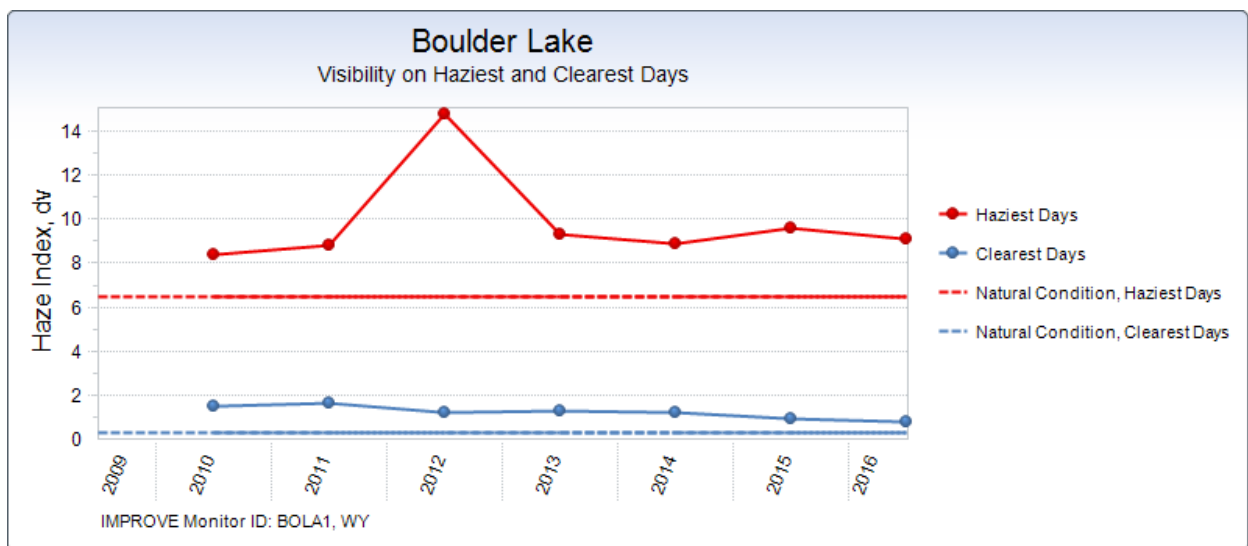


Figure 23: Annual Average Visibility (deciviews) for the North Absaroka IMPROVE Site (2002-2016).

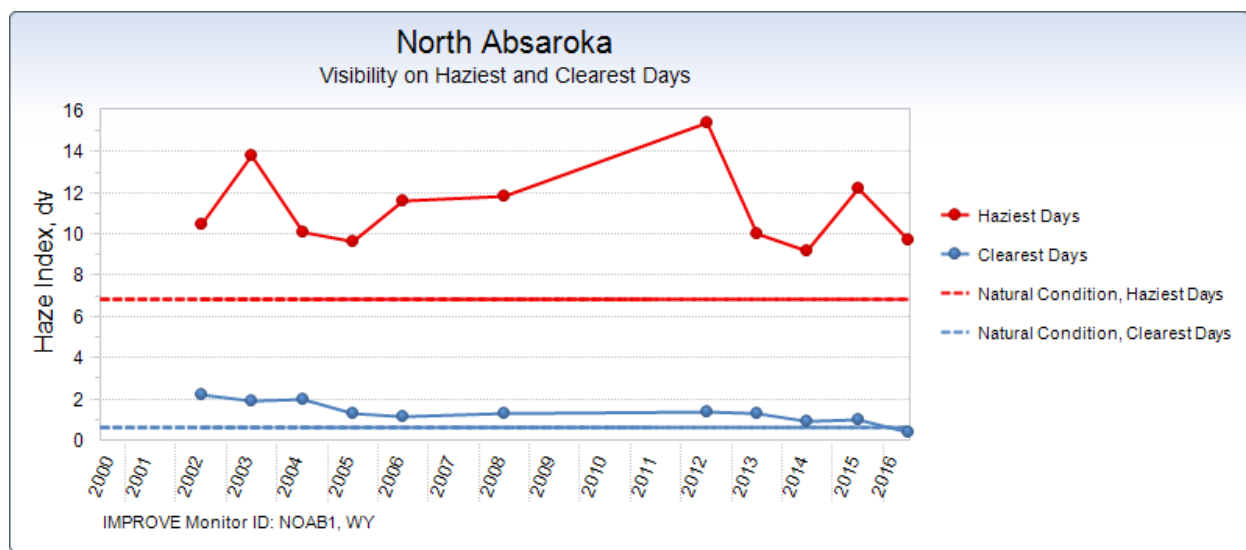


Figure 24: Annual Average Visibility (deciviews) for the Thunder Basin IMPROVE Site (2004, 2005, 2012-2016).

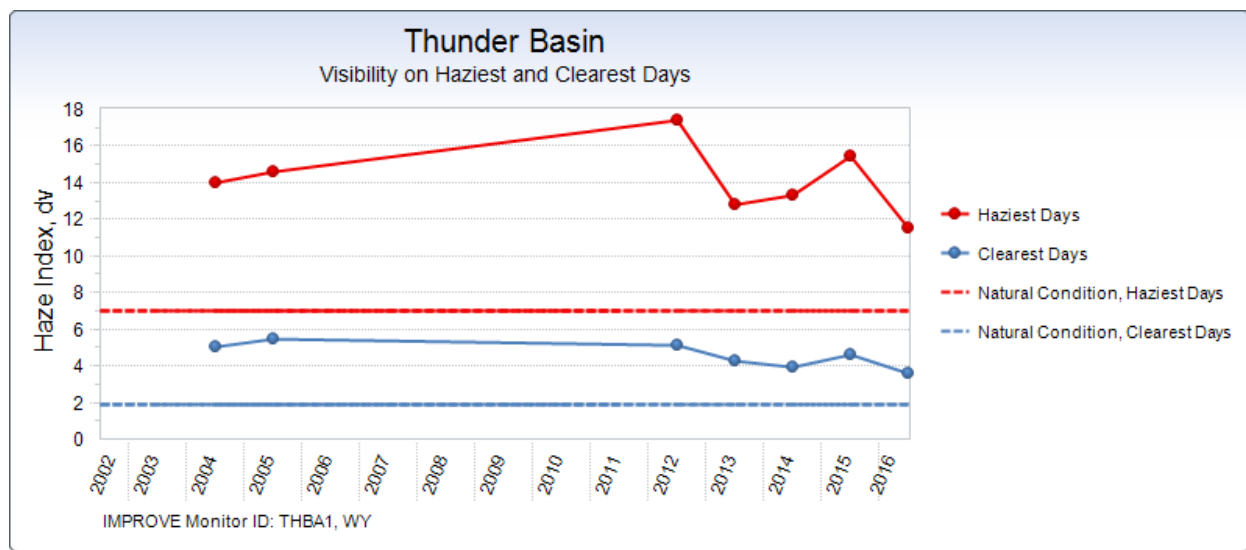


Figure 25: Annual Average Visibility (deciviews) for the Wind Cave, SD IMPROVE Site (1999-2016).

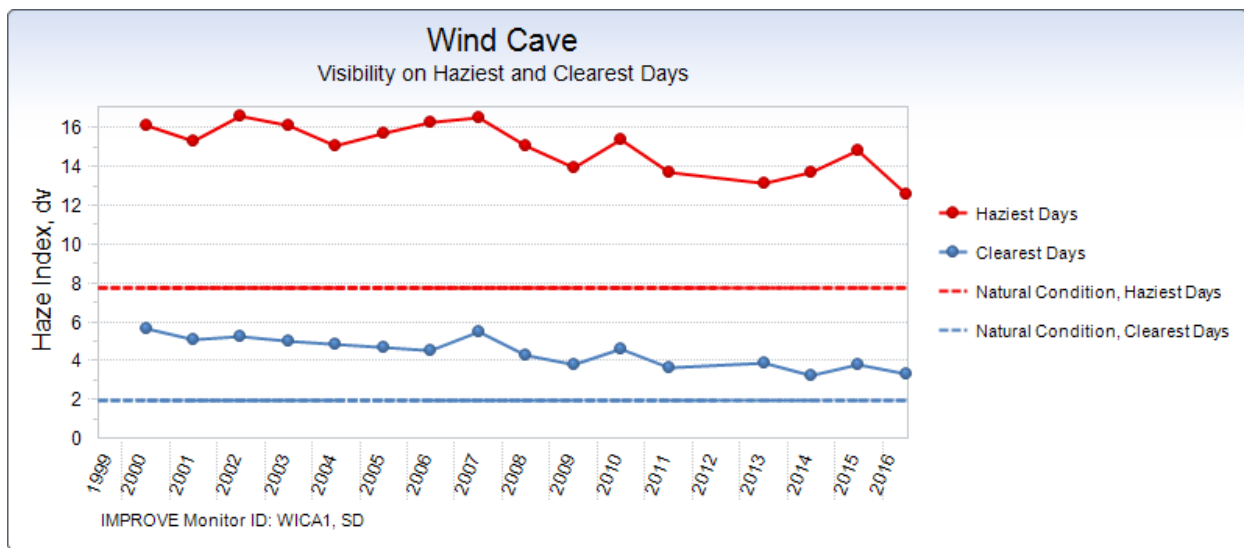
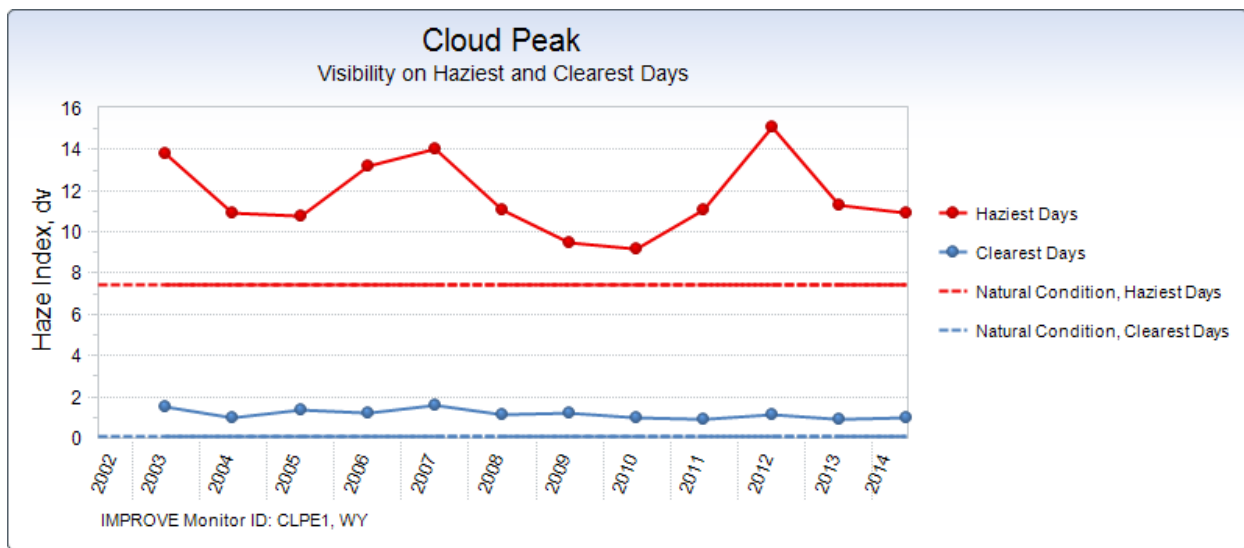


Figure 26: Annual Average Visibility (deciviews) for the Cloud Peak IMPROVE Site (2003-2014).



Source: Federal Land Manager Environmental Database 2018

(<http://views.cira.colostate.edu/fed/AqrvMenu.aspx>), accessed on 5/8/2018.

IMPROVE background reference: <http://vista.cira.colostate.edu/Improve/improve-program/>

#### 4.2.2 Hazardous Air Pollutants (HAPs)-High Desert District

Many VOCs are HAPs, and are associated with human-made sources. The 2008 and 2011 National Emission Inventories and later WDEQ emissions inventories, indicate that VOC emissions within the region are primarily from area sources associated with oil and gas development activities. Therefore, HAP concentrations are expected to be greatest near oil and gas development sources and are a potential air quality concern for the region.

HAPs are not routinely monitored within the State of WY except where VOC production is a concern due to non-attainment. Because of the ongoing air quality concerns in the HDD, WDEQ conducted HAP monitoring for several sites in the HDD from February 2009 until March 2010. Table 30 summarizes observed HAP concentrations for the

Boulder, Daniel South, and Pinedale monitoring sites. Measurements were taken every six days and the values represent averages for the entire monitoring period.

