

# **Chapter 6. Consultation and Coordination**

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## 6.1. Introduction

This chapter describes the public outreach and participation opportunities made available through the development of this LUPA/EIS and consultation and coordination efforts with tribes, government agencies, and other stakeholders. This chapter also lists the interdisciplinary team of staff who prepared the LUPA/EIS.

The BLM and Forest Service land use planning activities are conducted in accordance with requirements of the NEPA, CEQ regulations, BLM policies and procedures implementing NEPA, and US Department of Agriculture and Forest Service policies and procedures implementing NEPA. The NEPA and associated laws, regulations, and policies require the BLM and Forest Service to seek public involvement early in and throughout the planning process to develop a reasonable range of alternatives to proposed actions and to prepare environmental documents that disclose the potential impacts of proposed actions and alternatives. Public involvement and agency consultation and coordination, which have been at the heart of the planning process leading to this draft LUPA/EIS, were achieved through *Federal Register* notices, public and informal meetings, individual contacts, media releases, and the Greater Sage-Grouse Planning Strategy Northeastern California and Nevada Sub-Region project website (<http://www.blm.gov/wo/st/en/prog/more/sagegrouse/western.html>).

## 6.2. Collaboration

Federal laws require the lead agency to consult with certain federal and state agencies and entities and Native American tribes (40 CFR 1502.25) during the NEPA decision-making process. Federal agencies are also directed to integrate NEPA requirements with other environmental review and consultation requirements to reduce paperwork and delays (40 CFR 1500.4-5).

In addition to formal scoping (**Section 6.4.1**, Scoping Process), the BLM and Forest Service have implemented an extensive collaborative outreach and public involvement process that has included coordinating with cooperating agencies, holding public scoping meetings, and holding a socioeconomic workshop. The BLM and Forest Service will continue to meet with interested agencies and organizations throughout the planning process, as appropriate, and will continue coordinating closely with cooperating partners.

### 6.2.1. Native American Tribal Consultation

The BLM and Forest Service began tribal consultation by requesting a consultation meeting with area tribes to discuss the details of the GRSG planning efforts. Each of the tribes was also invited to participate in the planning effort as cooperating agencies. The list of tribes contacted, as well as the results of consultation to date, are described in **Section 3.6.4**, Tribal Interests, and are detailed in **Table 3-87**, Tribal Consultation and Outreach Efforts for the Nevada and Northeastern California Sub-region Sage-Grouse LUPA/EIS.

The draft LUPA/EIS will be provided to the tribes concurrently with its release to the public.

## 6.2.2. California and Nevada State Historic Preservation Officer Consultation

The draft LUPA/EIS will be provided to the California and Nevada State Historic Preservation Offices concurrently with its release to the public.

## 6.2.3. US Fish and Wildlife Service Consultation

To comply with Section 7(c) of the ESA, the BLM and Forest Service consulted USFWS early in the planning process. USFWS provided input on planning issues, data collection and review, and alternatives development in their role as a cooperating agency.

## 6.3. Cooperating Agencies

A cooperating agency is any federal, state, or local government agency or Native American tribe that enters into a formal agreement with a lead federal agency to help develop an environmental analysis. More specifically, cooperating agencies “work with the BLM, sharing knowledge and resources, to achieve desired outcomes for public lands and communities within statutory and regulatory frameworks” (BLM Land Use Planning Handbook H-1601-1).

On December 7, 2011, the BLM wrote to 52 local, state, federal, and tribal representatives, inviting them to participate as cooperating agencies for the Nevada and Northeastern California Greater Sage-Grouse Sub-region LUPA/EIS. Twenty-two agencies agreed to participate on the EIS as designated cooperating agencies, all of which have signed Memorandums of Understanding (MOUs) with the BLM (**Table 6-1**, Cooperating Agencies). Some agencies are participating as cooperating agencies under the larger umbrella of the national-level MOUs described below.

The Forest Service and USFWS are participating in the EIS process as cooperating agencies at a national level, and both agencies have signed MOUs at a national level.

Since starting on May 18, 2012, the BLM has conducted eight meetings to date with cooperating agencies. Cooperating agencies were also encouraged to attend the scoping open houses and provide comments during the scoping period (**Section 6.4.1**, Scoping Process). These agencies have been engaged throughout the planning process, including during alternatives development.

**Table 6.1. Cooperating Agencies**

Agencies and Tribes Invited to be Cooperators	Agencies that Accepted	Agencies that Signed MOUs
Counties		
Churchill County	X	X
County of Carson City		
Douglas County		
Elko County	X	X
Esmeralda County		
Eureka County	X	X
Humboldt County	X	X
Lander County	X	
Lassen County	X	X
Lincoln County	X	X

Agencies and Tribes Invited to be Cooperators	Agencies that Accepted	Agencies that Signed MOUs
Lyon County		
Mineral County		
Modoc County	X	X
Nye County	X	X
Pershing County	X	X
Storey County		
Washoe County	X	X
White Pine County	X	X
State Agencies		
Nevada Department of Agriculture		
Nevada Division of Minerals	X	
Nevada Department of Transportation	X	X
Nevada Department of Wildlife	X	X
Nevada Department of Conservation and Natural Resources	X	X
Office of the Governor - Nevada	N/A	
Federal Agencies		
Department of Defense Fallon Naval Air Station	X	X
Department of Defense Nellis Air Force Base	X	X
Federal Highway Planning Administration - Nevada	X	X
Natural Resources Conservation Service	X	X
US Fish and Wildlife Service	X	X
US Forest Service	X	X
Tribes		
Alturas Rancheria		
Battle Mountain Band		
Cedarville Rancheria		
Confederated Tribes of Goshute		
Duck Valley Shoshone-Paiute Tribe		
Duckwater Shoshone Tribe	X	
Elko Band		
Ely Shoshone Tribe		
Fallon Paiute Shoshone Tribe	X	
Fort Bidwell Reservation		
Fort McDermitt Paiute-Shoshone Tribe	X	
Goshute Tribe		
Greenville Rancheria		
Hanylekim Maidu		
Hungry Valley Community		
Ibapah Goshute Tribe	X	
Klamath Tribes		
Lovelock Indian Colony		
Pit River Tribe of California		
Pyramid Lake Paiute Tribe	X	X
Reno-Sparks Indian Colony		
South Fork Band		
Summit Lake Paiute Tribe	X	X
Susanville Indian Rancheria	X	X
Te-Moak Tribe of Western Shoshone		
Walker River Paiute Tribe	X	
Washoe Tribe	X	X
Wells Band		
Winnemucca Colony Council		

Agencies and Tribes Invited to be Cooperators	Agencies that Accepted	Agencies that Signed MOUs
Yerington Paiute Tribe		
Yomba Shoshone Tribe	X	
Other		
Nevada Mining Association	N/A	
Nevada National Association of Counties		

## 6.4. Public Involvement

Public involvement is a vital and legal component of both the LUPA and EIS processes. Public involvement vests the public in the decision-making process and allows for full environmental disclosure. Guidance for implementing public involvement under NEPA is codified in 40 CFR Part 1506.6, thereby ensuring that federal agencies make a diligent effort to involve the public in the NEPA process. Section 202 of the FLPMA directs the Secretary of the Interior to establish procedures for public involvement during land use planning actions on BLM-administered lands. These procedures can be found in the BLM's *Land Use Planning Handbook* (H-1601-1; BLM 2005a). Public involvement for the Nevada and Northeastern California Greater Sage-Grouse Sub-region LUPA/EIS includes the following:

- Public scoping before beginning NEPA analysis to determine the scope of issues and alternatives to be addressed in the LUPA/EIS
- Public outreach via newsletters and press releases throughout the LUPA/EIS process
- Collaboration with federal, state, local, and tribal governments, and cooperating agencies throughout the LUPA/EIS process
- Public review and comment on the draft LUPA/EIS
- Public review and comment on the final LUPA/EIS

### 6.4.1. Scoping Process

The formal public scoping process for the Nevada and Northeastern California Greater Sage-Grouse Sub-region LUPA/EIS began on December 9, 2011, with the publication of the notice of intent in the *Federal Register* (76 *Federal Register* 77008-77011). The notice of intent notified the public of the BLM's intent to prepare EISs and supplemental EISs to incorporate Greater Sage-Grouse conservation measures into LUPs; it also initiated the public scoping period. A notice of correction to the notice of intent was released on February 10, 2012 (77 *Federal Register* 7178-7179). The notice of correction extended the scoping period until March 23, 2012.

#### *Project Website*

The BLM launched a national GRSG conservation website as part of its efforts to maintain and restore GRSG habitat on public lands. The national website is available on the Internet at <http://www.blm.gov/wo/st/en/prog/more/sagegrouse.html>. The BLM has also launched a Great Basin regional website: <http://www.blm.gov/wo/st/en/prog/more/sagegrouse/western.html>. These sites are regularly updated to provide the public with the latest information about the planning process. The Great Basin website provides background information about the project,

a public involvement timeline, maps of the planning areas, and copies of public information documents and notice of intent. The dates and locations of scoping open houses were also announced on the Great Basin website.

### ***Press Release***

A press release was made available on the national and Great Basin region websites on December 8, 2011, announcing the scoping period for the EIS process. The Nevada and California BLM State Offices also distributed press releases on January 4, 2012, announcing the scoping period for the EIS process. The press releases provided information on the scoping open houses being held and described the various methods for submitting comments. A second press release was posted on the national and Great Basin websites on February 7, 2012, announcing the extension of the public scoping period to March 23, 2012. A third press release was issued on the national and Great Basin websites on February 9, 2012, announcing the addition of National Forests to the GRSg planning efforts.

### ***Public Scoping Open House***

The BLM hosted seven open houses to provide the public with an opportunity to become involved, learn about the project and the planning process, meet the planning team members, and offer comments. The open house was advertised via press release and the Great Basin website. The scoping meetings were held in an open house format to encourage participants to discuss concerns and questions with the BLM and other agency staff representatives. The location and date of the open houses were as follows:

- Tonopah, Nevada – January 9, 2012
- Ely, Nevada – January 10, 2012
- Elko, Nevada – January 11, 2012
- Winnemucca, Nevada – January 12, 2012
- Alturas, CA – January 18, 2012
- Susanville, CA – January 19, 2012
- Reno, Nevada – January 30, 2012

### ***Scoping Comments Received***

Detailed information about the comments received can be found in the *National Greater Sage-Grouse Planning Strategy Scoping Summary Report*, finalized in May 2012 (BLM 2012b). A total of 585 unique written submissions were received for the Great Basin region. Of these, 428 were specific to California and Nevada. The issues identified during public scoping and outreach are described in **Section 1.5.2**, Issues Identified for Consideration in the Nevada and Northeastern California Sub-Region Greater Sage-Grouse LUP Amendments, of this LUPA/EIS. These issues guided the development of alternative management strategies outlined in Chapter 2 of this LUPA/EIS.

## 6.4.2. Future Public Involvement

Public participation efforts will be ongoing throughout the remainder of the LUPA/EIS process. One substantial part of this effort is the opportunity for members of the public to comment on this draft LUPA/EIS during the comment period. The proposed LUPA/Final EIS will respond to all substantive comments received during the 90-day comment period. Records of Decision will then be issued by the BLM and the Forest Service after the release of the proposed LUPA/Final EIS, the Governor's Consistency Review, and any resolution of protests received on the proposed LUPA/Final EIS.

## 6.5. List of Preparers

This LUPA/EIS was prepared by an interdisciplinary team of staff from the BLM, Forest Service, and Environmental Management and Planning Solutions, Inc. (see **Table 6-2**, List of Preparers). In addition, staff from numerous federal, state, and local agencies, and nonprofit organizations contributed to developing the LUPA/EIS.

The following is a list of people that prepared or contributed to the development of the LUPA/EIS.

**Table 6.2. List of Preparers**

Name	Role/Responsibility
<b>BLM-Nevada</b>	
<i><b>Nevada State Office</b></i>	
Joe Tague	Branch Chief
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Chris Rose	Public Affairs
Dan Kozar	Lead GIS Specialist
Paul Roush	Contract Sage Grouse Wildlife Biologist
Sandra Brewer	Wildlife Biologist
Paul Petersen	Asst. Fire Management Officer
Sarah Peterson	Hydrologist
Mike Boomer	Fire Planner
Sandy Gregory	Fuels Management Specialist
Mark Coca	Weed Management Specialist
Alan Shepherd	Wild Horse and Burro Specialist
Robert Bunkall	GIS Specialist
Michael Schade	GIS Specialist
Scott Murrellwright	Geologist
Sheila Mallory	Geologist
Mike Tietmeyer	Range Management Program Lead
Mary Figarelle	Lead Realty Specialist
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Barb Keleher	Outdoor Recreation Planner
Leo Drumm	Outdoor Recreation Planner
Leisa Wesch	GIS Specialist
John Wilson	Wildlife Biologist/Healthy Landscapes
Dave Davis	Geologist
Lorenzo Trimble	Geologist
John Menghini	Petroleum Engineer
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<b>Name</b>	<b>Role/Responsibility</b>
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<b><i>Carson City District</i></b>	
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<b>Elko District</b>	
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<b>Winnemucca District</b>	
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<b>BLM-California</b>	
<b><i>Northern California District</i></b>	
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Arlene Kosic	Wildlife Biologist
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<b>BLM-National Operations Center</b>	
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Chris Colt	Wildlife Biologist
Madelyn Dillon	Land/ Special Uses
Dale Harber	Minerals
Pam Heavysage	NEPA Records Management
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Cory Norman	Fire/Fuels
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# Chapter 7. References

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# **Chapter 8. Acronyms and Glossary**

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## **8.1. Acronyms**

ADH all designated habitat

ACEC Area of Critical Environmental Concern

AML appropriate management level

AMP Allotment Management Plan

AMS analysis of the management situation

AOI Annual Operating Instructions

APD application for permit to drill

AQI air quality index

AQRV air quality related values

AUM animal unit month

BAPC Bureau of Air Pollution Control

BAQP Bureau of Air Quality Planning

BLM United States Department of the Interior, Bureau of Land Management

BLM S BLM Sensitive

BMP best management practice

°C degrees Celsius

C custodial management category

CA California

CAA Clean Air Act

CARB California Air Resources Board

CBR Central Basin and Range

CCDAQ Clark County, Health District, Air Pollution Control Division

CDFW California Department of Fish and Wildlife

CEC Commission for Environmental Cooperation

CEQ Council on Environmental Quality

CFL cycle first listed

CFR Code of Federal Regulations

cm Centimeter

CO carbon monoxide

CO<sub>2e</sub> carbon dioxide gross emissions

COA Conditions of Approval

COT Conservation Objectives Team

CSU controlled surface use

CTTM comprehensive travel and transportation management

CWA Clean Water Act

CWMA Cooperative Weed Management Area

DFC desired future condition

DOI United States Department of the Interior

EA environmental assessment

EDRR Early Detection, Rapid Response

EIS environmental impact statement

EPA United States Environmental Protection Agency

ERMA Extensive Recreation Management Area

ERS United States Department of Agriculture Economic Resource Service

ESA Endangered Species Act

ESD Ecological Site Description

ESR emergency stabilization and rehabilitation

°F degrees Fahrenheit

FARD functional at risk with downward trend

FARN functional at risk with no trend

FARU functional at risk with upward trend

FC Federal listed as a candidate species

FC (w) Federal candidate species warranted for listing

FE Federally listed as endangered

FERC Federal Energy Regulatory Commission

FLPMA Federal Land Policy and Management Act

FMP Fire Management Plan

FMU Fire Management Unit

Forest Service United States Department of Agriculture, Forest Service

FRCC Fire Regime Condition Class

FSH Forest Service Handbook

FSM Forest Service Manual

FT Federally listed as threatened

FWFMP Federal Wildland Fire Management Policy

FY fiscal year

GBBO Great Basin Bird Observatory

GHG greenhouse gas

GIS Geographic Information Systems

GRSG Greater Sage-Grouse

H<sub>2</sub>S hydrogen sulfide

HA herd area

HGWP high global warming potential

HMA herd management area

I improve management category

IM Instructional Memorandum

IMP Interim Management Plan

IMPLAN Impact analysis for Planning

IPCC Intergovernmental Panel on Climate Change

IMTs Nevada Interagency Incident Management Team

JEDI National Renewable Energy Laboratory's Jobs  
and Economic Development Impact model

kWh/m<sup>2</sup>/day kilowatt hours per square meter per day

LANDFIRE Landscape Fire and Resource Management Planning Tools Project

LCAPCD Lassen County Air Pollution Control District

LRMP land and resource management plan

LUP land use plan

LUPA land use plan amendment

LWCs Lands with Wilderness Characteristics

M maintain improvement category

MAFFS Modular Airborne Firefighting System

MIS Management Indicator Species

MCF thousand cubic feet

g/m<sup>3</sup> micrograms per cubic meter

MCAPCD Modoc County Air Pollution Control District

MDEQ Montana Department of Environmental Quality

MDFWP Montana Department of Fish, Wildlife and Parks

MFP Monitoring Framework Plan

MOU memorandum of understanding

MTNHP Montana Natural Heritage Program

MW megawatt

NAAQS National Ambient Air Quality Standards

NBR Northern Basin and Range

NCA National Conservation Area

NDOW Nevada Department of Wildlife

NEPA National Environmental Policy Act

NFDRS National Fire Danger Rating System

NFMA National Forest Management Act

NHT national historic trail

NO<sub>2</sub> nitrogen dioxide

NO<sub>x</sub> nitrogen oxides

NRCS Natural Resources Conservation Service

NSO no surface occupancy

NTT Sage-Grouse National Technical Team

NV Nevada

NVUM National Visitor Use Monitoring

NWAP Nevada Wildlife Action Plan

O<sub>3</sub> ozone

OHV off-highway vehicle

ONA outstanding natural area

ONRR Office of Natural Resource Revenue

ORV outstanding remarkable values

PACs priority areas for conservation

Pb lead

PEIS Programmatic Environmental Impact Statement

PFC proper functioning condition

PGH preliminary general habitat

PGMA preliminary general management area

PILT payment in lieu of taxes

PLO Public Land Order

PM<sub>2.5</sub> particulate matter with a diameter less than or equal to 2.5 microns

PM<sub>10</sub> particulate matter with a diameter less than or equal to 10 microns

PMA-3 Nevada Sagebrush Ecosystem Mitigation Bank Program

PMU Population Management Units

ppb parts per billion

PPH preliminary priority habitat

ppm parts per million

PPMA preliminary priority management area

RAC Resource Advisory Council

RDFs required design features

REA Rapid Ecoregional Assessment

RFDS Reasonable Foreseeable Development Scenario

RMIS Recreation Management Information System

RMP resource management plan

RNA research natural area

ROD record of decision

ROS Recreation Opportunity Spectrum

ROW right-of-way

RSUA Recreation Special Use Authorization

S&G standards and guidelines

SC State listed as species of special concern (no legal status)

SE State listed as endangered

SGMA sage-grouse management area (Nevada State Alternative)

SO<sub>2</sub> sulfur dioxide

SO<sub>4</sub><sup>2-</sup> sulfates

SOP standard operating procedure

SUP Special Use Permit

SRMA Special Recreation Management Area

SRP Special Recreation Permit

SRU special recreational use

ST state listed as threatened

SUA Special Use Authorization

TL timing limitation

TMA Travel Management Area

TNC The Nature Conservancy

TNR temporary nonrenewable

TTM Travel and Transportation Management

US United States

USAF US Air Force

USC United States Code

USDA United States Department of Agriculture

USDA-APHIS United States Department of Agriculture

Animal and Plant Health Inspection Service

USFWS United States Fish and Wildlife Service  
USG Unhealthy for Sensitive Groups  
USGS US Geological Survey  
VDDT Vegetation Dynamics Development Tool  
VMS Visual Management System  
VOC volatile organic compounds  
VRI visual resource inventory  
VRM visual resource management  
WAFWA Western Association of Fish and Wildlife Agencies  
WCAQMD Washoe County Air Quality Management Division  
WEG Wild Earth Guardians  
WHBT wild horse and burro territories  
WSA Wilderness Study Area  
WSR Wild and Scenic River  
WUI wildland urban interface  
WWEC West-Wide Energy Corridor  
WWP Western Watershed Project

## 8.2. Glossary

**2008 WAFWA Sage-grouse MOU.** A memorandum of understanding (MOU) among Western Association of Fish and Wildlife Agencies (WAFWA); US Department of Agriculture, Forest Service; US Department of the Interior, Bureau of Land Management (BLM); US Department of the Interior, Fish and Wildlife Service (USFWS); US Department of the Interior, Geological Survey (USGS); US Department of Agriculture, Natural Resources Conservation Service (NRCS); and the US Department of Agriculture, Farm Service Agency. The purpose of the MOU is to provide for cooperation among the participating state and federal land, wildlife management and science agencies in the conservation and management of sage-grouse (*Centrocercus urophasianus*) sagebrush (*Artemisia* spp.) habitats and other sagebrush-dependent wildlife throughout the western US and Canada and a commitment of all agencies to implement the 2006 WAFWA Conservation Strategy.