Table 30: Example HAP Concentrations (micrograms per cubic meter) for Sublette County, Wyoming

| Site Name    | Annual Average HAP Concentration ( $\mu\text{g}/\text{m}^3$ ) |                      |                     |               |                |               |
|--------------|---|----------------------|---------------------|---------------|----------------|---------------|
|              | <i>Benzene</i>  | <i>Ethyl-benzene</i> | <i>Formaldehyde</i> | <i>Hexane</i> | <i>Toluene</i> | <i>Xylene</i> |
| Boulder      | 2.12  | 0.77                 | 0.99                | 1.29          | 6.42           | 4.46          |
| Daniel South | 1.25  | 0.52                 | 1.37                | 0.81          | 4.30           | 2.76          |
| Pinedale     | 2.13  | 1.00                 | 1.59                | 1.47          | 6.50           | 6.38          |

Source: ARS 2010

$\mu\text{g}/\text{m}^3$  micrograms per cubic meter

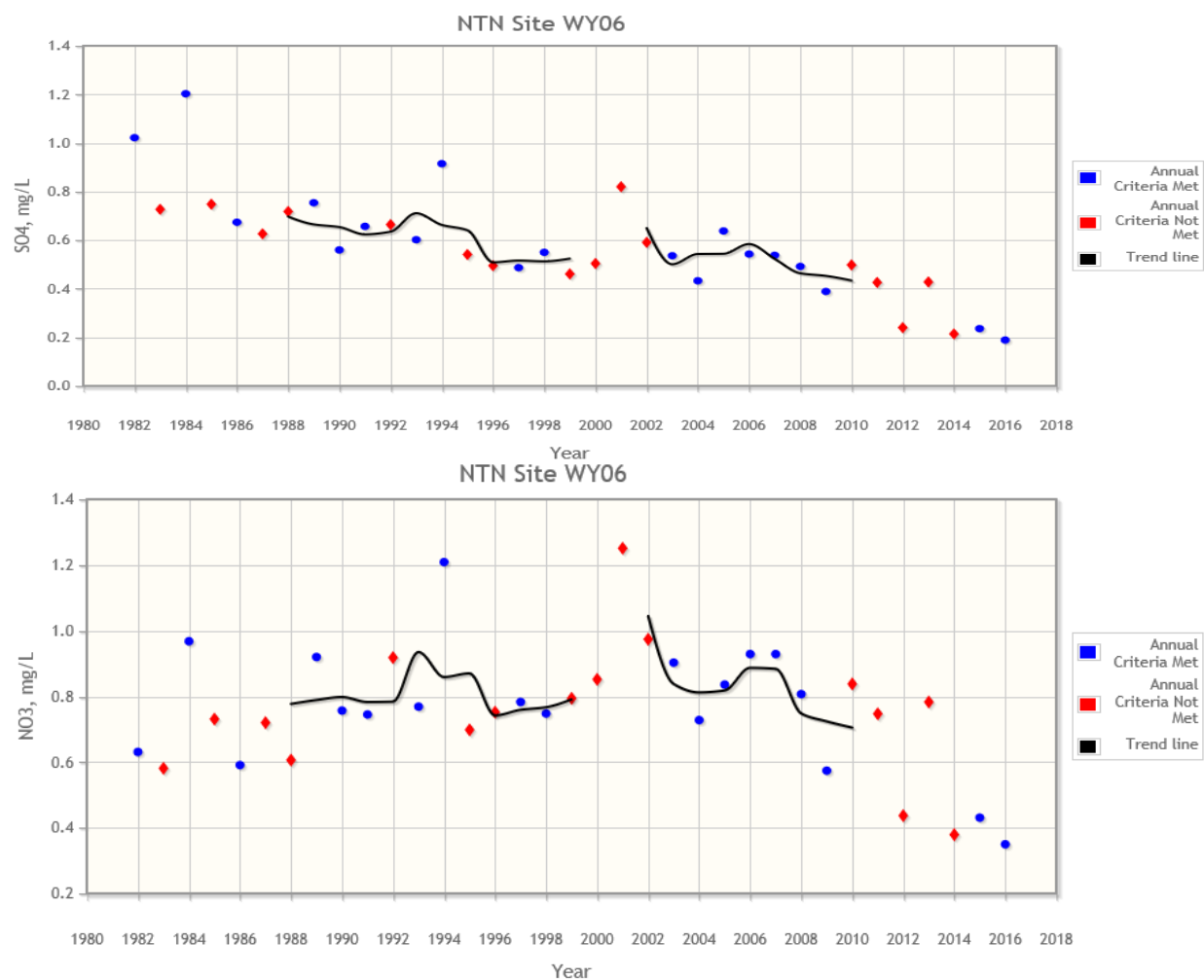
#### 4.2.3 Deposition and Lake Chemistry – Wyoming

Sulfur and nitrogen compounds that can be deposited on terrestrial and aquatic ecosystems include nitric acid ( $\text{HNO}_3$ ), nitrate ( $\text{NO}_3^-$ ), ammonium ( $\text{NH}_4^+$ ), and sulfate ( $\text{SO}_4^{--}$ ). Nitric acid ( $\text{HNO}_3$ ) and nitrate ( $\text{NO}_3^-$ ) are not emitted directly into the air, but form in the atmosphere from industrial and automotive emissions of nitrogen oxides ( $\text{NO}_x$ ); and sulfate ( $\text{SO}_4^{--}$ ) is formed in the atmosphere from industrial emission of sulfur dioxide ( $\text{SO}_2$ ). Deposition of  $\text{HNO}_3$ ,  $\text{NO}_3^-$  and  $\text{SO}_4^{--}$  can adversely affect plant growth, soil chemistry, lichens, aquatic environments, and petroglyphs (ancient carvings and/or engravings on rock surfaces). Ammonium ( $\text{NH}_4^+$ ) is volatilized from animal feedlots and from soils following fertilization of crops.

Wet atmospheric deposition is measured at National Atmospheric Deposition Program (NADP) sites: Pinedale, Sink's Canyon, South Pass, Newcastle, and Wind Cave. Dry deposition is measured at three Clean Air Status and Trends Network (CASTNET) sites in Pinedale (Sublette County), Newcastle (Weston County), and Basin (Big Horn County). Wet deposition is characterized by the concentration of nitrate ion ( $\text{NO}_3^-$ ), sulfate ion ( $\text{SO}_4^-$ ), and ammonium ( $\text{NH}_4^+$ ) ions in precipitation samples. The figures below display annual average concentration data for nitrate, sulfate, and ammonium ions from precipitation samples for each year during the period from the late 20<sup>th</sup> to early 21<sup>st</sup> Century Wyoming and South Dakota NADP sites. For each year, the data represent the average concentration based on all sampling periods. Units are milligrams per liter (mg/L). The data indicate a decrease in sulfate and nitrate ions for all NADP sites in precipitation samples. However, concentrations for the ammonium ion are either steady or slowly increasing at sites.

The figures below display annual average concentration data for Sulfur Dioxide, Particulate Sulfate, Particulate Nitric Acid, Total Nitrate, and Particulate Ammonium for the three Wyoming CASTNET sites. The concentration measurements are used to estimate dry deposition. For each year, the data represent the average concentration based on all sampling periods. Units are  $\mu\text{g}/\text{m}^3$ . The concentration data indicate a decrease for all pollutant species at Pinedale and Newcastle. However, the Basin concentrations increase from 2016 to 2017.

Figure 27: Annual Average Concentration in Wet Deposition (milligrams per liter) for NADP Monitoring Site at Pinedale



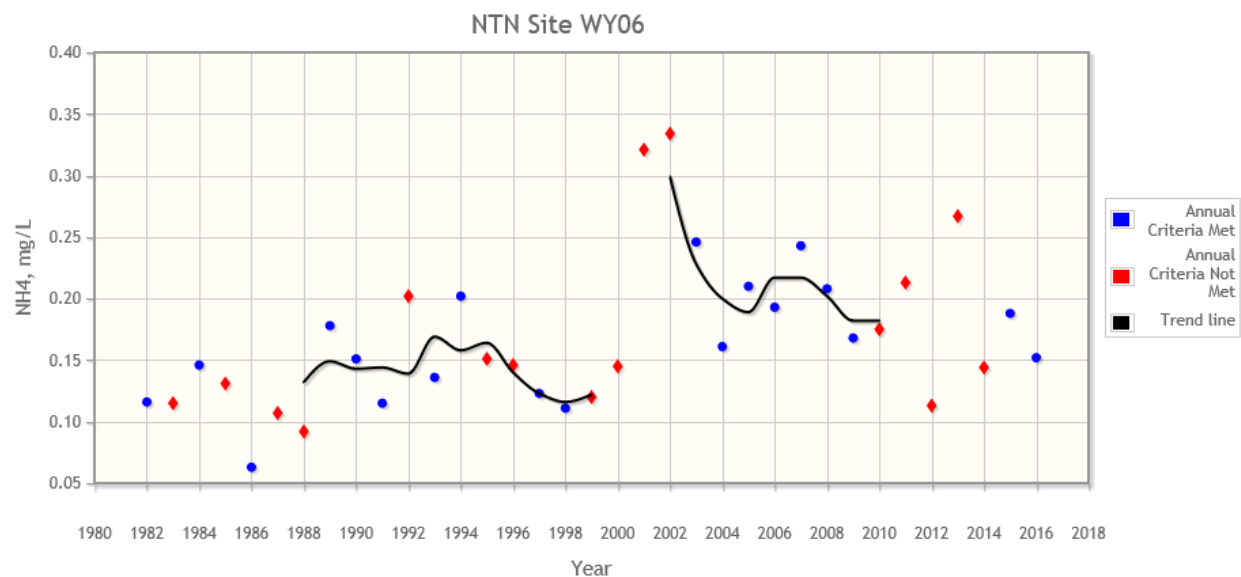
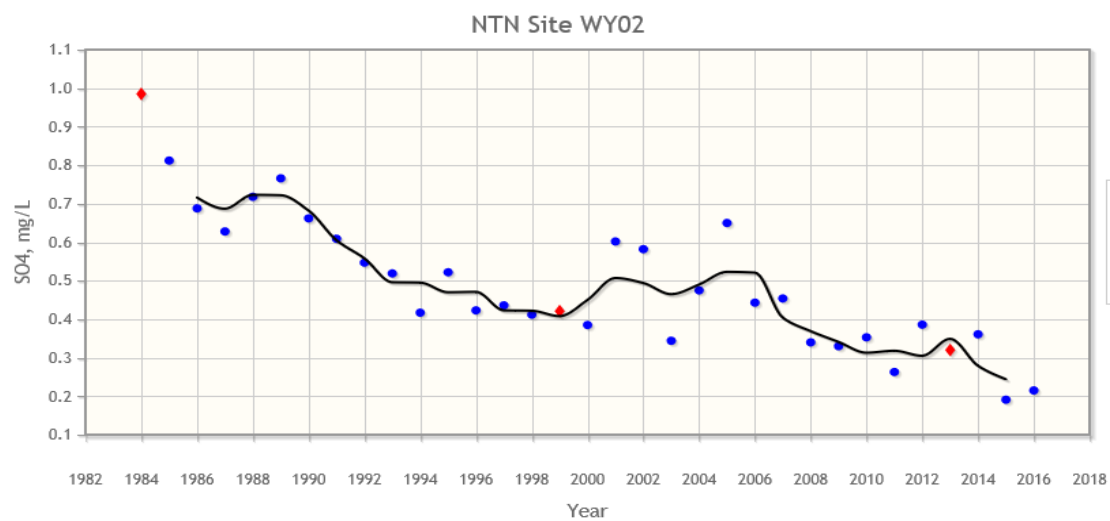


Figure 28: Annual Average Concentration in Wet Deposition (milligrams per liter) for NADP Monitoring Site at Sink's Canyon.