**2011 Partnership MOU:** A partnership agreement among the United States Department of Agriculture, Natural Resources Conservation Service, Forest Service, United States Department of the Interior, Bureau of Land Management, and USFWS in 2011. This MOU is for range management – to implement Natural Resources Conservation Service practices on adjacent federal properties.

**Acquisition.** Acquisition of lands can be pursued to facilitate various resource management objectives. Acquisitions, including easements, can be completed through exchange, Land and Water Conservation Fund purchases, donations, or receipts from the Federal Land Transaction Facilitation Act sales or exchanges.

**Activity plan.** A type of implementation plan (see *Implementation plan*); an activity plan usually describes multiple projects and applies best management practices to meet land use plan objectives. Examples of activity plans include interdisciplinary management plans, habitat management plans, recreation area management plans, and grazing plans.

**Actual use.** The amount of animal unit months consumed by livestock based on the numbers of livestock and grazing dates submitted by the livestock operator and confirmed by periodic field checks by the BLM.

**Adaptive management.** A type of natural resource management in which decisions are made as part of an ongoing science-based process. Adaptive management involves testing, monitoring, and evaluating applied strategies, and incorporating new knowledge into management approaches that are based on scientific findings and the needs of society. Results are used to modify management policy, strategies, and practices.

**Administrative access.** A term used to describe access for resource management and administrative purposes such as fire suppression, cadastral surveys, permit compliance, law enforcement and military in the performance of their official duty, or other access needed to manage BLM- or Forest Service-administered lands or uses.

**Air basin.** A land area with generally similar meteorological and geographic conditions throughout. To the extent possible, air basin boundaries are defined along political boundary lines and include both the source and receptor areas.

**Air pollution.** Degradation of air quality resulting from unwanted chemicals or other materials occurring in the air.

**All designated habitat (ADH).** Includes preliminary priority habitat (PPH), preliminary general habitat (PGH), and linkage/connectivity habitat.

**Allotment.** An area of land in which one or more livestock operators graze their livestock. Allotments generally consist of BLM lands but may include Forest Service-administered lands or other federally managed, state-owned, or private lands. An allotment may include or more separate pastures. Livestock numbers and periods of use are specified for each allotment.

**Allotment management plan.** A concisely written program of livestock grazing management, including supportive measures if required, designed to attain specific, multiple-use management goals in a grazing allotment. An AMP is prepared in consultation with the permittee(s), lessee(s), and other affected interests. Livestock grazing is considered in relation to other uses of the range and to renewable resources, such as watershed, vegetation, and wildlife. An AMP establishes seasons of use, the number of livestock to be permitted, the range improvements needed, and the grazing system.

**Alluvial soil.** A soil developing from recently deposited alluvium and exhibiting essentially no horizon development or modification of the recently deposited materials.

**Alluvium.** Clay, silt, sand, gravel, or other rock materials transported by moving water. Deposited in comparatively recent geologic time as sorted or semi-sorted sediment in rivers, floodplains, lakes, and shores, and in fans at the base of mountain slopes.

**Ambient air quality.** The state of the atmosphere at ground level as defined by the range of measured and/or predicted ambient concentrations of all significant pollutants for all averaging periods of interest.

**Amendment.** The process for considering or making changes in the terms, conditions, and decisions of approved Resource Management Plans or management framework plans. Usually only one or two issues are considered that involve only a portion of the planning area.

**Animal unit month (AUM).** The amount of forage necessary for the sustenance of one cow or its equivalent for a period of one month.

**Anthropogenic disturbances.** Features include but are not limited to paved highways, graded gravel roads, transmission lines, substations, wind turbines, oil and gas wells, geothermal wells and associated facilities, pipelines, landfills, agricultural conversion, homes, and mines.

**Aquatic.** Living or growing in or on the water.

**Area of Critical Environmental Concern (ACEC).** Special Area designation established through the BLM's land use planning process (43 CFR 1610.7-2) where special management attention is required (when such areas are developed or used or where no development is required) to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources, or other natural systems or processes, or to protect life and safety from natural hazards. The level of allowable use within an ACEC is established through the collaborative planning process. Designation of an ACEC allows for resource use limitations in order to protect identified resources or values.

**Atmospheric deposition.** Air pollution produced when acid chemicals are incorporated into rain, snow, fog, or mist and fall to the earth. Sometimes referred to as "acid rain" and comes from sulfur oxides and nitrogen oxides, products of burning coal and other fuels and from certain industrial processes. If the acid chemicals in the air are blown into the area where the weather is wet, the acids can fall to earth in the rain, snow, fog, or mist. In areas where the weather is dry, the acid chemicals may become incorporated into dust or smoke.

**Attainment area.** A geographic area in which levels of a criteria air pollutant meet the health-based National Ambient Air Quality Standard for that specific pollutant.

**Authorized /authorized use.** This is an activity (i.e., resource use) occurring on the public lands that is either explicitly or implicitly recognized and legalized by law or regulation. This term may refer to those activities occurring on the public lands for which the BLM, Forest Service, or other appropriate authority (e.g., Congress for RS 2477 rights-of-way, FERC for major, interstate rights-of-way), has issued a formal authorization document (e.g., livestock grazing lease/permit; right-of-way grant; coal lease; oil and gas permit to drill; etc.). Formally authorized uses typically involve some type of commercial activity, facility placement, or event. These formally authorized uses are often spatially or temporally limited. Unless constrained or bounded by statute, regulation, or an approved land use plan decision, legal activities involving public enjoyment and use of the public lands (e.g., hiking, camping, hunting, etc.) require no formal BLM or Forest Service authorization.

**Avoidance/avoidance area.** These terms usually address mitigation of some activity (i.e., resource use). Paraphrasing the CEQ Regulations (40 CFR 1508.20), avoidance means to circumvent, or bypass, an impact altogether by not taking a certain action, or parts of an action. Therefore, the term "avoidance" does not necessarily prohibit a proposed activity, but it may require the relocation of an action, or the total redesign of an action to eliminate any potential impacts resulting from it. Also see "*right-of-way avoidance area*" definition.

**Best Management Practices (BMPs):** A suite of techniques that guide or may be applied to management actions to aide in achieving desired outcomes. BMPs are often developed in conjunction with land use plans, but they are not considered a planning decision unless the plans specify that they are mandatory.

**Big game.** Indigenous, ungulate (hoofed) wildlife species that are hunted, such as elk, deer, bison, bighorn sheep, and pronghorn antelope.

**Biodiversity (biological diversity).** The variety of life and its processes, and the interrelationships within and among various levels of ecological organization. Conservation, protection, and restoration of biological species and genetic diversity are needed to sustain the health of existing biological systems. Federal resource management agencies must examine the implications of management actions and development decisions on regional and local biodiversity.

**Biological soil crust.** A complex association between soil particles and cyanobacteria, algae, microfungi, lichens, and bryophytes that live within or atop the uppermost millimeters of soil.

**BLM Sensitive Species.** Those species that are not federally listed as endangered, threatened, or proposed under the Endangered Species Act, but that are designated by the BLM State Director under 16 USC 1536(a)(2) for special management consideration. By national policy, federally listed candidate species are automatically included as sensitive species. Sensitive species are managed so they will not need to be listed as proposed, threatened, or endangered under the Endangered Species Act.

**Candidate species.** Taxa for which the USFWS has sufficient information on their status and threats to propose the species for listing as endangered or threatened under the Endangered Species Act, but for which issuance of a proposed rule is currently precluded by higher priority listing actions. Separate lists for plants, vertebrate animals, and invertebrate animals are published periodically in the Federal Register (BLM Manual 6840, Special Status Species Manual).

**Casual Use.** Casual use means activities ordinarily resulting in no or negligible disturbance of the public lands, resources, or improvements. For examples for rights of ways see 43 CFR 2801.5. For examples for locatable minerals see 43 CFR 3809.5.

**Categorical exclusion.** A category of actions (identified in agency guidance) that do not individually or cumulatively have a significant effect on the human environment, and for which neither an environmental assessment nor an environmental impact statement is required (40 CFR 1508.4), but a limited form of NEPA analysis is performed.

**Checkerboard.** This term refers to a land ownership pattern of alternating sections of federally owned lands with private- or state-owned lands for 20 miles on either side of a land grant railroad (e.g., Union Pacific, Northern Pacific, etc.). On land status maps this alternating ownership is either delineated by color coding or alphabetic code resulting in a "checkerboard" visual pattern.

**Chemical vegetation treatment.** Application of herbicides to control invasive species/noxious weeds and/or unwanted vegetation. To meet resource objectives the preponderance of chemical treatments would be used in areas where cheatgrass or noxious weeds have invaded sagebrush steppe.

**Clean Air Act of 1963 (as amended).** Federal legislation governing air pollution control.

**Clean Water Act of 1972 (as amended).** Federal legislation governing water pollution control.

**Climate change.** Any significant change in measures of climate (such as temperature, precipitation, or wind) lasting for an extended period (decades or longer). Climate change may result from:

- natural factors, such as changes in the sun's intensity or slow changes in the Earth's orbit around the sun;
- natural processes within the climate system (e.g., changes in ocean circulation); and
- human activities that change the atmosphere's composition (e.g., driving automobiles) and the land surface (e.g., deforestation, reforestation, urbanization, desertification, etc.).

**Closed area.** An area where one or more uses are prohibited either temporarily or over the long term. Areas may be closed to uses such as, but not limited to, off-road vehicles, mineral leasing, mineral or vegetative material collection, or target shooting. In off-road vehicle use closed areas, motorized and mechanized off-road vehicle use is prohibited. Use of motorized and mechanized off-road vehicles in closed areas may be allowed for certain reasons; however, such use shall be made only with the approval of the authorized officer (43 CFR 8340.0-5).