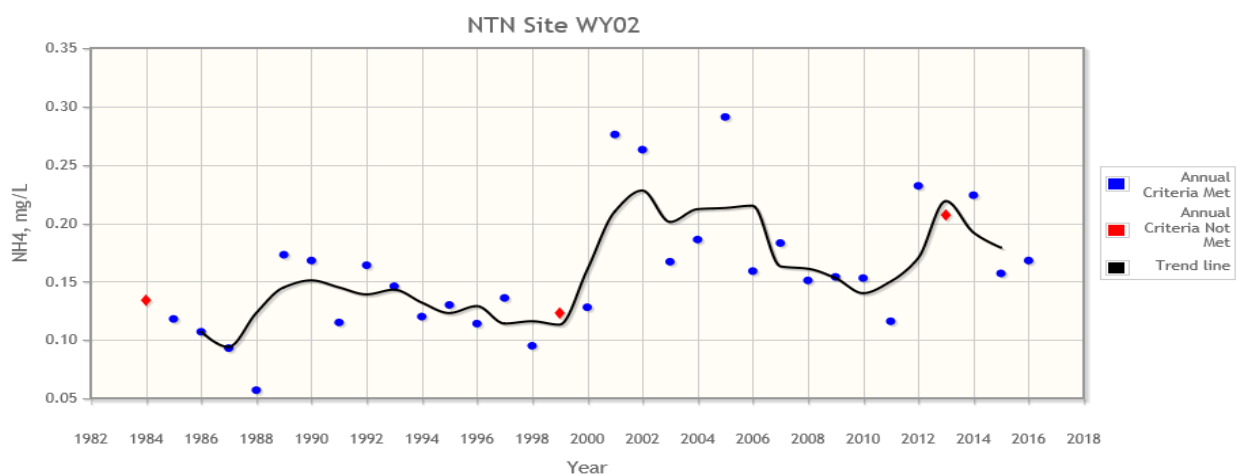
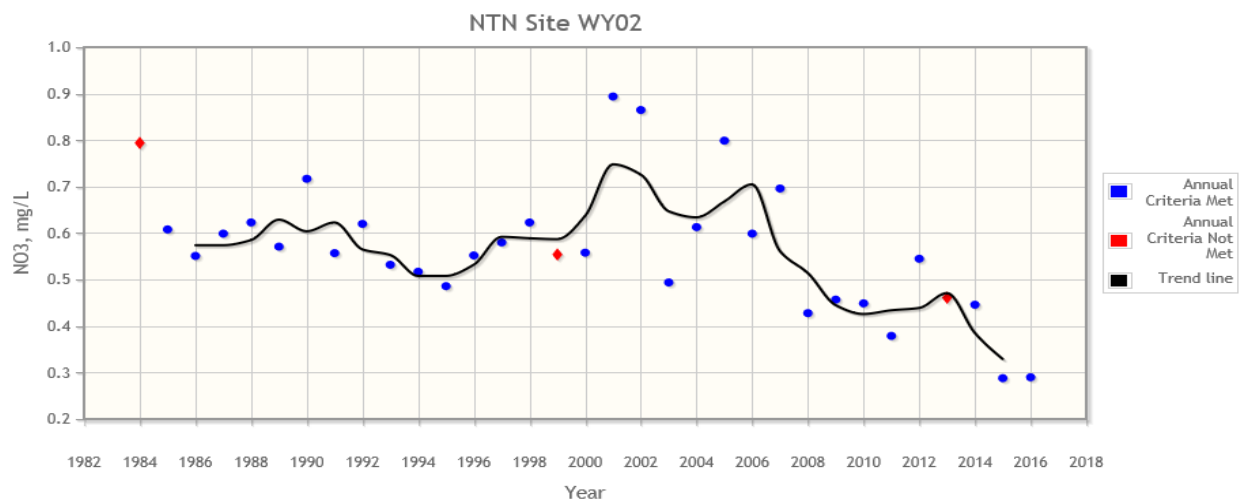
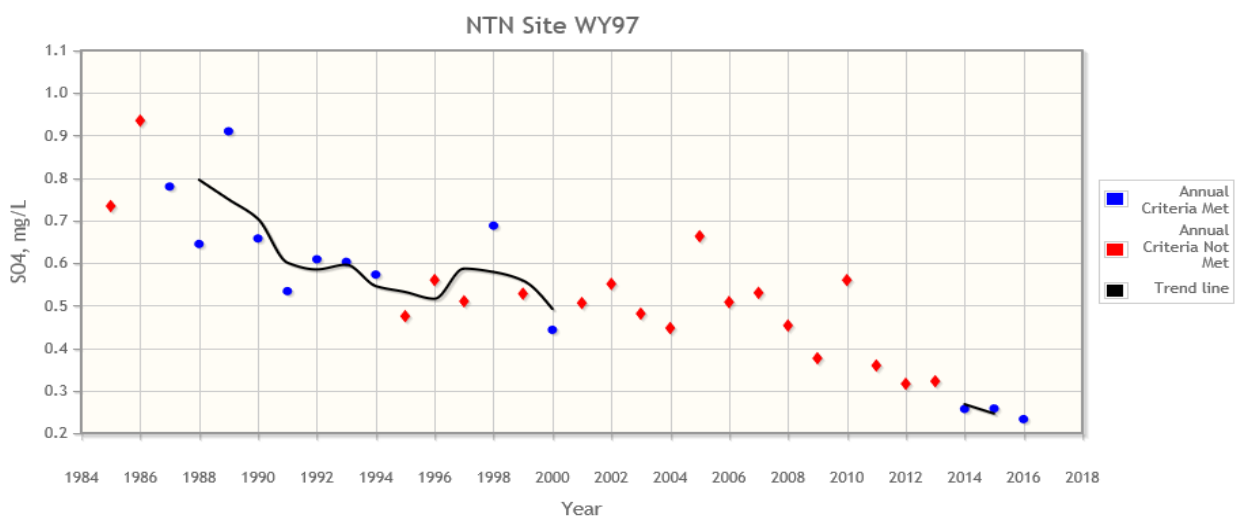


Figure 29: Annual Average Concentration in Wet Deposition (milligrams per liter) for NADP Monitoring Site at South Pass.





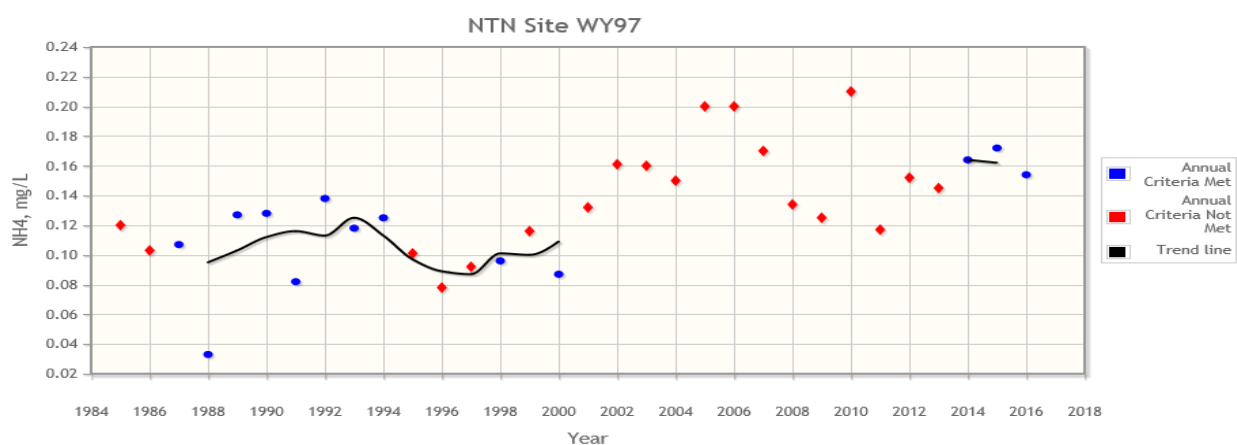
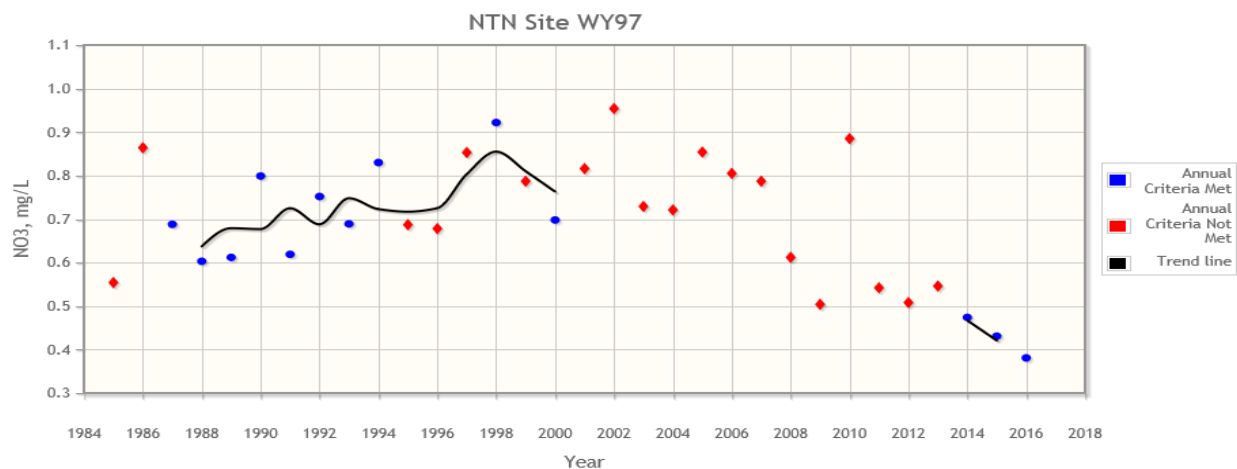
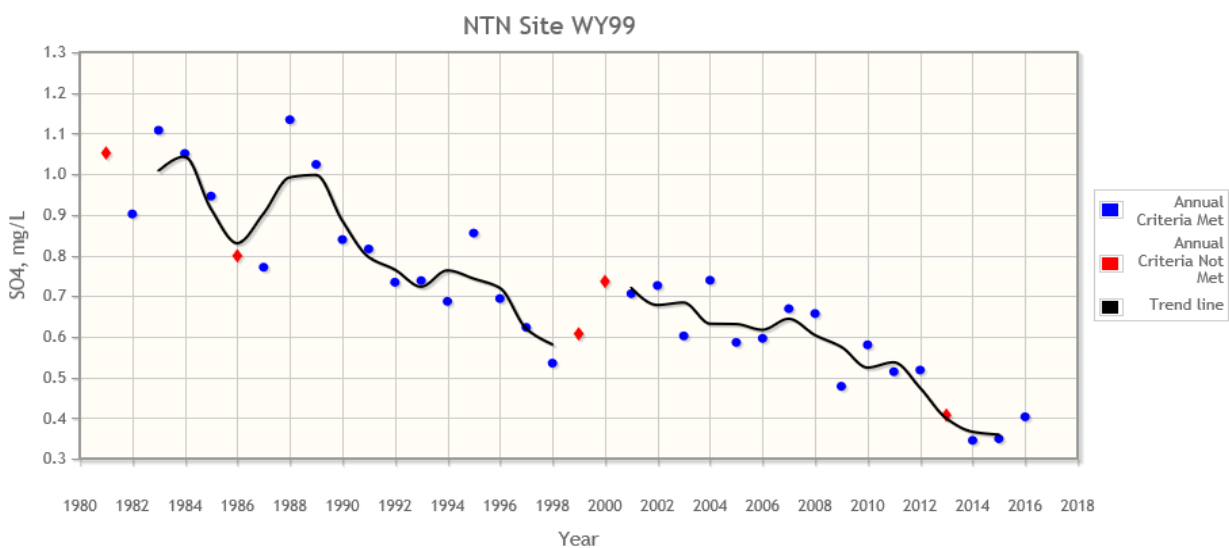


Figure 30: Annual Average Concentration in Wet Deposition (milligrams per liter) for NADP Monitoring Site at Newcastle.



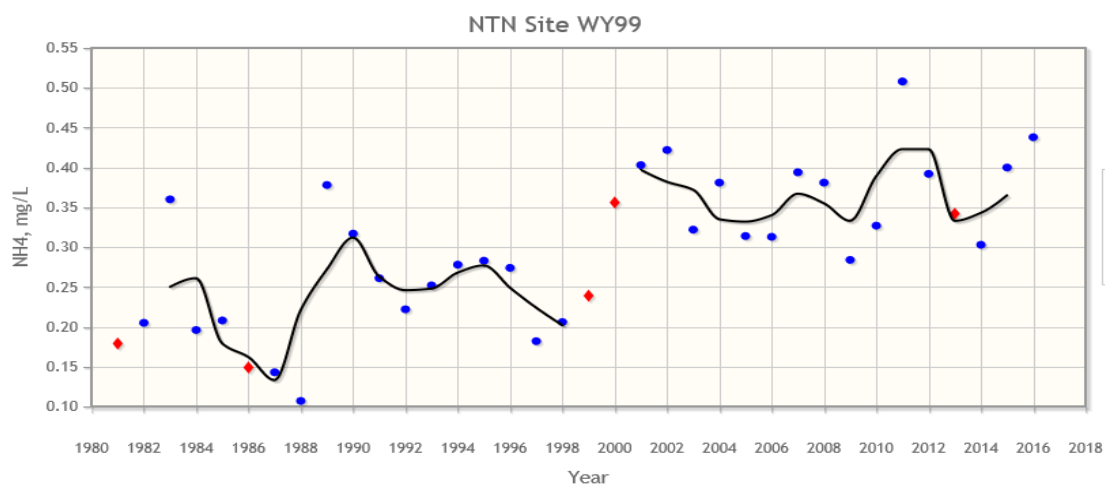
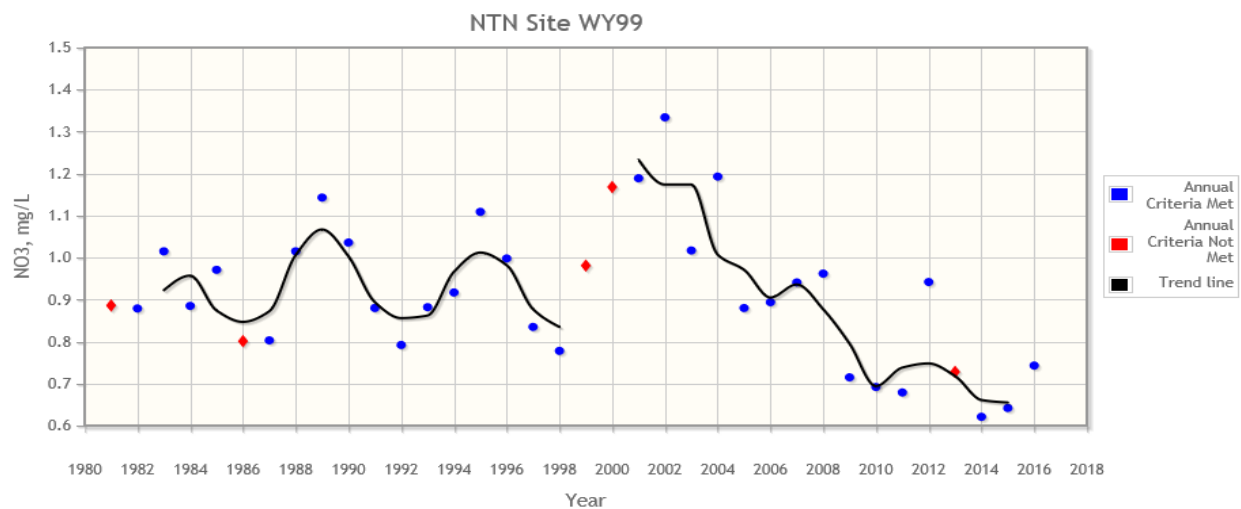
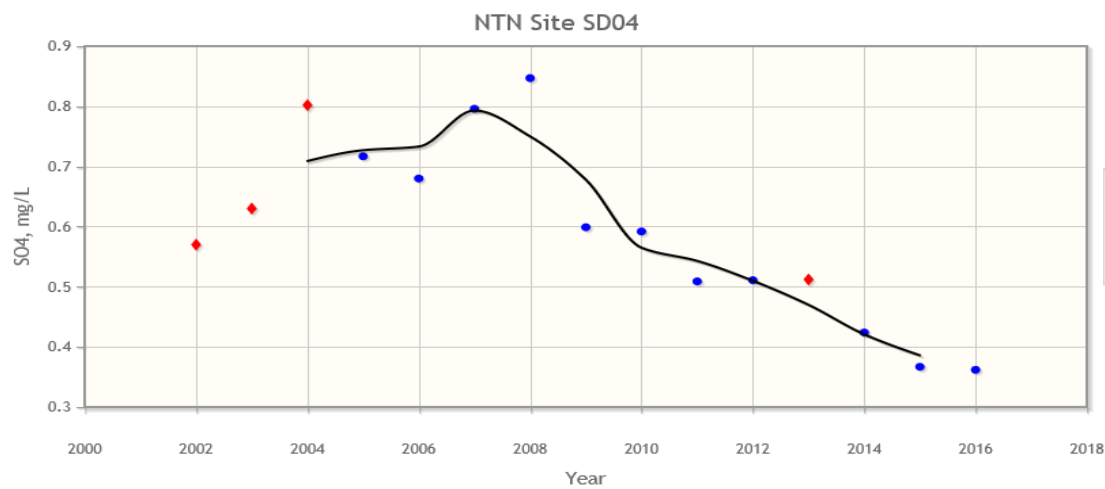
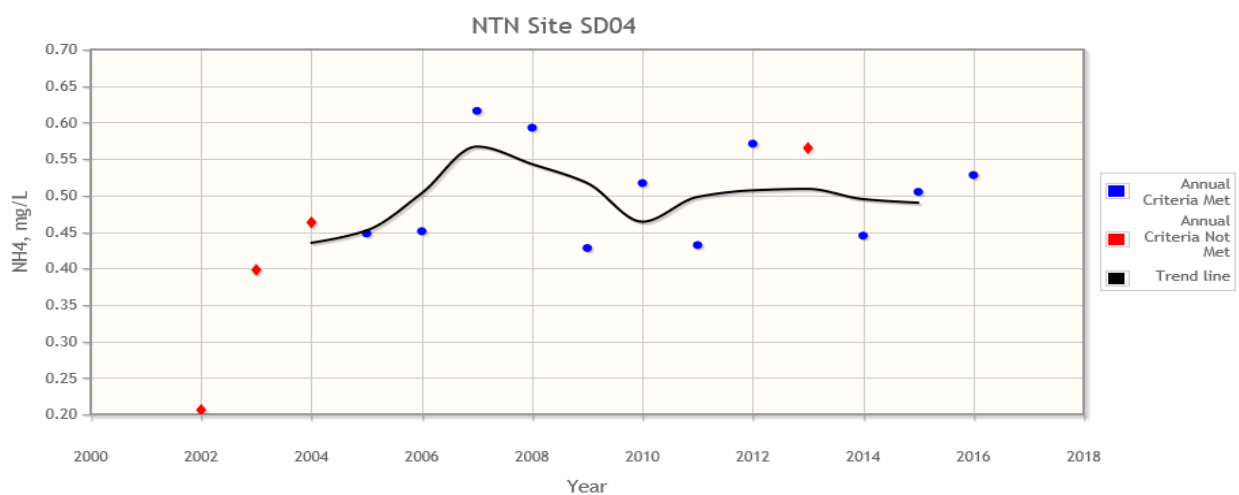
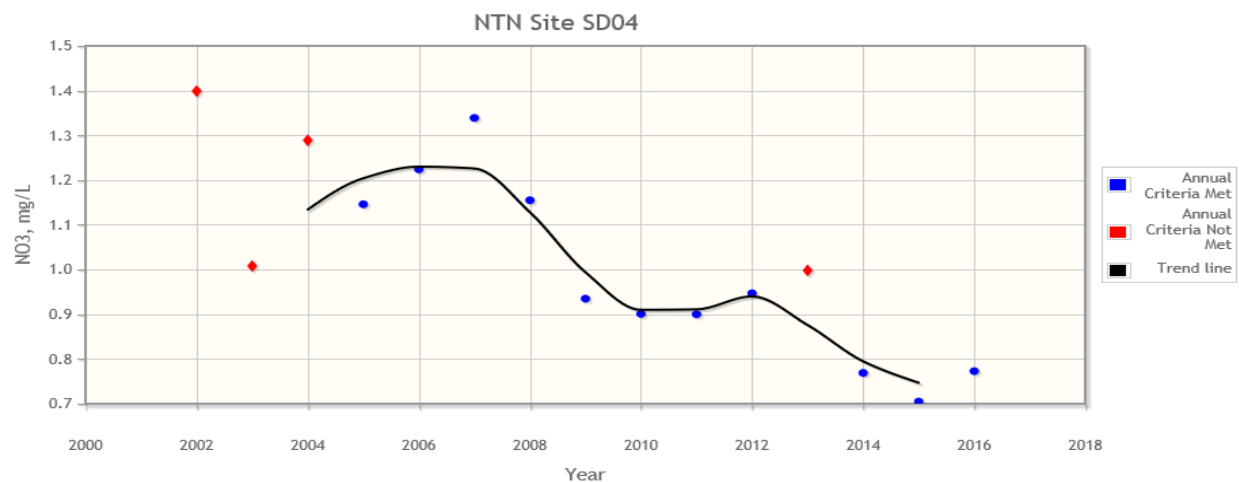


Figure 31: Annual Average Concentration in Wet Deposition (milligrams per liter) for NADP Monitoring Site at Wind Cave, SD.





Source: <http://nadp.slh.wisc.edu/>

Figure 32: Annual Average Concentration in Dry Deposition (micrograms per cubic meter) for the CASTNET Monitoring Site at Pinedale.

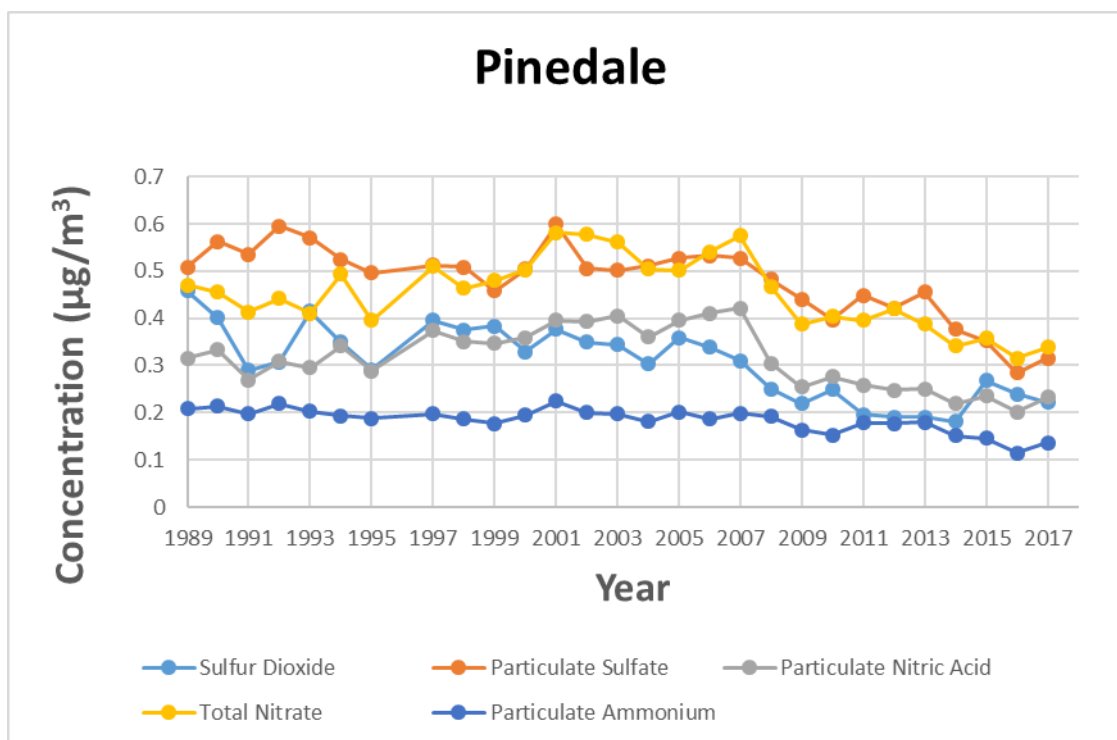


Figure 33: Annual Average Concentration in Dry Deposition (micrograms per cubic meter) for the CASTNET Monitoring Site at Newcastle.