**Collaboration.** A cooperative process in which interested parties, often with widely varied interests, work together to seek solutions with broad support for managing public and other lands. Collaboration may take place with any interested parties, whether or not they are a cooperating agency.

**Communications site corridor.** A collection of communications sites or facilities along a route that provides continuous radio coverage along the route and that is usually associated with cellular wireless technology. (FSH 2709.11-Communication Site Management, 90.5-Definitions)

**Comprehensive trails and travel management.** The proactive interdisciplinary planning; on-the-ground management and administration of travel networks (both motorized and non-motorized) to ensure public access, natural resources, and regulatory needs are considered. It consists of inventory, planning, designation, implementation, education, enforcement, monitoring, easement acquisition, mapping and signing, and other measures necessary to provide access to public lands for a wide variety of uses (including uses for recreational, traditional, casual, agricultural, commercial, educational, landing strips, and other purposes).

**Condition class (fire regimes).** Fire regime condition classes are a measure describing the degree of departure from historical fire regimes, possibly resulting in alterations of key ecosystem components, such as species composition, structural stage, stand age, canopy closure, and fuel loadings. One or more of the following activities may have caused this departure: fire suppression, timber harvesting, livestock grazing, introduction and establishment of exotic plant species, introduced insects or disease, or other management activities.

**Conditions of Approval.** Additional requirements associated with an approved Application for Permit to Drill for a federal leasable mineral to ensure environmental protection, safety, and/or conservation of the mineral resource.

**Conformance.** A proposed action shall be specifically provided for in the land use plan or, if not specifically mentioned, shall be clearly consistent with the goals, objectives, or standards of the approved land use plan.

**Conservation measures.** Measures to conserve, enhance, and/or restore Greater Sage-Grouse habitat by reducing, eliminating, or minimizing threats to that habitat.

**Conservation plan.** The recorded decisions of a landowner or operator, cooperating with a conservation district, on how the landowner or operator plans, within practical limits, to use his/her land according to its capability and to treat it according to its needs for maintenance or improvement of the soil, water, animal, plant, and air resources.

**Conservation strategy.** A strategy outlining current activities or threats that are contributing to the decline of a species, along with the actions or strategies needed to reverse or eliminate such a decline or threats. Conservation strategies are generally developed for species of plants and animals that are designated as BLM sensitive species or that have been determined by the USFWS or National Oceanographic and Atmospheric Administration-Fisheries to be federal candidates under the ESA.

**Controlled surface use (CSU).** CSU is a category of moderate constraint stipulations that allows some use and occupancy of public land while protecting identified resources or values and is applicable to fluid mineral leasing and all activities associated with fluid mineral leasing (e.g., truck-mounted drilling and geophysical exploration equipment off designated routes, construction of wells and/or pads). CSU areas are open to fluid mineral leasing but the stipulation allows the BLM to require special operational constraints, or the activity can be shifted more than 200 meters (656 feet) to protect the specified resource or value.

**Cooperating agency.** Assists the lead federal agency in developing an environmental assessment or environmental impact statement. These can be any agency with jurisdiction by law or special expertise for proposals covered by NEPA (40 CFR 1501.6). Any tribe or Federal, State, or local government jurisdiction with such qualifications may become a cooperating agency by agreement with the lead agency.

**Council on Environmental Quality.** An advisory council to the President of the US established by the National Environmental Policy Act of 1969. It reviews federal programs to analyze and interpret environmental trends and information.

**Criteria pollutant.** The US EPA uses six “criteria pollutants” as indicators of air quality, and has established for each of them a maximum concentration above which adverse effects on human health may occur. These threshold concentrations are called National Ambient Air Quality Standards. The criteria pollutants are ozone, carbon monoxide, nitrogen dioxide, sulfur dioxide, particulate matter and lead.

**Crucial wildlife habitat.** The environment essential to plant or animal biodiversity and conservation at the landscape level. Crucial habitats include, but are not limited to, biological core areas, severe winter range, winter concentration areas, reproduction areas, and movement corridors.

**Cultural resources.** Locations of human activity, occupation, or use. Cultural resources include archaeological, historic, or architectural sites, structures, or places with important public and scientific uses, and locations of traditional cultural or religious importance to specified social and/or cultural groups.

**Cumulative effects.** The direct and indirect effects of a proposed project alternative's incremental impacts when they are added to other past, present, and reasonably foreseeable actions, regardless of who carries out the action.

**Decision area.** Public lands and mineral estate within the planning area that are encompassed by all designated habitat (ADH) (which includes preliminary priority habitat [PPH], preliminary general habitat [PGH], and linkage/connectivity habitat).

**Deferred/deferred use:** To set-aside, or postpone, a particular resource use(s) or activity(ies) on the public lands to a later time. Generally when this term is used the period of the deferral is specified. Deferments sometimes follow the sequence timeframe of associated serial actions (e.g., action B will be deferred until action A is completed, etc.).

**Degraded vegetation.** Areas where the plant community is not complete or is under threat. Examples include missing components such as perennial forbs or cool season grasses, weed infestations, or lack of regeneration of key species such as sagebrush or cottonwoods trees.

**Designated roads and trails.** Specific roads and trails identified by the BLM or Forest Service where some type of motorized/nonmotorized use is appropriate and allowed, either seasonally or year-long (H-1601-1, BLM Land Use Planning Handbook).

**Desired future condition.** For rangeland vegetation, the condition of rangeland resources on a landscape scale that meet management objectives. It is based on ecological, social, and economic considerations during the land planning process. It is usually expressed as ecological status or management status of vegetation (species composition, habitat diversity, and age and size class of species) and desired soil qualities (soil cover, erosion, and compaction). In a general context, desired future condition is a portrayal of the land or resource conditions that are expected to result if goals and objectives are fully achieved.

**Desired outcomes.** A type of land use plan decision expressed as a goal or objective.

**Direct impacts.** Direct impacts are caused by an action or implementation of an alternative and occur at the same time and place.

**Directional drilling.** A drilling technique whereby a well is deliberately deviated from the vertical in order to reach a particular part of the oil- or gas-bearing reservoir. Directional drilling technology enables the driller to steer the drill stem and bit to a desired bottom hole location. Directional wells initially are drilled straight down to a predetermined depth and then gradually curved at one or more different points to penetrate one or more given target reservoirs. This specialized drilling usually is accomplished with the use of a fluid-driven downhole motor, which turns the drill bit. Directional drilling also allows multiple production and injection wells to be drilled from a single surface location such as a gravel pad, thus minimizing cost and the surface impact of oil and gas drilling, production, and transportation facilities. It can be used to reach a target located beneath an environmentally sensitive area (Alaska Department of Natural Resources, Division of Oil and Gas 2009).

**Disposal lands.** Transfer of public land out of federal ownership to another party through sale, exchange, Recreation and Public Purposes Act of 1926, Desert Land Entry or other land law statutes.

**Disruptive activities.** Those public land resource uses/activities that are likely to alter the behavior, displace, or cause excessive stress to existing animal or human populations occurring at a specific location and/or time. In this context, disruptive activity(ies) refers to those actions that alter behavior or cause the displacement of individuals such that reproductive success is negatively affected, or an individual's physiological ability to cope with environmental stress is compromised. This term does not apply to the physical disturbance of the land surface, vegetation, or features. When administered as a land use restriction (e.g., *No Disruptive Activities*), this term may prohibit or limit the physical presence of sound above ambient levels, light beyond background levels, and/or the nearness of people and their activities. The term is commonly used in conjunction with protecting wildlife during crucial life stages (e.g., breeding, nesting, birthing, etc.), although it could apply to any resource value on the public lands. The use of this land use restriction is not intended to prohibit all activity or authorized uses.

**Diversity.** The relative abundance of wildlife species, plant species, communities, habitats, or habitat features per unit of area.

**Easement.** A right afforded a person or agency to make limited use of another's real property for access or other purposes.

**Ecological Site.** A distinctive kind of land with specific physical characteristics that differs from other kinds of land in its ability to produce a distinctive kind and amount of vegetation.

**Emergency stabilization.** Planned actions to stabilize and prevent unacceptable degradation to natural and cultural resources, to minimize threats to life or property resulting from the effects of a fire, or to repair/replace/construct physical improvements necessary to prevent degradation of land or resources. Emergency stabilization actions must be taken within one year following containment of a wildfire.

**Endangered species.** Any species that is in danger of extinction throughout all or a significant portion of its range. Under the Endangered Species Act in the US, "endangered" is the more-protected of the two categories. Designation as endangered (or threatened) is determined by USFWS as directed by the Endangered Species Act (16 USC 1531-1544).

**Endangered Species Act of 1973 (as amended).** Designed to protect critically imperiled species from extinction as a consequence of economic growth and development untempered by adequate concern and conservation. The Act is administered by two federal agencies, USFWS and the National Oceanic and Atmospheric Administration. The purpose of the Act is to protect species and also the ecosystems upon which they depend (16 US Code 1531-1544).

**Enhance.** The improvement of habitat by increasing missing or modifying unsatisfactory components and/or attributes of the plant community to meet sage-grouse objectives.

**Environmental assessment.** A concise public document prepared to provide sufficient evidence and analysis for determining whether to prepare an environmental impact statement or a finding of no significant impact. It includes a brief discussion of the need for the proposal, alternatives considered, environmental impact of the proposed action and alternatives, and a list of agencies and individuals consulted.

**Environmental impact statement (EIS).** A detailed statement prepared by the responsible official in which a major federal action that significantly affects the quality of the human environment is described, alternatives to the proposed action are provided, and effects are analyzed (BLM National Management Strategy for OHV Use on Public Lands).

**Evaluation (plan evaluation).** The process of reviewing the land use plan and the periodic plan monitoring reports to determine whether the land use plan decisions and National Environmental Policy Act of 1969 analysis are still valid and whether the plan is being implemented.

**Exchange.** A transaction whereby the federal government receives land or interests in land in exchange for other land or interests in land.

**Exclusion Areas.** An area on the public lands where a certain activity(ies) is prohibited to insure protection of other resource values present on the site. The term is frequently used in reference to lands/realty actions and proposals (e.g., rights-of-way, etc.), but is not unique to lands and realty program activities. This restriction is functionally analogous to the phrase "no surface occupancy" used by the oil and gas program, and is applied as an absolute condition to those affected activities. The less restrictive analogous term is avoidance area. Also see "*right-of-way exclusion area*" definition.

**Exemplary (vegetation).** An area of vegetation that does not show signs of degradation and which may serve as a comparison to illustrate what the vegetation potential is for a given type of environment. Exemplary vegetation meets A-ranked viability criteria as described by the Colorado Natural Heritage Program.

**Existing routes.** The roads, trails, or ways that are used by motorized vehicles (jeeps, all-terrain vehicles, motorized dirt bikes, etc.), mechanized uses (mountain bikes, wheelbarrows, game carts), pedestrians (hikers), and/or equestrians (horseback riders) and are, to the best of BLM's knowledge, in existence at the time of RMP/EIS publication.

**Exploration.** Active drilling and geophysical operations to:

- a. Determine the presence of the mineral resource; or
- b. Determine the extent of the reservoir or mineral deposit.

**Extensive recreation management area (ERMA).** Administrative units that require specific management consideration in order to address recreation use, demand, or Recreation and Visitor Services program investments. ERMAs are managed to support and sustain the principal recreation activities and the associated qualities and conditions of the ERMA. ERMA management is commensurate and considered in context with the management of other resources and resource uses.

**Federal Land Policy and Management Act of 1976 (FLPMA).** Public Law 94-579, October 21, 1976, often referred to as the BLM's "Organic Act," which provides most of the BLM's legislated authority, direction policy, and basic management guidance.

**Federal mineral estate.** Subsurface mineral estate owned by the US and administered by the BLM. Federal mineral estate under BLM jurisdiction is composed of mineral estate underlying BLM lands, privately owned lands, and state-owned lands

**Fire frequency.** A general term referring to the recurrence of fire in a given area over time.

**Fire management plan (FMP).** A plan that identifies and integrates all wildland fire management and related activities within the context of approved land/resource management plans. It defines a program to manage wildland fires (wildfire, prescribed fire, and wildland fire use). The plan is supplemented by operational plans including, but not limited to, preparedness plans, preplanned dispatch plans, and prevention plans. Fire Management Plans assure that wildland fire management goals and components are coordinated.

**Fire Regime Condition Classification System (FRCCS).** Measures the extent to which vegetation departs from reference conditions, or how the current vegetation differs from a particular reference condition.

**Fire suppression.** All work and activities connected with control and fire-extinguishing operations, beginning with discovery and continuing until the fire is completely extinguished.

**Fluid minerals.** Oil, gas, coal bed natural gas, and geothermal resources.

**Forage.** All browse and herbaceous foods that are available to grazing animals.

**Forage base.** The amount of vegetation available for wildlife and livestock use.

**Fragile soils.** Soils having a shallow depth to bedrock, minimal surface layer of organic material, textures that are more easily detached and eroded, or are on slopes over 35 percent.

**Fugitive dust.** Significant atmospheric dust arises from the mechanical disturbance of granular material exposed to the air. Dust generated from these open sources is termed "fugitive" because it is not discharged to the atmosphere in a confined flow stream. Common sources of fugitive dust include unpaved roads, agricultural tilling operations, aggregate storage piles, and heavy construction operations.

**General sage-grouse habitat.** Is occupied (seasonal or year-round) habitat outside of priority habitat. These areas have been identified by the BLM and Forest Service in coordination with respective state wildlife agencies.

**Geographic Information System (GIS).** A system of computer hardware, software, data, people, and applications that capture, store, edit, analyze, and display a potentially wide array of geospatial information.

**Geophysical exploration.** Efforts to locate deposits of oil and gas resources and to better define the subsurface.

**Geothermal energy.** Natural heat from within the Earth captured for production of electric power, space heating, or industrial steam.

**Goal.** A broad statement of a desired outcome; usually not quantifiable and may not have established timeframes for achievement.

**Grandfathered right.** The right to use in a non-conforming manner due to existence prior to the establishment of conforming terms and conditions.

**Grazing preference.** Grazing preference or preference means a superior or priority position against others for the purpose of receiving a grazing permit or lease. This priority is attached to base property owned or controlled by the permittee or lessee. (43 CFR 4100.0-5).

**Grazing system.** Scheduled grazing use and non-use of an allotment to reach identified goals or objectives by improving the quality and quantity of vegetation. Include, but are not limited to, developing pastures, utilization levels, grazing rotations, timing and duration of use periods, and necessary range improvements.

**Groundwater.** Water held underground in soil or permeable rock, often feeding springs and wells.

**Guidelines (BLM).** Actions or management practices that may be used to achieve desired outcomes, sometimes expressed as BMPs. Guidelines may be identified during the land use planning process, but they are not considered a land use plan decision unless the plan specifies that they are mandatory. Guidelines for grazing administration must conform to 43 CFR 4180.2.

**Guidelines (Forest Service).** A constraint on decision-making that allows for departure from its terms, as long as the purpose of the guideline is met.

**Habitat.** An environment that meets a specific set of physical, biological, temporal, or spatial characteristics that satisfy the requirements of a plant or animal species or group of species for part or all of their life cycle.

**Hazardous material.** A substance, pollutant, or contaminant that, due to its quantity, concentration, or physical or chemical characteristics, poses a potential hazard to human health and safety or to the environment if released into the workplace or the environment.

**Communication site.** Sites that include broadcast types of uses (e.g., television, AM/FM radio, cable television, broadcast translator) and non-broadcast uses (e.g., commercial or private mobile radio service, cellular telephone, microwave, local exchange network, passive reflector).

**Impact.** The effect, influence, alteration, or imprint caused by an action.

**Impairment.** The degree to which a distance of clear visibility is degraded by man-made pollutants.

**Implementation decisions.** Decisions that take action to implement land use planning; generally appealable to Interior Board of Land Appeals under 43 CFR 4.410.

**Implementation plan.** An area or site-specific plan written to implement decisions made in a land use plan. Implementation plans include both activity plans and project plans.

**Indicators.** Factors that describe resource condition and change and can help the BLM and Forest Service determine trends over time.

**Indirect impacts.** Indirect impacts result from implementing an action or alternative but usually occur later in time or are removed in distance and are reasonably certain to occur.

**Intermittent stream.** An intermittent stream is a stream that flows only at certain times of the year when it receives water from springs or from some surface sources such as melting snow in mountainous areas. During the dry season and throughout minor drought periods, these streams will not exhibit flow. Geomorphological characteristics are not well defined and are often inconspicuous. In the absence of external limiting factors, such as pollution and thermal modifications, species are scarce and adapted to the wet and dry conditions of the fluctuating water level.

**Invertebrate.** An animal lacking a backbone or spinal column, such as insects, snails, and worms. The group includes 97 percent of all animal species.

**Key wildlife ecosystems.** Specific areas within the geographic area occupied by a species in which are found those physical and biological features 1) essential to the conservation of the species, and 2) which may require special management considerations or protection.

**Land health condition.** A classification for land health which includes these categories: “Meeting Land Health Standard(s)” and “Not Meeting Land Health Standard(s)”.

- Meeting Land Health Standard(s): Lands for which health indicators are currently in acceptable condition such that basic levels of ecological processes and functions are in place. This rating includes the following subcategories:
  - Fully Meeting Standard(s): Lands for which there are no substantive concerns with health indicators
  - Exceeding Standard(s): Lands for which health indicators are in substantially better conditions than acceptable levels.
  - Meeting Standard(s) with Problems: Lands which have one or more concerns with health indicators to the degree that they are categorized as meeting the Land Health Standards, but have some issues which make them at risk of becoming “not meeting.”
- Not Meeting Land Health Standard(s): Lands for which one or more health indicators are in unacceptable conditions such that basic levels of ecological processes and functions are no longer in place.

Land health trend is used to describe these classes further. It includes these categories: upward, static, and downward.

- Upward Trend: lands which have shown improving indicator conditions over time.
- Static Trend: lands which have shown no clear improvement or decline in indicator conditions over time.
- Downward Trend: lands which have shown declining indicator conditions over time.

**Land tenure adjustments.** Land ownership or jurisdictional changes. To improve the manageability of the BLM lands and their usefulness to the public, the BLM has numerous authorities for repositioning lands into a more consolidated pattern, disposing of lands, and entering into cooperative management agreements. These land pattern improvements are completed primarily through the use of land exchanges but also through land sales, through jurisdictional transfers to other agencies, and through the use of cooperative management agreements and leases.

**Land treatment.** All methods of artificial range improvement arid soil stabilization such as reseeded, brush control (chemical and mechanical), pitting, furrowing, water spreading, etc.

**Land use allocation.** The identification in a land use plan of the activities and foreseeable development that are allowed, restricted, or excluded for all or part of the planning area, based on desired future conditions (H-1601-1, BLM Land Use Planning Handbook).

**Land use plan.** A set of decisions that establish management direction for land within an administrative area, as prescribed under the planning provisions of FLPMA; an assimilation of land use plan level decisions developed through the planning process outlined in 43 CFR 1600, regardless of the scale at which the decisions were developed. The term includes both RMPs and management framework plans (from H-1601-1, BLM Land Use Planning Handbook).

**Land use plan decision.** Establishes desired outcomes and actions needed to achieve them. Decisions are reached using the planning process in 43 CFR 1600. When they are presented to the public as proposed decisions, they can be protested to the BLM Director. They are not appealable to Interior Board of Land Appeals.

**Late brood-rearing area.** Habitat includes mesic sagebrush and mixed shrub communities, wet meadows, and riparian habitats as well as some agricultural lands (e.g. alfalfa fields, etc.).

**Leasable minerals.** Those minerals or materials designated as leasable under the Mineral Leasing Act of 1920. These include energy-related mineral resources such as oil, natural gas, coal, and geothermal, and some non-energy minerals, such as phosphate, sodium, potassium, and sulfur. Geothermal resources are also leasable under the Geothermal Steam Act of 1970.

**Lease.** Section 302 of the Federal Land Policy and Management Act of 1976 provides the BLM's authority to issue leases for the use, occupancy, and development of public lands. Leases are issued for purposes such as a commercial filming, advertising displays, commercial or noncommercial croplands, apiaries, livestock holding or feeding areas not related to grazing permits and leases, native or introduced species harvesting, temporary or permanent facilities for commercial purposes (does not include mining claims), residential occupancy, ski resorts, construction equipment storage sites, assembly yards, oil rig stacking sites, mining claim occupancy if the residential structures are not incidental to the mining operation, and water pipelines and well pumps related to irrigation and nonirrigation facilities. The regulations establishing procedures for processing these leases and permits are found in 43 CFR 2920.