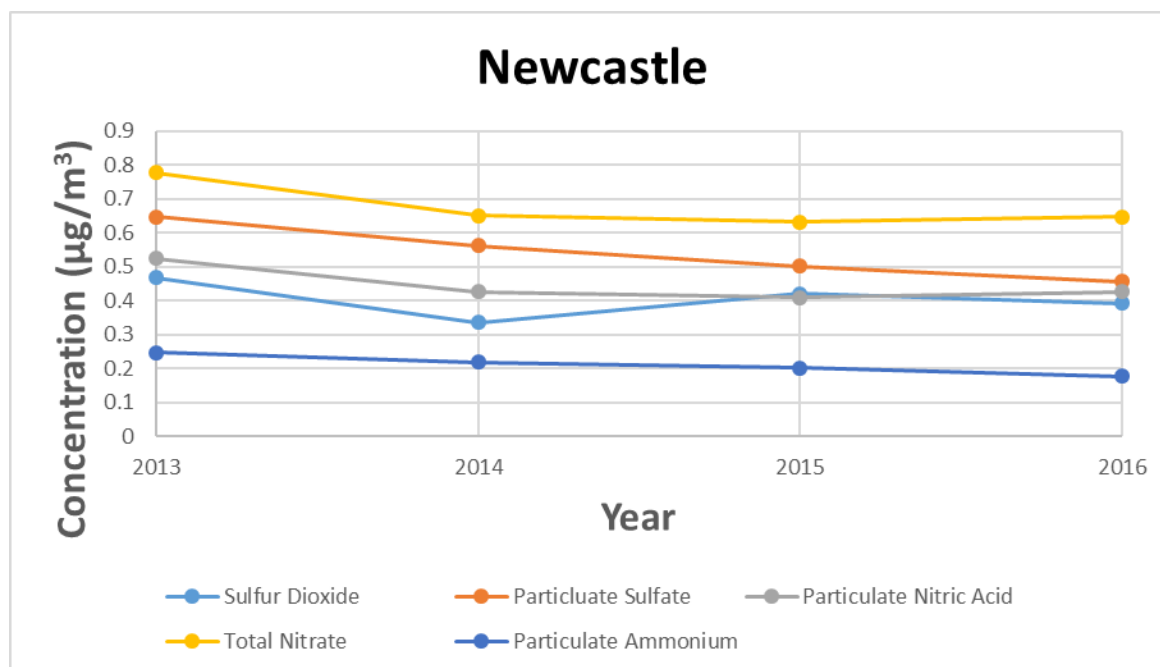
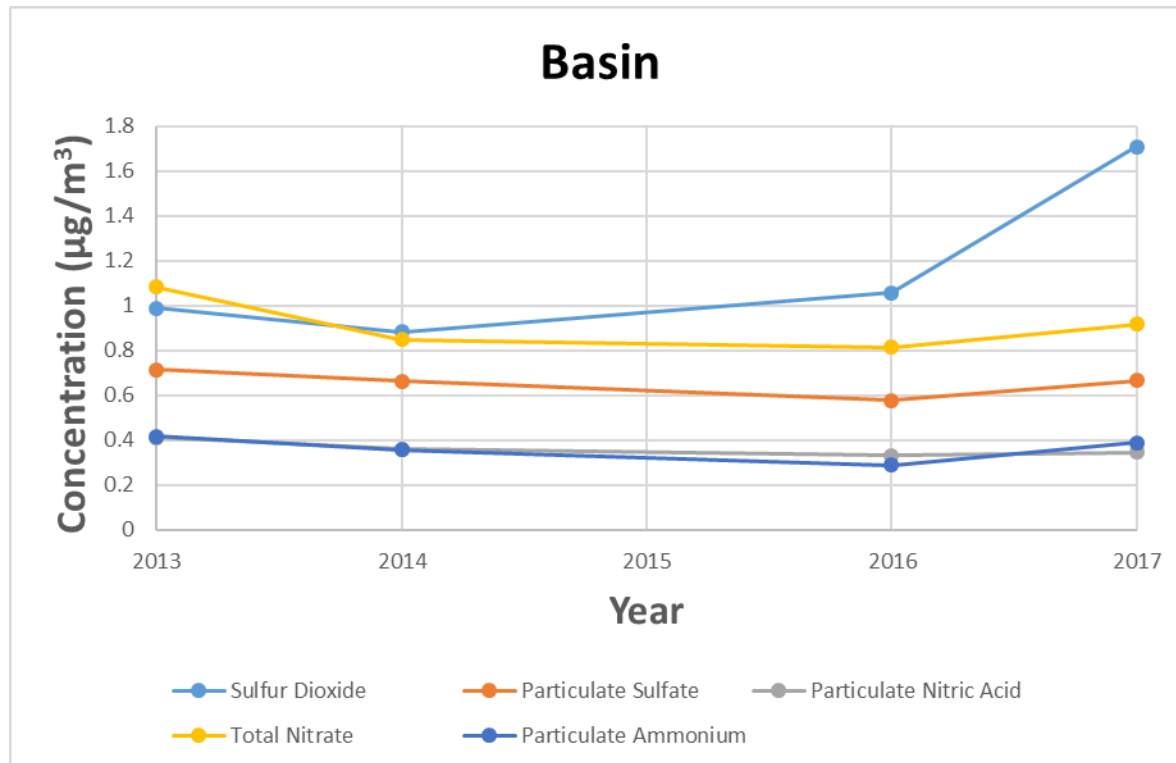


Figure 34: Annual Average Concentration in Dry Deposition (micrograms per cubic meter) for the CASTNET Monitoring Site at Basin.



Source: <http://nadp.slh.wisc.edu/>

Seven lakes have been identified as being acid sensitive. Applicable thresholds for the assessment of changes in acid neutralizing capacity (ANC) of sensitive lakes include: 10 percent change in ANC for lakes with background ANC values greater than 25 micro equivalents per liter [ $\mu\text{eq}/\text{L}$ ], and less than a 1  $\mu\text{eq}/\text{L}$  change in ANC for lakes with background ANC values equal to or less than 25  $\mu\text{eq}/\text{L}$ .

Available ANC values for each of the nearest sensitive lakes are provided in the table, below, along with the number of samples used in the calculation of the 10<sup>th</sup> percentile lowest ANC values. Of the seven lakes listed in the table, below, only Upper Frozen Lake is considered to be extremely sensitive to atmospheric deposition by the USFS since the background ANC is less than 25  $\mu\text{eq}/\text{L}$ .

Table 30: Background ANC Values for Acid Sensitive Lakes

| Wilderness Area | Lake            | Latitude (Deg, Min, Sec) | Longitude (Deg, Min, Sec) | 10 <sup>th</sup> Percentile Lowest ANC Value (µeq/l) | Number of Samples |
|-----------------|-----------------|--------------------------|---------------------------|--|-------------------|
| Bridger         | Deep            | 42°43'10"                | 109°10'15"                | 57.7   | 68                |
| Bridger         | Black Joe       | 42°44'22"                | 109°10'16"                | 62.6   | 78                |
| Bridger         | Lazy Boy        | 43°19'57"                | 109°43'47"                | 9.1  | 5                 |
| Bridger         | Upper Frozen    | 42°41'13"                | 109°09'39"                | 7.5  | 12                |
| Bridger         | Hobbs           | 43°02'08"                | 109°40'20"                | 69.9   | 80                |
| Fitzpatrick     | Ross            | 43°23'35"                | 109°39'29"                | 53.0   | 61                |
| Popo Agie       | Lower Saddlebag | 42°37'24"                | 108°59'42"                | 54.6   | 64                |
| Cloud Peak      | Florence Lake   | 44°20'53"                | 107°10'50"                | 70   | 40                |
| Cloud Peak      | Emerald Lake    | 44°27'26"                | 107°18'11"                | 34.4   | 42                |

Sources: Source: USFS 2011 and Views (2014b)

ANC Acid Neutralizing Capacity

Deg Degree

Min Minute

Sec Second

µeq/l Microequivalent per liter

### 4.3 Hydraulic Fracturing White Paper (July 5, 2013)

#### **BACKGROUND**

Hydraulic fracturing (HF) is a well stimulation process used to maximize the extraction of underground resources – oil, natural gas and geothermal energy. The HF process includes the acquisition of water/mixing of chemicals, production zone fracturing, and HF flowback disposal.

In the United States, HF has been used since the 1940's. Early on, the HF process utilized pressures that are of a much smaller magnitude than those used today.

The HF process involves the injection of a fracturing fluid and propping agent into the hydrocarbon bearing formation under sufficient pressure to further open existing fractures and/or create new fractures. This allows the hydrocarbons to more readily flow into the wellbore. HF has gained interest recently as hydrocarbons previously trapped in low permeability tight sand and shale formations are now technically and economically recoverable. As a result, oil and gas production has increased significantly in the United States. The state of Wyoming classifies all gas production zones as Class 5 groundwater zones; this means these zones can be highly impacted by oil and gas activities and are exempt from regulation under the Clean Water Act. However, operations within these zones cannot cause other zones to lose their use classification.

Prior to the development of hydrocarbon bearing tight gas and shale formations, domestic production of conventional resources had been declining. In response to this decline, the federal government in the 1970's through 1992, passed tax credits to encourage the development of unconventional resources. It was during this time that the HF process was further advanced to include the high-pressure multi-stage frac jobs used today.

Generally, HF can be described as follows:

1. Water, proppant, and chemical additives are pumped at extremely high pressures down the wellbore.
2. The fracturing fluid is pumped through perforated sections of the wellbore and into the surrounding formation, creating fractures in the rock. The proppant holds the fractures open during well production.
3. Company personnel continuously monitor and gauge pressures, fluids and proppants, studying how the sand reacts when it hits the bottom of the wellbore, slowly increasing the density of sand to water as the frac progresses.
4. This process may be repeated multiple times, in "stages" to reach maximum areas of the formation(s). The wellbore is temporarily plugged between each stage to maintain the highest fluid pressure possible and get maximum fracturing results in the rock.
5. The plugs are drilled or removed from the wellbore and the well is tested for results.
6. The pressure is reduced and the fracturing fluids are returned up the wellbore for disposal or treatment and re-use, leaving the sand in place to prop open the fractures and allow the oil/gas to flow.

#### **OPERATIONAL ISSUES**

Wells that undergo HF may be drilled vertically, horizontally, or directionally and the resultant fractures induced by HF can be vertical, horizontal, or both. Wells in Wyoming (WY) may extend to depths greater than 20,000 feet or less than 1,000 feet, and horizontal sections of a well may extend several thousand feet from the production pad on the surface<sup>14</sup>.

The total volume of fracturing fluids is generally 95-99% water. The amount of water needed to fracture a well in WY depends on the geologic basin, the formation, and depth and type of well (vertical, horizontal, directional), and the proposed completion process.

In general, approximately 50,000 to 300,000 gallons may be used to fracture shallow coalbed methane wells in the Powder River Basin, while approximately 800,000 to 2 million gallons may be used to fracture deep tight sand gas

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<sup>14</sup> See Kemmerer RMP (2010), Pinedale RMP (2008), Green River RMP (1997), Rock Springs RMP Revision, and Rawlins RMP (2008) RFD and/or Mineral Occurrence Reports for specific information on current and projected oil and gas development.

wells in southwestern WY. In the Niobrara oil play, approximately 250,000 gallons may be used to fracture a vertical well, while up to 5 million gallons may be used to fracture a horizontal well.

Proppant, consisting of synthetic or natural silica sand, may be used in quantities of a few hundred tons for a vertical well to a few thousand tons for a horizontal well.

Drilling muds, drilling fluids, water, proppant and hydraulic fracturing fluids are stored in onsite tanks or lined pits during the drilling and/or completion process. Equipment transport and setup can take several days, and the actual HF and flowback process can occur in a few days up to a few weeks. For oil wells, the flowback fluid from the HF operations is treated in an oil-water separator before it is stored in a lined pit or tank located on the surface. Where gas wells are flowed back using a “green completion process” fluids are run through a multi-phase separator, which are then piped directly to enclosed tanks or to a production unit.

**Gas emissions** associated with the HF process are captured when the operator utilizes a green completion process. Where a green completion process is not utilized, gas associated with the well may be vented and/or flared until “saleable quality” product is obtained in accordance with federal and state rules and regulations. The total volume of emissions from the equipment used (trucks, engines) will vary based on the pressures needed to fracture the well, and the number of zones to be fractured. Emissions associated with a project, and HF if proposed, will be analyzed through a site specific NEPA document to ensure that the operation will not cause a violation of the Clean Air Act.

Under either completion process, wastewaters from HF may be disposed in several ways. For example, the flowback fluids may be stored in tanks pending reuse; the resultant waste may be re-injected using a permitted injection well, or the waste may be hauled to a licensed facility for treatment, disposal and/or reuse.

Disposal of the waste stream following establishment of “sale-quality” product, would be handled in accordance with Onshore Order #7 regulations and other state/federal rules and regulations.

### **FRACTURING FLUIDS**

As indicated above, the fluid used in the HF process is approximately 95 to 99 percent water and a small percentage of special-purpose chemical additives<sup>15, 16</sup> and proppant. There is a broad array of chemicals that can be used as additives in a fracture treatment including, but not limited to, hydrochloric acid, anti-bacterial agents, corrosion inhibitors, gelling agents (polymers), surfactants, and scale inhibitors. The 1 to 5 percent of chemical additives translates to a minimum of 5,000 gallons of chemicals for every 1.5 million gallons of water used to fracture a well (Paschke, Dr. Suzanne. USGS, Denver, Colorado. September 2011). Water used in the HF process is generally acquired from surface water or groundwater in the local area.

### **RE-FRACTURING**

Re-fracturing of wells (RHF) may be performed after a period of time to restore declining production rates. RHF success can be attributed to enlarging and reorienting existing fractures while restoring conductivity due to proppant degradation and fines plugging.

Prior to RHF, the wellbore may be cleaned out. Cleaning out the wellbore may recover over 50% of the initial frac sand. Once cleaned, the process of RHF is the same as the initial HF. The need for RHF cannot be predicted.