**Lease stipulation.** A modification of the terms and conditions on a standard lease form at the time of the lease sale.

**Lek.** A traditional courtship display area attended by male sage-grouse in or adjacent to sagebrush dominated habitat. A lek is designated based on observations of two or more male sage-grouse engaged in courtship displays. Sub-dominant males may display on itinerant strutting areas during population peaks. Such areas usually fail to become established leks. Therefore, a site where less than five males are observed strutting should be confirmed active for two years before meeting the definition of a lek (Connelly et al 2000, Connelly et al. 2003, 2004). Each state may have a slightly different definition of lek, active lek, inactive lek, occupied lek, and unoccupied leks. Regional planning will use the appropriate definition provided by the state of interest.

**Lek Complex.** A lek or group of leks within 2.5 km (1.5 mi) of each other between which male sage-grouse may interchange from one day to the next. Fidelity to leks has been well documented. Visits to multiple leks are most common among yearlings and less frequent for adult males, suggesting an age-related period of establishment (Connelly et al. 2004).

**Active Lek.** Any lek that has been attended by male sage-grouse during the strutting season.

**Inactive Lek.** Any lek where sufficient data suggests that there was no strutting activity throughout a strutting season. Absence of strutting grouse during a single visit is insufficient

documentation to establish that a lek is inactive. This designation requires documentation of either: 1) an absence of sage-grouse on the lek during at least 2 ground surveys separated by at least seven days. These surveys must be conducted under ideal conditions (April 1–May 7 (or other appropriate date based on local conditions), no precipitation, light or no wind, half-hour before sunrise to one hour after sunrise) or 2) a ground check of the exact known lek site late in the strutting season (after April 15) that fails to find any sign (tracks, droppings, feathers) of strutting activity. Data collected by aerial surveys should not be used to designate inactive status as the aerial survey may actually disrupt activities.

**Occupied Lek.** A lek that has been active during at least one strutting season within the prior 10 years.

**Unoccupied Lek.** A lek that has either been “destroyed” or “abandoned.”

**Destroyed Lek.** A formerly active lek site and surrounding sagebrush habitat that has been destroyed and is no longer suitable for sage-grouse breeding.

**Abandoned Lek.** A lek in otherwise suitable habitat that has not been active during a period of 10 consecutive years. To be designated abandoned, a lek must be “inactive” (see above criteria) in at least four non-consecutive strutting seasons spanning the 10 years. The site of an “abandoned” lek should be surveyed at least once every 10 years to determine whether it has been re-occupied by sage-grouse.

**Lentic.** Pertaining to standing water, such as lakes and ponds.

**Linkage Habitat (connectivity/linkage areas, linkages).** Areas that have been identified as broader regions of connectivity important to facilitate the movement of Greater Sage-Grouse and to maintain ecological processes.

**Locatable minerals.** Minerals subject to exploration, development, and disposal by staking mining claims as authorized by the Mining Law of 1872, as amended. This includes deposits of gold, silver, and other uncommon minerals not subject to lease or sale.

**Long-term effect.** The effect could occur for an extended period after implementation of the alternative. The effect could last several years or more.

**Lotic.** Pertaining to moving water, such as streams or rivers.

**Management decision.** A decision made by the BLM to manage public lands. Management decisions include both land use plan decisions and implementation decisions.

**Management zone.** Two types of management zones are addressed:

- **Colorado Management Zones** – 21 Greater Sage-Grouse management zones comprised of preliminary priority habitat (PPH), preliminary general habitat (PGH), and linkage/connectivity habitat in order to manage disturbance caps and be able to identify specific habitat areas.
- **Western Association of Fish and Wildlife Agencies (WAFWA) Management Zones** – 7 Greater Sage-Grouse management zones established based on populations across the entire range of the Greater Sage-Grouse. Northwest Colorado falls into WAFWA Management Zones II and VII. WAFWA management zones are used in the cumulative effects analysis.

**Master Development Plans.** A set of information common to multiple planned wells, including drilling plans, Surface Use Plans of Operations, and plans for future production.

**Mechanized transport.** Any vehicle, device, or contrivance for moving people or material in or over land, water, snow, or air that has moving parts.

**Mineral.** Any naturally formed inorganic material, solid or fluid inorganic substance that can be extracted from the earth, any of various naturally occurring homogeneous substances (as stone, coal, salt, sulfur, sand, petroleum, water, or natural gas) obtained usually from the ground. Under federal laws, considered as locatable (subject to the general mining laws), leasable (subject to the Mineral Leasing Act of 1920), and salable (subject to the Materials Act of 1947).

**Mineral entry.** The filing of a claim on public land to obtain the right to any locatable minerals it may contain.

**Mineral estate.** The ownership of minerals, including rights necessary for access, exploration, development, mining, ore dressing, and transportation operations.

**Mineralize.** The process where a substance is converted from an organic substance to an inorganic substance.

**Mineral materials.** Common varieties of mineral materials such as soil, sand and gravel, stone, pumice, pumicite, and clay that are not obtainable under the mining or leasing laws but that can be acquired under the Materials Act of 1947, as amended.

**Mining claim.** A parcel of land that a miner takes and holds for mining purposes, having acquired the right of possession by complying with the Mining Law and local laws and rules. A mining claim may contain as many adjoining locations as the locator may make or buy. There are four categories of mining claims: lode, placer, millsite, and tunnel site.

**Mining Law of 1872.** Provides for claiming and gaining title to locatable minerals on public lands. Also referred to as the “General Mining Laws” or “Mining Laws.”

**Mitigation.** Includes specific means, measures or practices that could reduce, avoid, or eliminate adverse impacts. Mitigation can include avoiding the impact altogether by not taking a certain action or parts of an action, minimizing the impact by limiting the degree of magnitude of the action and its implementation, rectifying the impact by repairing, rehabilitation, or restoring the affected environment, reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action, and compensating for the impact by replacing or providing substitute resources or environments.

**Modification.** A change to the provisions of a lease stipulation, either temporarily or for the term of the lease. Depending on the specific modification, the stipulation may or may not apply to all sites within the leasehold to which the restrictive criteria are applied.

**Monitoring (plan monitoring).** The process of tracking the implementation of land use plan decisions and collecting and assessing data necessary to evaluate the effectiveness of land use planning decisions.

**Motorized vehicles or uses.** Vehicles that are motorized, including but not limited to jeeps, all-terrain vehicles (all-terrain vehicles, such as four-wheelers and three-wheelers), trail motorcycles or dirt bikes, and aircrafts.

**Multiple-use.** The management of the public lands and their various resource values so that they are used in the combination that will best meet the present and future needs of the American people; making the most judicious use of the land for some or all of these resources or related services over areas large enough to provide sufficient latitude for periodic adjustments in use to changing needs and conditions; the use of some land for less than all of the resources; a combination of balanced and diverse resource uses that takes into account the long-term needs of future generations for renewable and nonrenewable resources, including recreation, range, timber, minerals, watershed, wildlife and fish, and natural scenic, scientific and historical values; and harmonious and coordinated management of the various resources without permanent impairment of the productivity of the land and the quality of the environment with consideration being given to the relative values of the resources and not necessarily to the combination of uses that will give the greatest economic return or the greatest unit output (FLPMA) (BLM Manual 6840, Special Status Species Manual).

**Municipal watershed.** A watershed area that provides water for use by a municipality as defined by the community and accepted by the State.

**National Conservation Area.** Area designated by Congress, generally, to conserve, protect, enhance, and properly manage the resources and values for which it was designated for the benefit and enjoyment of present and future generations (BLM Manual 6220).

**National Environmental Policy Act of 1969 (NEPA).** Public Law 91-190. Establishes environmental policy for the nation. Among other items, NEPA requires federal agencies to consider environmental values in decision-making processes.

**National Historic Trail.** A congressionally designated trail that is an extended, long-distance trail, not necessarily managed as continuous, that follows as closely as possible and practicable the original trails or routes of travel of national historic significance. The purpose of a National Historic Trail is the identification and protection of the historic route and the historic remnants and artifacts for public use and enjoyment. A National Historic Trail is managed in a manner to protect the nationally significant resources, qualities, values, and associated settings of the areas through which such trails may pass, including the primary use or uses of the trail (BLM Manual 6250, NHT Administration).

**National Register of Historic Places.** A listing of architectural, historical, archaeological, and cultural sites of local, state, or national significance established by the Historic Preservation Act of, 1966 and maintained by the National Park Service.

**Native vegetation.** Plant species which were found here prior to European settlement, and consequently are in balance with these ecosystems because they have well developed parasites, predators, and pollinators.

**Natural processes.** Fire, drought, insect and disease outbreaks, flooding, and other events which existed prior to European settlement, and shaped vegetation composition and structure.

**Non-energy leasable minerals.** Those minerals or materials designated as leasable under the Mineral Leasing Act of 1920. Non-energy minerals include resources such as phosphate, sodium, potassium, and sulfur.

**Nonfunctional condition.** Riparian-wetland areas that clearly are not providing adequate vegetation, landform, or woody debris to dissipate energies associated with flow events, and thus are not reducing erosion, improving water quality, etc.

**No surface occupancy (NSO).** A major constraint where use or occupancy of the land surface for fluid mineral exploration or development and all activities associated with fluid mineral leasing (e.g., truck-mounted drilling and geophysical exploration equipment off designated routes, construction of wells and/or pads) are prohibited to protect identified resource values. Areas identified as NSO are open to fluid mineral leasing, but surface occupancy or surface-disturbing activities associated with fluid mineral leasing cannot be conducted on the surface of the land. Access to fluid mineral deposits would require horizontal drilling from outside the boundaries of the NSO area.

**Noxious weeds.** A plant species designated by federal or state law as generally possessing one or more of the following characteristics: aggressive and difficult to manage; parasitic; a carrier or host of serious insects or disease; or nonnative, new, or not common to the US.

**Objective.** A description of a desired outcome for a resource. Objectives can be quantified and measured and, where possible, have established timeframes for achievement.

**Off-highway vehicle (OHV) (off-road vehicle).** Any motorized vehicle capable of, or designated for travel on or immediately over land, water or other natural terrain, excluding: (1) any non-amphibious registered motorboat; (2) any military, fire, emergency, or law enforcement vehicle while being used for emergency purposes; (3) any vehicle whose use is expressly authorized by the authorized officer, or otherwise officially approved; (4) vehicles in official use; and (5) any combat or combat support vehicle when used for national defense emergencies (43 CFR 8340.0-5).