### **WATER AVAILABILITY AND CONSUMPTION ESTIMATES**

The Wyoming Framework Water Plan, A Summary, (Wyoming Water Development Commission, October 2007), indicates that approximately 15 million acre-feet per year of water becomes either surface water or groundwater and is available for use. This estimate includes water that flows into the state and the precipitation that runs off as stream flow or infiltrates as groundwater; it does not include volumes lost to evapotranspiration.

Water flowing out of WY is estimated to be 13,678,200 acre-feet per year. Wyoming’s share of this supply under existing water compacts is estimated to be 3,313,500 acre-feet per year; approximately 10,364,700 acre-feet flows downstream out of the state.

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<sup>15</sup> FracFocus Chemical Registry. Hydraulic Fracturing Water Usage

<sup>16</sup> Chesapeake Energy. 2012. Hydraulic Fracturing Fact Sheet. [http://www.chk.com/Media/Educational-Library/Fact-Sheets/Corporate/Hydraulic\\_Fracturing\\_Fact\\_Sheet.pdf](http://www.chk.com/Media/Educational-Library/Fact-Sheets/Corporate/Hydraulic_Fracturing_Fact_Sheet.pdf) (Last accessed March 1, 2012)



The industrial water use sector includes electric power generation, coal mining, conventional oil and gas production, uranium mining, trona mining and soda ash production, bentonite mining, gypsum mining, coalbed methane (CBM) production, manufacturing of aggregate, cement, and concrete, and road and bridge construction.

Total current industrial surface water use for Wyoming is estimated to be 125,000 acre- feet per year. Total current industrial groundwater water use is estimated to be 246,000 acre-feet per year.

According to the state water plan, it appears likely that any new water-intensive industrial developments in the state over the next 30 years will fall into the electric power generation and/or chemical products categories. The other two intensive water use industries, primary metals and paper producers, tend to locate near the source of their largest process inputs – metals and wood respectively. The total projected industrial use under the Mid Scenario is 331,000 acre-feet per year. The Mid-Scenario is a middle of the road estimate versus the projected low or high scenarios.

Water needs for future fracturing jobs were estimated for this discussion paper using the current Reasonable Foreseeable Development (RFD) scenario numbers taken from each of the nine WY RMPs and multiplied by the maximum volume of water necessary based on information located at fracfocus.org. The table is provided, below. Based on a statewide RFD of 25,478 non-CBM wells and 18,299 CBM wells, the maximum projected water needs for HF is 401,319 acre-feet of water. This number is an estimate based upon maximum projected water needs per HF job, and assumes that 100% of the water is freshwater.

According to the WOGCC, as of August 19, 2018, there are approximately 457 Disposal wells in the state disposing of oil and gas waste water. Data obtained from the Wyoming Oil and Gas Conservation Commission, for a period ending June 30, 2018, indicates that 4,979,807,439 barrels of water have been injected into underground formations for disposal purposes. These injection wells may also utilize HF depending upon the specific geology of the disposal zone; however, subsequent disposal operations utilize injection pressures below the fracture stress of the receiving formation to ensure containment in the targeted zone. Each formation for which injection is approved must receive an aquifer exemption from the Environmental Protection Agency documenting that the injectate will be properly contained and that the formation receiving the water is not of useable quality (DEQ Class 4 Use).

### **POTENTIAL SOURCES OF WATER FOR HYDRAULIC FRACTURING**

Freshwater-quality water is required to drill the surface-casing section of the wellbore per federal regulations; other sections of the wellbore (intermediate and/or production strings) would be drilled with appropriate quality makeup water as necessary. This is done to protect usable water zones from contamination, to prevent mixing of zones containing different water quality/use classifications, and to minimize total freshwater volumes. With detailed geologic well logging during drilling operations, geologists/mud loggers on location identify the bottoms of these usable water zones, which aids in the proper setting of casing depths.

Several sources of water are available for drilling and/or HF in WY. Because WY's water rights system is based in the prior appropriation doctrine, water cannot be diverted from a stream/reservoir or pumped out of the ground for drilling and/or HF without reconciling that diversion with the prior appropriation doctrine. Like any other water user, companies that drill or hydraulically fracture oil and gas wells must adhere to WY water laws when obtaining and using specific sources of water.

Below is a discussion of the sources of water that could potentially be used for HF. The decision to use any specific source is dependent on BLM authorization at the APD stage and the ability to satisfy the water appropriation doctrine. BLM must also consult in accordance with the Endangered Species Act (ESA) as amended (16 U.S.C. 1531 et seq.) with the U.S Fish and Wildlife Service (FWS) on projects resulting in consumptive water use over de minimus levels, in the Platte and Colorado River Basins of WY. Where this is an issue, USFWS was consulted during the preparation of the appropriate RMP and would again be consulted on a case by case basis. From an operators' standpoint, the decision regarding which water source will be used is primarily driven by the economics associated with procuring a specific water source.

Water transported from outside the state. The operator may transport water from outside the state. As long as the transport and use of the water carries no legal obligation to Wyoming, this is an allowable source of water from a water rights perspective.

Irrigation water leased or purchased from a landowner. The landowner may have rights to surface water, delivered by a ditch or canal that is used to irrigate land. The operator may choose to enter into an agreement with the landowner to purchase or lease a portion of that water. This is allowable, however, in nearly every case, the use of an irrigation water right is likely limited to irrigation uses and cannot be used for well drilling and HF operations. To allow its use for drilling and HF, the owner of the water right and the operator must apply to change the water right through a formal process.

Treated water or raw water leased or purchased from a water provider. The operator may choose to enter into an agreement with a water provider to purchase or lease water from the water provider's system. Municipalities and other water providers may have a surplus of water in their system before it is treated (raw water) or after treatment that can be used for drilling and HF operations. Such an arrangement would be allowed only if the operator's use were compliant with the water provider's water rights.

Water treated at a waste water treatment plant leased or purchased from a water provider. The operator may choose to enter into an agreement with a water provider to purchase or lease water that has been used by the public, and then treated as wastewater.

Municipalities and other water providers discharge their treated waste water into the streams where it becomes part of the public resource, ready to be appropriated once again in the priority system. But for many municipalities a portion of the water that is discharged has the character of being "reusable." As a result, it is possible that after having been discharged to the stream, it could be diverted by the operator to be used for drilling and HF operations. Such an arrangement would only be appropriate with the approval of the WY State Engineer's Office (WSEO) and would be allowed only if the water provider's water rights include uses for drilling and HF operations.

New diversion of surface water flowing in streams and rivers. New diversion of surface waters in most parts of the state are rare because the surface streams are already "over appropriated," that is, the flows do not reliably occur in such a magnitude that all of the vested water rights on those streams can be satisfied. Therefore, the only time that an operator may be able to divert water directly from a river is during periods of high flow and less demand. These periods do occur but not reliably or predictably.

Produced Water. The operator may choose to use water produced in conjunction with oil or gas production at an existing oil or gas well. The water that is produced from an oil or gas well is under the administrative purview of the WSEO and is either non-tributary, in which case, it is administered independent of the prior appropriation doctrine; or is tributary, in which case, the depletions from its withdrawal must be fully augmented if the depletions occur in an over-appropriated basin. The result in either case is that the produced water is available for consumption for other purposes, not just oil and gas operations. The water must not be encumbered by other needs and the operator must obtain a proper well permit from the WSEO before the water can be used for drilling and HF operations.

Reused or Recycled Drilling Water. Water that is used for drilling of one well may be recovered and reused in the construction of subsequent wells. The BLM encourages reuse and recycling of both the water used in well drilling and the water produced in conjunction with oil or gas production. However, as described above, the operator must obtain the right to use the water for this purpose.

On-Location Water Supply Wells. Operators may apply for, and receive, permission from the WSEO to drill and use a new water supply well. These wells are usually drilled on location to provide an on-demand supply. These industrial-type water supply wells are typically drilled deeper than nearby domestic and/or stock wells to minimize drawdown interference, and have large capacity pumps. The proper construction, operation and maintenance, backflow prevention and security of these water supply wells are critical considerations at the time they are proposed to minimize impacts to the well and/or the waters in the well and are under the jurisdiction of the WSEO. Plugging these wells are also under the jurisdiction of the WSEO.

## **POTENTIAL IMPACTS TO USABLE WATER ZONES**

Impacts to freshwater supplies can originate from point sources, such as chemical spills, chemical storage tanks (aboveground and underground), industrial sites, landfills, household septic tanks, and mining activities. Impacts to usable waters may also occur through a variety of oil and gas operational sources which may include, but are not limited to, pipeline and well casing failure, and well (gas, oil and/or water) drilling and construction of related

facilities. Similarly, improper construction and management of open fluids pits and production facilities could degrade ground water quality through leakage and leaching.<sup>17</sup>

Should hydrocarbons or associated chemicals for oil and gas development, including HF, exceeding EPA/WDEQ standards for minimum concentration levels migrate into culinary water supply wells, springs, or usable water systems, it could result in these water sources becoming non-potable. Water wells developed for oil and gas drilling could also result in a draw down in the quantity of water in nearby residential areas depending upon the geology; however it is not currently possible to predict whether or not such water wells would be developed.

Usable groundwater aquifers are most susceptible to pollution where the aquifer is shallow (within 100 feet of the surface depending on surface geology) or perched, are very permeable, or connected directly to a surface water system, such as through floodplains and/or alluvial valleys or where operations occur in geologies which are highly fractured and/or lack a sealing formation between the production zone and the usable water zones. If an impact to usable waters were to occur, a greater number of people could be affected in densely populated areas versus sparsely populated areas characteristic of WY.

Potential impacts on usable groundwater resources from fluid mineral extraction activities can result from the five following scenarios:

- Contamination of aquifers through the introduction of drilling and/or completion fluids through spills or drilling problems such as lost circulation zones.
- Communication of the induced hydraulic fractures with existing fractures potentially allowing frac fluid migration into usable water zones/supplies. The potential for this impact is likely dependent on the local hydraulic gradients where those fluids are dissolved in the water column. To date, this is an unproven theory.
- Cross-contamination of aquifers/formations that may result when fluids from a deeper aquifer/formation migrate into a shallower aquifer/formation due to improperly cemented well casings.
- Localized depletion of unconfined groundwater availability.
- Progressive contamination of deep confined, shallow confined, and unconfined aquifers if the deep confined aquifers are not completely cased off, and geologically isolated, from deeper units. An example of this would be salt water intrusion resulting from sustained drawdown associated with the pumping of groundwater.

The impacts above could occur as a result of the following processes:

#### Improper casing and cementing.

A well casing design that is not set at the proper depths or a cementing program that does not properly isolate necessary formations could allow oil, gas or HF fluids to contaminate other aquifers/formations.

#### Natural fractures, faults, and abandoned wells.

If HF of oil and gas wells result in new fractures connecting with established natural fractures, faults, or improperly plugged dry or abandoned wells, a pathway for gas or contaminants to migrate underground may be created posing a risk to water quality. The potential for this impact is currently unknown but it is generally accepted that the potential decreases with increasing distance between the production zone and usable water zones. This potential again is dependent upon the site specific conditions at the well location.

#### Fracture growth.

A number of studies and publications report that the risk of induced fractures extending out of the target formation into an aquifer—allowing hydrocarbons or other fluids to contaminate the aquifer—may depend, in part, on the formation thickness separating the targeted fractured formation and the aquifer. For example, according to a 2012 Bipartisan Policy Center report, the fracturing process itself is unlikely to directly affect freshwater aquifers because fracturing typically takes place at a depth of 6,000 to 10,000 feet, while drinking water aquifers are typically less than 1,000 feet deep. Fractures created during HF have not been shown to span the distance between the targeted formation and freshwater bearing zones. If a parcel is sold and development is proposed in usable water zones, those

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<sup>17</sup> See Subject RMP, Chapter 4, Environmental Consequences, for additional information

operations would have to comply with federal and/or state water quality standards or receive a Class 5 designation from the WDEQ.

Fracture growth and the potential for upward fluid migration, through coal and other geologic formations depend on site-specific factors such as the following:

1. Physical properties, types, thicknesses, and depths of the targeted formation as well as those of the surrounding geologic formations.
2. Presence of existing natural fracture systems and their orientation in the target formation and surrounding formations.
3. Amount and distribution of stress (i.e., in-situ stress), and the stress contrasts between the targeted formation and the surrounding formations.

Hydraulic fracture stimulation designs include the volume of fracturing fluid injected into the formation as well as the fluid injection rate and fluid viscosity; this information would be evaluated against the above site specific considerations.

#### Fluid leak and recovery (flowback) of HF fluids.

It is theorized that not all fracturing fluids injected into the formation during the HF process may be recovered. It is theorized that fluid movement into smaller fractures or other geologic substructures can be to a point where flowback efforts will not recover all the fluid or that the pressure reduction caused by pumping during subsequent production operations may not be sufficient to recover all the fluid that has leaked into the formation. It is noted that the fluid loss due to leakage into small fractures and pores is minimized by the use of cross-linked gels.

Willberg et al. (1998) analyzed HF flowback and described the effect of pumping rates on cleanup efficiency in initially dry, very low permeability (0.001 md) shale. Some wells in this study were pumped at low flowback rates (less than 3 barrels per minute (bbl/min)). Other wells were pumped more aggressively at greater than 3 bbl/min. Thirty- one percent of the injected HF fluids were recovered when low flowback rates were applied over a 5-day period. Forty-six percent of the fluids were recovered when aggressive flowback rates were applied in other wells over a 2-day period. In both cases, additional fluid recovery (10 percent to 13 percent) was achieved during the subsequent gas production phase, resulting in a total recovery rate of 41 percent to 59 percent of the initial volume of injected HF fluid. Ultimate recovery rate however, is dependent on the permeability of the rocks, fracture configuration, and the surface area of the fracture(s).

The ability of HF chemicals to migrate in an undissolved or dissolved phase into a usable water zone is likely dependent upon the location of the sealing formation (if any), the geology of the sealing formation, hydraulic gradients and production pressures. The following discussion, adapted from: Evaluation of Impacts to Underground Sources of Drinking Water by Hydraulic Fracturing of Coalbed Methane Reservoirs; Chapter 3 Characteristics of CBM Production and Associated HF Practices (3-5EPA 816-R-04-003, June, 2004), takes place where there is not a sealing formation between the fractured formation and usable waters; the two zones are separated by approximately 1000' of earth in the Powder River Basin of WY.

HF Fluids can remain in the subsurface unrecovered, due to "leak off" into connected fractures and the pores of rocks. Fracturing fluids injected into the primary hydraulically induced fracture can intersect and flow (leak off) into preexisting smaller natural fractures. Some of the fluids lost in this way may occur very close to the well bore after traveling minimal distances in the hydraulically induced fracture before being diverted into other fractures and pores. Once "mixed" with the native water, local and regional vertical and horizontal gradients may influence where and if these fluids will come in contact with usable water zones, assuming that there is inadequate recovery either through the initial flowback or over the productive life of the well. Faults, folds, joints, etc., could also alter localized flow patterns as discussed below.

The following processes can influence effective recovery of the fracture fluids:

#### *Check-Valve Effect*

A check-valve effect occurs when natural and/ or newly created fractures open and HF fluid is forced into the fractures when fracturing pressures are high, but the fluids are subsequently prevented from flowing back toward the

wellbore as the fractures close when the fracturing pressure is decreased (Warpinski et al., 1988; Palmer et al., 1991a). A long fracture can be pinched-off at some distance from the wellbore. This reduces the effective fracture length. HF fluids trapped beyond the “pinch point” are unlikely to be recovered during flowback and oil/gas is unlikely to be recovered during production.

In most cases, when the fracturing pressure is reduced, the fracture closes in response to natural subsurface compressive stresses. Because the primary purpose of hydraulic fracturing is to increase the effective permeability of the target formation and connect new or widened fractures to the wellbore, a closed fracture is of little use. Therefore, a component of HF is to “prop” the fracture open, so that the enhanced permeability from the pressure-induced fracturing persists even after fracturing pressure is terminated. To this end, operators use a system of fluids and “proppants” to create and preserve a high- permeability fracture-channel from the wellbore deep into the formation.

The check-valve effect takes place in locations beyond the zone where proppants have been placed (or in smaller secondary fractures that have not received any proppant). It is possible that some volume of stimulation fluid cannot be recovered due to its movement into zones that were not completely “propped” open.

#### *Adsorption and Chemical Reactions*

Adsorption and chemical reactions can also prevent HF fluids from being recovered. Adsorption is the process by which fluid constituents adhere to a solid surface and are thereby unavailable to flow with groundwater. Adsorption to coal is likely; however, adsorption to other geologic material (e.g., shale, sandstone) is likely to be minimal. Another possible reaction affecting the recovery of fracturing fluid constituents is the neutralization of acids (in the fracturing fluids) by carbonates in the subsurface.

#### *Movement of Fluids Outside the Capture Zone*

Fracturing fluids injected into the target zone flow into fractures under very high pressure. The hydraulic gradients driving fluid flow away from the wellbore during injection are much greater than the hydraulic gradients pulling fluid flow back toward the wellbore during flowback and production (pumping) of the well. Some portion of the fracturing fluids could be forced along the hydraulically induced fracture to a point beyond the capture zone of the production well. The size of the capture zone will be affected by the regional groundwater gradients, and by the drawdown caused by producing the well. Site-specific geologic, hydrogeologic, injection pressure, and production pumping details should provide the information needed to estimate the dimension of the production well capture zone and the extent to which the fracturing fluids might disperse and dilute.

#### *Incomplete Mixing of Fracturing Fluids with Water*

Steidl (1993) documented the occurrence of a gelling agent that did not dissolve completely and actually formed clumps at 15 times the injected concentration in an induced fracture. Steidl also directly observed, in his mined-through studies, gel hanging in stringy clumps in many other induced fractures. As Willberg et al. (1997) noted, laboratory studies indicate that fingered flow of water past residual gel may impede fluid recovery. Therefore, some fracturing fluid gels appear not to flow with groundwater during production pumping and remain in the subsurface unrecovered. Such gels are unlikely to flow with groundwater during production, but may present a source of gel constituents to flowing groundwater during and after production.

Authorization of any future proposed projects , would require full compliance with local, state, and federal regulations and laws that relate to surface and groundwater protection and would be subject to routine inspections by the BLM and the Wyoming Oil and Gas Commission as described in Memorandum of Understanding WY920-94-09-79, dated September 21, 1994, prior to approval.

#### **GEOLOGIC HAZARDS (INCLUDING SEISMIC/LANDSLIDES)**

Potential geologic hazards caused by HF include induced seismic activity. Induced seismic activity could indirectly cause surficial landslide activity where soils/slopes are susceptible to failure.

Landslides involve the mass movement of earth materials down slopes and can include debris flows, soil creep, and slumping of large blocks of material. There are no identified landslides in the project area [Kemmerer RMP (2010), Pinedale RMP (2008), Green River RMP (1997), Rock Springs RMP Revision, and Rawlins RMP (2008) Chapter 2,

Affected Environment and/or Summary of the Management Situation Analysis; Wyoming State Geological Survey (2011)].

Earthquakes occur when energy is released due to blocks of the earth's crust moving along areas of weakness or faults. Earthquakes attributable to human activities are called "induced seismic events" or "induced earthquakes." In the past several years induced seismic events related to energy development projects have drawn heightened public attention. Although only a very small fraction of injection and extraction activities at hundreds of thousands of energy development sites in the United States have induced seismicity at levels that are noticeable to the public, seismic events caused by or likely related to energy development have been measured and felt in Alabama, Arkansas, California, Colorado, Illinois, Louisiana, Mississippi, Nebraska, Nevada, New Mexico, Ohio, Oklahoma, and Texas.

A study conducted by the National Academy of Sciences<sup>18</sup> studied the issue of induced seismic activity from energy development. As a result of the study, they found that: (1) the process of hydraulic fracturing a well as presently implemented for shale gas recovery does not pose a high risk for inducing felt seismic events; and (2) injection for disposal of waste water derived from energy technologies into the subsurface does pose some risk for induced seismicity, but very few events have been documented over the past several decades relative to the large number of disposal wells in operation.

The potential for induced seismicity cannot be made at the leasing stage; as such, it will be evaluated at the APD stage should the parcel be sold/issued, and a development proposal submitted.

#### **SPILL RESPONSE AND REPORTING**

Spill Prevention, Control, and Countermeasure (SPCC) - EPA's rules include requirements for oil spill prevention, preparedness, and response to prevent oil discharges to navigable waters and adjoining shorelines. The rule requires that operators of specific facilities prepare, amend, and implement SPCC Plans. The SPCC rule is part of the Oil Pollution Prevention regulation, which also includes the Facility Response Plan (FRP) rule. Originally published in 1973 under the authority of §311 of the Clean Water Act, the Oil Pollution Prevention regulation sets forth requirements for prevention of, preparedness for, and response to oil discharges at specific non-transportation-related facilities. To prevent oil from reaching navigable waters and adjoining shorelines, and to contain discharges of oil, the regulation requires the operator of these facilities to develop and implement SPCC Plans and establishes procedures, methods, and equipment requirements (Subparts A, B, and C). In 1990, the Oil Pollution Act amended the Clean Water Act to require some oil storage facilities to prepare Facility Response Plans. On July 1, 1994, EPA finalized the revisions that direct facility owners or operators to prepare and submit plans for responding to a worst-case discharge of oil.

In addition to EPA's requirements, operators must provide a plan for managing waste materials, and for the safe containment of hazardous materials, per Onshore Order #1 with their APD proposal. All spills and/or undesirable events are managed in accordance with Notice to Lessee (NTL) 3-A and WY Information Memorandums 2008-028: *NTL- 3A Reporting Requirements* and 2009-021 *Guidance & Standards for Response to Oil & Gas-Related Spills & Clean-Up Criteria*. Regulations found at 43 CFR 3162.5(c) provide BLM with the necessary regulatory framework for responding to all spills and/or undesirable events related to hydraulic fracturing operations.

#### **PUBLIC HEALTH AND SAFETY**

The intensity, and likelihood, of potential impacts to public health and safety, and to the quality of usable water aquifers is directly related to proximity of the proposed action to domestic and/or community water supplies (wells, reservoirs, lakes, rivers, etc.) and/or agricultural developments. The potential impacts are also dependent on the extent of the production well's capture zone and well integrity. Standard Lease Notice No.1 specifies that development is generally restricted within a quarter mile of occupied dwellings and within 500 feet of riparian habitats and wetlands, perennial water sources (rivers, springs, water wells, etc.) and/or floodplains. Intensity of impact is likely dependent on the density of development. Further information related to the rate of development is provided in the Leasing Environmental Analysis.

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<sup>18</sup> Induced Seismicity Potential in Energy Technologies, National Academy of Sciences, 2012

| HF White Paper<br>Table       |  |   |  |                              |  |                                  |   |  |   |
|-------------------------------|--|---|--|------------------------------|--|----------------------------------|---|--|---|
| Field Office<br>(Year of RFD) | Projected<br>Number<br>of CBM<br>wells | Projected<br>Number of<br>Non-CBM/<br>Conventional<br>Wells | Max Frac<br>Volume<br>CBM<br>(gallons) | Total Est.<br>H2O for<br>CBM | Max Frac<br>Volume<br>Non_CBM<br>(gallons) | Total Est.<br>H2O for<br>Non-CBM | Total<br>Projected<br>H2O for HF<br>(gallons) | Total<br>Projected<br>H2O for<br>HF<br>(barrels) | Total<br>Projected<br>H2O for<br>HF (acre-<br>feet) |
| BFO (2012)                    | 10,343                                 | 3,865   | 300,000                                | 3,102,900,000                | 5,000,000                                  | 19,325,000,000                   | 22,427,900,000                                | 711,996,824                                      | 67,736.09   |
| BHB (2010)<br>(WFO/CYFO)      | 150                                    | 1,890   | 300,000                                | 45,000,000                   | 5,000,000                                  | 9,450,000,000                    | 9,495,000,000                                 | 301,428,571                                      | 28,676.52   |
| CFO (2005)                    | 700                                    | 2,100   | 300,000                                | 210,000,000                  | 5,000,000                                  | 10,500,000,000                   | 10,710,000,000                                | 340,000,000                                      | 32,346.03   |
| NFO (2004)                    | 0                                      | 30  | 300,000                                | 0                            | 5,000,000                                  | 150,000,000                      | 150,000,000                                   | 4,761,905  | 453.03  |
| LFO (2009)                    | 861                                    | 2,566   | 300,000                                | 258,300,000                  | 5,000,000                                  | 12,830,000,000                   | 13,088,300,000                                | 415,501,587                                      | 39,528.90   |
| RFO (2004)                    | 4,655                                  | 4,655   | 300,000                                | 1,396,500,000                | 5,000,000                                  | 23,275,000,000                   | 24,671,500,000                                | 783,222,221                                      | 74,512.14   |
| RSFO<br>(GRRMP/1991)          | 300                                    | 1,258   | 300,000                                | 90,000,000                   | 5,000,000                                  | 6,290,000,000                    | 6,380,000,000                                 | 202,539,682                                      | 19,268.69   |
| RSFO<br>(JMH/2002)            | 50                                     | 314   | 300,000                                | 15,000,000                   | 5,000,000                                  | 1,570,000,000                    | 1,585,000,000                                 | 50,317,460                                       | 4,786.97  |
| KFO (2006)                    | 640                                    | 220   | 300,000                                | 192,000,000                  | 5,000,000                                  | 1,100,000,000                    | 1,292,000,000                                 | 41,015,873                                       | 3,902.06  |
| PFO (2006)                    | 600                                    | 8,580   | 300,000                                | 180,000,000                  | 5,000,000                                  | 42,900,000,000                   | 43,080,000,000                                | 1,367,619,046                                    | 130,108.96  |
| Total                         | 18,299                                 | 25,478  |  | 5,489,700,000                |  | 127,390,000,000                  | 132,879,700,000                               | 4,218,403,168                                    | 401,319   |

Calculation assumes 100% of HF H2O is freshwater.