**Open.** Generally denotes that an area is available for a particular use or uses. Refer to specific program definitions found in law, regulations, or policy guidance for application to individual programs. For example, 43 CFR 8340.0-5 defines the specific meaning of “open” as it relates to OHV use.

**Ozone.** A faint blue gas produced in the atmosphere from chemical reactions of burning coal, gasoline, and other fuels and chemicals found in products such as solvents, paints, and hairsprays.

**Paleontological resources.** The physical remains or other physical evidence of plants and animals preserved in soils and sedimentary rock formations. Paleontological resources are important for correlating and dating rock strata and for understanding past environments, environmental change, and the evolution of life.

**Particulate matter (PM).** One of the six “criteria” pollutants for which the US EPA established National Ambient Air Quality Standards. Particulate matter is defined as two categories, fine particulates, with an aerodynamic diameter of 10 micrometers (PM10) or less, and fine particulates with an aerodynamic diameter of 2.5 micrometers or less (PM2.5).

**Perennial stream.** A stream that flows continuously. Perennial streams are generally associated with a water table in the localities through which they flow.

**Permitted use.** The forage allocated by, or under the guidance of, an applicable land use plan for livestock grazing in an allotment under a permit or lease and expressed in AUMs (43 CFR 4100.0-5) (from H-4180-1, BLM Rangeland Health Standards Manual).

**Permittee.** A person or company permitted to graze livestock on public land.

**Physiography.** The study and classification of the surface features of the earth.

**Plan of Operations.** A Plan of Operations is required for all mining activity exploration greater than 5 acres or surface disturbance greater than casual use on certain special category lands. Special category lands are described under 43 CFR 3809.11(c) and include such lands as designated Areas of Critical Environmental Concern, lands within the National Wilderness Preservation System, and areas closed to off-road vehicles, among others. In addition, a plan of operations is required for activity greater than casual use on lands patented under the Stock Raising Homestead Act with Federal minerals where the operator does not have the written consent of the surface owner (43 CFR 3814). The Plan of operations needs to be filed in the

BLM field office with jurisdiction over the land involved. The Plan of Operations does not need to be on a particular form but must address the information required by 43 CFR 3809.401(b).

**Planning area.** The geographical area for which resource management plans are developed and maintained. The Nevada and Northeastern California Greater Sage-Grouse RMPA/EIS planning area boundary includes public lands managed by the United States Department of the Interior, Bureau of Land Management, within five BLM Districts in Nevada (Battle Mountain, Carson City, Elko, Ely, and Winnemucca) and three BLM Field Offices in California (Alturas, Eagle Lake, and Surprise), as well as public lands managed by the US Department of Agriculture, Forest Service, Humboldt-Toiyabe National Forest. The planning area boundary includes all lands regardless of jurisdiction.

**Planning criteria.** The standards, rules, and other factors developed by managers and interdisciplinary teams for their use in forming judgments about decision making, analysis, and data collection during planning. Planning criteria streamlines and simplifies the resource management planning actions.

**Planning issues.** Concerns, conflicts, and problems with the existing management of public lands. Frequently, issues are based on how land uses affect resources. Some issues are concerned with how land uses can affect other land uses, or how the protection of resources affects land uses.

**Policy.** This is a statement of guiding principles, or procedures, designed and intended to influence planning decisions, operating actions, or other affairs of the BLM or Forest Service. Policies are established interpretations of legislation, executive orders, regulations, or other presidential, secretarial, or management directives.

**Preliminary General Habitat (PGH).** Areas of seasonal or year-round Greater Sage-Grouse habitat outside of preliminary priority habitat (PPH).

**Preliminary General Management Area (PGMA).** BLM and FS lands identified requiring special management to sustain sage-grouse populations, but that are not as important as PPMAs. The PGMAs are derived from and generally follow the PGH boundaries (see in Chapter 3) but may be modified in extent based on the objectives of each alternative. Likewise, management strategies applied to the PGMAs may vary by alternative.

**Preliminary Priority Habitat (PPH).** Areas that have been identified as having the highest conservation value to maintaining sustainable Greater Sage-Grouse populations; include breeding, late brood-rearing, and winter concentration areas.

Preliminary Priority Management Area (PPMA). BLM and FS lands identified to be managed as having the highest value to maintaining sustainable sage-grouse populations. The PPMAs are derived from and generally follow the PPH boundaries (see in Chapter 3) but may be modified in extent based on the objectives of each alternative. Likewise, management strategies applied to the PPMAs may vary by alternative.

**Prescribed fire.** A wildland fire originating from a planned ignition to meet specific objectives identified in a written, approved, prescribed fire plan for which NEPA requirements (where applicable) have been met prior to ignition.

**Primitive route.** Any transportation linear feature located within areas that have been identified as having wilderness characteristics and not meeting the wilderness inventory road definition (BLM Manual 6310 – Conducting Wilderness Characteristics Inventory on BLM Lands).

**Priority sage-grouse habitat.** Areas that have been identified as having the highest conservation value to maintaining sustainable sage-grouse populations. These areas would include breeding, late brood-rearing, and winter concentration areas. These areas have been identified by the BLM and Forest Service in coordination with respective state wildlife agencies.

**Project area.** The Nevada and Northeastern California Greater Sage-Grouse RMPA/EIS planning area boundary includes public lands managed by the BLM, within the five BLM Districts in Nevada (Battle Mountain, Carson City, Elko, Ely, and Winnemucca) and three BLM Field Offices in California (Alturas, Eagle Lake, and Surprise), as well as public lands managed by the Forest Service, Humboldt-Toiyabe National Forest.

**Proper functioning condition.** A term describing stream health that is based on the presence of adequate vegetation, landform and debris to dissipate energy, reduce erosion and improve water quality.

**Public domain.** The term applied to any or all of those areas of land ceded to the Federal Government by the Original States and to such other lands as were later acquired by treaty, purchase or cession, and are disposed of only under the authority of Congress.

**Public land.** Land or interest in land owned by the US and administered by the Secretary of the Interior through the BLM without regard to how the US acquired ownership, except lands located on the Outer Continental Shelf and land held for the benefit of Indians, Aleuts, and Eskimos (H-1601-1, BLM Land Use Planning Handbook). Also includes lands owned by the US and administered by the Forest Service.

**Range Improvement.** The term range improvement means any activity, structure or program on or relating to rangelands which is designed to improve production of forage; change vegetative composition; control patterns of use; provide water; stabilize soil and water conditions; and provide habitat for livestock and wildlife. The term includes, but is not limited to, structures, treatment projects, and use of mechanical means to accomplish the desired results.

**Range improvement project.** An authorized physical modification or treatment which is designed to improve production of forage; change vegetation composition; control patterns of use; provide water; stabilize soil and water conditions; restore, protect and improve the condition of rangeland ecosystems to benefit livestock, wild horses and burros, and fish and wildlife. This definition includes, but is not limited to: structures, treatment projects and use of mechanical devices, or modifications achieved through mechanical means.

**Raptor.** Bird of prey with sharp talons and strongly curved beaks, such as hawks, owls, falcons, and eagles.

**Reasonable foreseeable development scenario.** The prediction of the type and amount of oil and gas activity that would occur in a given area. The prediction is based on geologic factors, past history of drilling, projected demand for oil and gas, and industry interest.

**Reclamation.** The suite of actions taken within an area affected by human disturbance, the outcome of which is intended to change the condition of the disturbed area to meet pre-determined objectives and/or make it acceptable for certain defined resources (e.g., wildlife habitat, grazing, ecosystem function, etc.).

**Recreation management area.** Includes special recreation management areas (SRMAs) and extensive recreation management areas (ERMAs); see SRMA and ERMA definitions.

**Recreation experiences.** Psychological outcomes realized either by recreation-tourism participants as a direct result of their on-site leisure engagements and recreation-tourism activity participation or by nonparticipating community residents as a result of their interaction with visitors and guests within their community or interaction with the BLM or Forest Service and other public and private recreation-tourism providers and their actions.

**Recreation opportunities.** Favorable circumstances enabling visitors' engagement in a leisure activity to realize immediate psychological experiences and attain more lasting, value-added beneficial outcomes.

**Recreation settings.** The collective distinguishing attributes of landscapes that influence and sometimes actually determine what kinds of recreation opportunities are produced.

**Reference State.** The reference state is the state where the functional capacities represented by soil/site stability, hydrologic function, and biotic integrity are performing at an optimum level under the natural disturbance regime. This state usually includes, but is not limited to, what is often referred to as the potential natural plant community.

**Rehabilitate.** Returning disturbed lands as near to its pre-disturbed condition as is reasonably practical or as specified in approved permits.

**Renewable Energy.** Energy resources that constantly renew themselves or that are regarded as practically inexhaustible. These include solar, wind, geothermal, hydro, and biomass. Although particular geothermal formations can be depleted, the natural heat in the Earth is a virtually inexhaustible reserve of potential energy.

**Required Design Features.** Means, measures, or practices intended to reduce or avoid adverse environmental impacts. A suite of features that would establish the minimum specifications for certain activities (i.e., water developments, mineral development, and fire and fuels management) and mitigate adverse impacts. These design features would be required to provide a greater level of regulatory certainty than through implementation of Best Management Practices. In general, the design features are accepted practices that are known to be effective when implemented properly at the project level. However, their applicability and overall effectiveness cannot be fully assessed except at the project-specific level when the project location and design are known. Because of site-specific circumstances, some features may not apply to some projects (e.g., a resource is not present on a given site) and/or may require slight variations from what is described in the EIS/RMP amendment (e.g., a larger or smaller protective area). All variations

in design features would require appropriate analysis and disclosure as part of future project authorizations. Additional mitigation measures may be identified and required during individual project development and environmental review.

**Resource management plan (RMP).** A land use plan as prescribed by the Federal Land Policy and Management Act that establishes, for a given area of land, land-use allocations, coordination guidelines for multiple-use, objectives, and actions to be achieved.

**Restore/restoration.** Implementation of a set of actions that promotes plant community diversity and structure that allows plant communities to be more resilient to disturbance and invasive species over the long term. The long-term goal is to create functional, high quality habitat that is occupied by sage-grouse. Short-term goal may be to restore the landform, soils and hydrology and increase the percentage of preferred vegetation, seeding of desired species, or treatment of undesired species.