Conversion factor: gallons to barrels: \*0.0317460317 Conversion factor: barrels to acre feet: /10511.3365126

#### 4.4 EA Preparers/Reviewers, Consultation & Coordination

The following individuals or organizations were involved in consultation on issues in the development of this EA.

##### 4.4.1 Outside Agencies or Individuals

Prior to publication of this EA, letters were sent to landowners by the WSO notifying them that the minerals under their surface lands had been nominated for lease and inviting them to participate in the BLM's review. Of the initial 702 parcel nominated for sale, 452 appear to have at least some portion of the parcel in private fee ownership. Where surface ownership information was provided, the WSO mailed notification letters to each person's whose information was provided. No comments were received from these surface owners during the initial or extended comment period.

Informal scoping letters were also sent to Native American tribal contacts known or identified as having interest or concerns with oil and gas leasing in the area. No comments were received as a result of sending these letters. Tribal consultation was specifically initiated for parcel 323 in the Pinedale Field Office and this parcel is deferred from offering under State Director discretion.

When necessary, notice letters were sent to the Forest Service, Douglas Ranger District and to units of the National Park Service in the northeast regional area of Wyoming. The superintendent of the Fort Laramie National Historic Site has identified concerns with oil and gas development in proximity to the Historic Site for previous sales. Those concerns include activities within the visual setting of the area, effects on visitor experience, and impacts to air quality, water quality and night skies. These are impacts associated with lease development, and will be addressed site specifically if a development proposal is submitted. No new issues were identified that would suggest the need to consider alternatives beyond those being addressed in this EA and no specific comments were received from these entities.

In accordance with the BLM/WGFD Memorandum of Understanding WY131, Appendix 5G, the WSO sent the preliminary parcel list to the WGFD field personnel were provided an opportunity to review the revised preliminary parcel list and send their comments back to the BLM field office. If WGFD field personnel did not have any comments or concerns with the revised preliminary parcel list, they sent an email/letter to the BLM field office that they have reviewed the revised preliminary parcel list, and the WGFD concerns have been met and they have no additional concerns. The BLM field offices reviewed WGFD field personnel concerns and addressed any concerns. The WSO also routinely meets with WGFD Habitat Protection Program personnel as a part of its coordination on oil and gas lease sales. Individuals contacted at the WGFD regarding the subject parcels include: Brandon Scurlock (PFO and RSFO), Sam Stephens (RFO), Jeff Short (KFO), Erika Peckham, Cheyenne Stewart and Tim Thomas (BFO); Willow Hibbs and Heather Obrien (CFO); Joe Sandrini, Erika Peckham and Willow Bish (NFO); Leslie Schreiber (WFO); and Angela Bruce, Rick Huber, and Scott Smith (Cheyenne WGFD/Statewide).

Under procedures outlined in a memorandum of understanding, the BLM requested comments from the Bureau of Reclamation (BOR) as the surface management agency on any parcels located on lands managed by the BOR. This coordination is also discussed under Scoping, in section 1.6 on page 1.6 of this EA.

##### 4.4.2 BLM-Wyoming State Office

| Name                            | Title                                | Responsible for              |
|---------------------------------|--------------------------------------|------------------------------|
| <b>BLM Wyoming State Office</b> |                                      |                              |
| Erik Norelius                   | Natural Resource Specialist          | Project Manager and Preparer |
| Allen Stegeman                  | Natural Resource Specialist          | Project Manager and Preparer |
| Ryan McCammon                   | Physical Scientist, Air Quality      | Air Quality & Climate Change |
| Travis Bargsten                 | Planning & Environmental Coordinator | Planning                     |
| Karsyn Lamb                     | Economist                            | Socioeconomics               |
| Jenny Marzluf                   | Wildlife Biologist                   | Wildlife                     |
| Darren Long                     | Wildlife Biologist                   | Wildlife                     |
| Chris Keefe                     | Wildlife Biologist                   | Wildlife                     |



#### 4.4.3 BLM-High Desert District

| Name                               | Title                                   | Responsible for   |
|------------------------------------|---|---|
| <b>High Desert District Office</b> |   |   |
| Sonja Hunt                         | HDD Resource Advisor-Energy             | District Project Coordinator  |
| <b>Pinedale Field Office</b>       |   |   |
| Douglas Linn                       | Assistant Field Manager                 | Lands and Minerals  |
| Brian Roberts                      | Natural Resource Specialist             | Soils   |
| Juliann Terry                      | Wildlife Biologist                      | Wildlife, Threatened and Endangered Species, Special Status species |
| Jennie Frankus                     | Cultural Resources Specialist           | Cultural Resources, Paleontology                                    |
| Kellie Roadifer                    | Lead Project Coordinator                | Project Lead  |
| Joel Klosterman                    | Outdoor Recreation Planner              | Recreation; VRM; LWCs   |
| <b>Rawlins Field Office</b>        |   |   |
| Tim Novotny                        | Assistant Field Manager                 | Project Lead  |
| Ray Ogle                           | Supervisory Natural Resource Specialist | RFO Lead  |
| Natasha Keierleber                 | Archeologist                            | Cultural Resources, Paleontology                                    |
| Frank Blomquist                    | Wildlife Biologist                      | Wildlife, Threatened and Endangered Species, Special Status species |
| John Martin                        | Wildlife Biologist Technician           | Wildlife, Threatened and Endangered Species, Special Status species |
| Mitch Lane                         | Geologist                               | Geology; minerals   |
| <b>Rock Springs Field Office</b>   |   |   |
| Gavin Lovell                       | Assistant Field Manager, Resources      | Resource Lead   |
| Carlos Coontz                      | Planning and Environmental Specialist   | Project Lead  |
| Scott Stadler                      | Supervisory Archeologist                | Cultural Resources  |
| Gene Smith                         | Paleontology Coordinator                | Paleontology  |
| Mark Snyder                        | Supervisory Wildlife Biologist          | Wildlife, Threatened and Endangered Species, Special Status species |
| Dennis Doncaster                   | Hydrology                               | Water Resources   |
| TJ Franklin                        | Natural Resource Specialist             | Minerals  |
| Katie Goidich                      | Archeologist /Recreation Specialist     | Recreation; VRM; LWCs   |
| Holly Goggin                       | Geologist                               | Geology; minerals   |
| <b>Kemmerer Field Office</b>       |   |   |
| Melissa Fisher                     | Natural Resource Specialist             | CYFO Core Team Lead; Site Visits                                    |
| Blaine Potts                       | Assistant Field Manager, Resources      | Recreation/VRM//Wilderness  |
| Jessica Vogt                       | Wildlife Biologist                      | Wildlife/T&E  |
| Alex Gardiner                      | Fisheries Biologist                     | Fisheries/T&E   |
| Doug Tingwall                      | Archeologist                            | Cultural  |

#### 4.4.4 BLM High Plains District

| Name                               | Title                                | Responsible for                  |
|------------------------------------|--------------------------------------|----------------------------------|
| <b>High Plains District Office</b> |                                      |                                  |
| Tyson Finnicum                     | HPP Resource Advisor                 | District Project Coordinator     |
| Andrea Meeks                       | GIS Specialist, High Plains District | Coal Review                      |
| <b>Newcastle Field Office</b>      |                                      |                                  |
| Eric Schnell                       | Natural Resource Specialist          | NFO Team Lead                    |
| Justin Proffer                     | Wildlife Biologist                   | Wildlife Review                  |
| Alice Tratebas                     | Archeologist                         | Cultural and Paleontology Review |
| <b>Casper Field Office</b>         |                                      |                                  |
| Ahren Ramirez                      | Natural Resource Specialist          | CFO Team Lead                    |

|                             |                             |   |
|-----------------------------|-----------------------------|---|
| Sara Olsen                  | Wildlife Biologist          | Wildlife Review                             |
| Katy Kuhnel                 | Outdoor Recreation Planner  | Wilderness Review                           |
| Robert Mathis               | GIS Specialist              | CFO GIS Support and Review                  |
| Patrick Walker              | Archeologist                | Cultural and Paleontology Review            |
| <b>Buffalo Field Office</b> |                             |   |
| Katrina Gray                | Natural Resource Specialist | BFO Team Lead                               |
| Shari Ketcham               | Wildlife Biologist          | Wildlife Review                             |
| Buck Damone                 | Archeologist                | Cultural and Paleontology Review            |
| Jessica McDermitt           | GIS Specialist              | BFO GIS Support and Review                  |
| Rachel Wiota                | Outdoor Recreation Planner  | Recreation, Wilderness, Visual Mgmt. Review |
| Andrea Meeks                | GIS Specialist              | Coal Review                                 |

#### 4.4.5 BLM-Wind River/Bighorn Basin District

| Name  | Title                                | Responsible for                                  |
|---|--------------------------------------|--|
| <b>Wind River/Bighorn Basin District Office</b> |                                      |  |
| Rita Allen                                      | WR/BBD District Resource Advisor     | District Project Manager & Preparer              |
| Sarah Bucklin                                   | WR/BBD District Resource Advisor     | District Project Manager & Preparer              |
| Holly Elliott                                   | Planning & Environmental Coordinator | Review   |
| Zack Poetzsch                                   | Planning & Environmental Specialist  | Review   |
| <b>Cody Field Office</b>                        |                                      |  |
| Brandi Hecker                                   | Natural Resource Specialist          | CYFO Core Team Lead; Site Visits                 |
| Gretchen Hurley                                 | Geologist                            | Geology and Paleontological Resources            |
| Abel Guevara                                    | Wildlife Biologist                   | Wildlife/T&E                                     |
| Kierson Crume                                   | Archeologist                         | Cultural   |
| Rick Tryder                                     | Outdoor Recreation Planner           | Recreation/VRM//Wilderness                       |
| Alicia Hummel                                   | Rangeland Management Specialist      | Riparian   |
| <b>Worland Field Office</b>                     |                                      |  |
| Valerie Baxter                                  | Natural Resource Specialist          | WFO Core Team Lead; Site Visits                  |
| Darci Stafford                                  | Wildlife Biologist                   | Wildlife/T&E                                     |
| Tim Stephens                                    | Wildlife Biologist                   | Wildlife/T&E                                     |
| Stacey Moore                                    | Archaeologist                        | Cultural and Paleontological Resources           |
| Stacy Moore                                     | Archaeologist                        | Cultural and Paleontological Resources           |
| Hannah Fortney (acting)                         | Outdoor Recreation Planner           | Recreation/VRM/Wilderness                        |
| Karen Hepp                                      | Range Management Specialist          | T&E Plants                                       |
| Jeff Coyle                                      | Hydrologist                          | Hydrology  |
| Hannah Fortney                                  | Geographic Information Specialist    | GIS  |
| Joe Scyphers                                    | Geologist                            | Mining claims, Subsurface Solid Minerals         |
| <b>Lander Field Office</b>                      |                                      |  |
| Lindsay Abercrombie                             | Natural Resource Specialist          | LFO Core Team Lead; Site Visits                  |
| Ira Waldron                                     | Natural Resource Specialist          | LFO Core Team Lead; Site Visits                  |
| Aaron Rutledge                                  | Wildlife Biologist                   | Wildlife, T&E and Sensitive Species, Site Visits |
| Nicholas Freeland                               | Archaeologist                        | Cultural and Paleontological Resources           |
| Jared Oakleaf                                   | Outdoor Recreation Planner           | Recreation/VRM/Wilderness                        |

|               |   |             |
|---------------|---|-------------|
| Sarah Wempen  | Geographic Information Specialist             | GIS         |
| Emma Freeland | Natural Resource Specialist –<br>Weeds/Botany | T&E Species |

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## **6.0 Attachments**

### **6.1 Parcel Specific Maps (Wildlife)**

The attached maps are used to identify parcel specific interactions with Greater Sage-Grouse and Big Game habitat. Please refer to Chapter 3 for species-specific analysis. The parcel shapefile is available to download to compare to other data sources.

### **6.2 Parcel Specific Maps (Leasing and Development)**

The attached maps are used to identify existing oil and gas development on a parcel specific level. The parcel shapefile is available to download to compare to other data sources.