**Restriction/restricted use.** A limitation or constraint on public land uses and operations. Restrictions can be of any kind, but most commonly apply to certain types of vehicle use, temporal and/or spatial constraints, or certain authorizations.

**Revegetate/revegetation.** The process of putting vegetation back in an area where vegetation previously existed, which may or may not simulate natural conditions.

**Revision.** The process of completely rewriting the land use plan due to changes in the planning area affecting major portions of the plan or the entire plan.

**Right-of-way (ROW).** An easement, lease, permit, or license to occupy, use, or traverse public lands granted for pipes, pipelines, tunnels, and other facilities and systems for the impoundment, storage, transportation, or distribution of water; pipelines and other systems for the transportation or distribution of liquids and gases, other than water and other than oil, natural gas, synthetic liquid or gaseous fuels, or any refined product produced therefrom, and for storage and terminal facilities in connection therewith; pipelines, slurry and emulsion systems, and conveyor belts for transportation and distribution of solid materials, and facilities for the storage of such materials in connection therewith; systems for generation, transmission, and distribution of electric energy, except that the applicant shall also comply with all applicable requirements of the Federal Energy Regulatory Commission under the Federal Power Act, including part I thereof (41 Stat. 1063, 16 USC 791a-825r; PL 102-486, 1992); systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communication; roads, trails, highways, railroads, canals, tunnels, tramways, airways, livestock driveways, or other means of transportation except where such facilities are constructed and maintained in connection with commercial recreation facilities on lands in the National Forest System; or such other necessary transportation or other systems or facilities which are in the public interest and which require rights-of-way over, upon, under, or through such lands.

**Right-of-way avoidance area.** An area identified through resource management planning to be avoided but may be available for ROW location with special stipulations.

**Right-of-way exclusion area.** An area identified through resource management planning that is not available for ROW location under any conditions.

**Riparian area.** A form of wetland transition between permanently saturated wetlands and upland areas. Riparian areas exhibit vegetation or physical characteristics that reflect the influence of

permanent surface or subsurface water. Typical riparian areas include lands along, adjacent to, or contiguous with perennially and intermittently flowing rivers and streams, glacial potholes, and the shores of lakes and reservoirs with stable water levels. Excluded are ephemeral streams or washes that lack vegetation and depend on free water in the soil.

**Riparian zone.** An area one-quarter mile wide encompassing riparian and adjacent vegetation.

**Road.** A linear route declared a road by the owner, managed for use by low-clearance vehicles having four or more wheels, and maintained for regular and continuous use.

**Rotation.** Grazing rotation between pastures in the allotment for the permitted time.

**Routes.** Multiple roads, trails and primitive roads; a group or set of roads, trails, and primitive roads that represents less than 100 percent of the BLM transportation system. Generically, components of the transportation system are described as “routes.”

**Sale (public land).** A method of land disposal pursuant to Section 203 of FLPMA, whereby the US receives a fair-market payment for the transfer of land from federal ownership. Public lands determined suitable for sale are offered on the initiative of the BLM. Lands suitable for sale must be identified in the RMP. Any lands to be disposed of by sale that are not identified in the current RMP, or that meet the disposal criteria identified in the RMP, require a plan amendment before a sale can occur.

**Saturated soils.** Occur when the infiltration capacity of the soil is exceeded from above due to rainfall or snowmelt runoff. Soils can also become saturated from groundwater inputs.

**Scenic byways.** Highway routes that have roadsides or corridors of special aesthetic, cultural, or historical value. An essential part of the highway is its scenic corridor. The corridor may contain outstanding scenic vistas, unusual geologic features, or other natural elements.

**Scoping process.** An early and open public participation process for determining the scope of issues to be addressed and for identifying the significant issues related to a proposed action.

**Season of use.** The time during which livestock grazing is permitted on a given range area, as specified in the grazing lease.

**Seeding.** Seeding is a vegetation treatment that includes the application of grass, forb, or shrub seed, either aerially or from the ground. In areas of gentle terrain, ground applications of seed are often accomplished with a rangeland drill. Seeding allows the establishment of native species or placeholder species and restoration of disturbed areas to a perennial-dominated cover type, thereby decreasing the risk of subsequent invasion by exotic plant species. Seeding would be used primarily as a follow-up treatment in areas where disturbance or the previously described treatments have removed exotic plant species and their residue.

**Short-term effect.** The effect occurs only during or immediately after implementation of the alternative.

**Special recreation management area (SRMA).** An administrative public lands unit identified in land use plans where the existing or proposed recreation opportunities and recreation setting characteristics are recognized for their unique value, importance, and/or distinctiveness, especially as compared to other areas used for recreation.

**Special recreation permit (SRP).** Authorization that allows for recreational uses of public lands and related waters. Issued as a means to control visitor use, protect recreational and natural resources, and provide for the health and safety of visitors. Commercial SRPs are also issued as a mechanism to provide a fair return for the commercial use of public lands.

**Special status species.** BLM special status species are: (1) species listed, candidate, or proposed for listing under the Endangered Species Act; and (2) species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the Endangered Species Act that are designated as BLM sensitive by the BLM State Director(s). All federally listed candidate species, proposed species, and delisted species in the five years following delisting are conserved as BLM sensitive species. Forest Service special status species are: federally listed threatened and endangered species, designated by the USFWS under the ESA; sensitive species, designated by the Regional Forester with each Forest Service region; and management indicator species, designated for each forest unit within the individual LUPs during the planning process.

**Split estate.** This is the circumstance where the surface of a particular parcel of land is owned by a different party than the minerals underlying the surface. Split estates may have any combination of surface/subsurface owners: federal/state; federal/private; state/private; or percentage ownerships. When referring to the split estate ownership on a particular parcel of land, it is generally necessary to describe the surface/subsurface ownership pattern of the parcel.

**Stabilize.** The process of stopping further damage from occurring.

**Standard (BLM).** A description of the physical and biological conditions or degree of function required for healthy, sustainable lands (e.g., land health standards). To be expressed as a desired outcome (goal).

**Standard (Forest Service).** A mandatory constraint on decision-making. Not meeting a standard would require a site-specific forest plan amendment.

**Standard lease terms and conditions.** Areas may be open to leasing with no specific management decisions defined in a Resource Management Plan; however, these areas are subject to lease terms and conditions as defined on the lease form (Form 3100-11, Offer to Lease and Lease for Oil and Gas; and Form 3200-24, Offer to Lease and Lease for Geothermal Resources).

**State.** A state is comprised of an integrated soil and vegetation unit having one or more biological communities that occur on a particular ecological site and that are functionally similar with respect to the three attributes (soil/site stability, hydrologic function, and biotic integrity) under natural disturbance regimes.

**Strongholds.** Large areas of intact habitat where habitats and populations appear stable (Wisdom et al. 2011).

**Stipulation (general).** A term or condition in an agreement or contract.

**Stipulation (oil and gas).** A provision that modifies standard oil and gas lease terms and conditions in order to protect other resource values or land uses and is attached to and made a part of the lease. Typical lease stipulations include No Surface Occupancy (NSO), Timing Limitations (TL), and Controlled Surface Use (CSU). Lease stipulations are developed through the land use planning (RMP) process.

Suitable River. An eligible river segment found through administrative study to meet the criteria for designation as a component of the National Wild and Scenic Rivers System, as specified in Section 4(a) of the Wild and Scenic Rivers Act (BLM Manual 6400, Wild and Scenic Rivers).

**Surface disturbance.** Suitable habitat is considered disturbed when it is removed and unavailable for immediate sage-grouse use.

a. Long-term removal occurs when habitat is physically removed through activities that replace suitable habitat with long term occupancy of unsuitable habitat such as a road, power line, well pad or active mine. Long-term removal may also result from any activities that cause soil mixing, soil removal, and exposure of the soil to erosive processes.

b. Short-term removal occurs when vegetation is removed in small areas, but restored to suitable habitat within a few years (< 5) of disturbance, such as a successfully reclaimed pipeline, or successfully reclaimed drill hole or pit.

c. Suitable habitat rendered unusable due to numerous anthropogenic disturbances

d. Anthropogenic surface disturbance are surface disturbances meeting the above definitions which result from human activities.

**Surface-disturbing activities.** An action that alters the vegetation, surface/near surface soil resources, and/or surface geologic features, beyond natural site conditions and on a scale that affects other public land values. Examples of surface disturbing activities may include: operation of heavy equipment to construct well pads, roads, pits and reservoirs; installation of pipelines and power lines; and the conduct of several types of vegetation treatments (e.g., prescribed fire, etc.). Surface disturbing activities may be either authorized or prohibited.

**Surface use(s).** These are all the various activities that may be present on the surface or near-surface (e.g., pipelines), of the public lands. It does not refer to those subterranean activities (e.g., underground mining, etc.) occurring on the public lands or federal mineral estate. When administered as a use restriction (e.g., *No Surface Use [NSU]*), this phrase prohibits all but specified resource uses and activities in a certain area to protect particular sensitive resource values and property. This designation typically applies to small acreage sensitive resource sites (e.g., plant community study enclosure, etc.), and/or administrative sites (e.g., government ware-yard, etc.) where only authorized, agency personnel are admitted.

**Sustained yield.** The achievement and maintenance in perpetuity of a high-level annual or regular periodic output of the various renewable resources of the public lands consistent with multiple uses.

**Temporary/temporary use.** This term is used as the opposite of the term permanent/ permanent use. It is a relative term and has to be considered in the context of the resource values affected and the nature of the resource use(s)/activity(ies) taking place. Generally, a temporary activity is considered to be one that is not fixed in place and is of short duration.

**Terrestrial.** Living or growing in or on the land.

**Threatened species.** Any species that is likely to become endangered within the foreseeable future throughout all or a significant portion of its range Under the Endangered Species Act in the US, “threatened” is the lesser-protected of the two categories. Designation as threatened

(or endangered) is determined by USFWS as directed by the Endangered Species Act (16 US Code 1531-1544).

**Timber.** Standing trees, downed trees, or logs which are capable of being measured in board feet.

**Timing Limitation (TL).** The TL stipulation, a moderate constraint, is applicable to fluid mineral leasing, all activities associated with fluid mineral leasing (e.g., truck-mounted drilling and geophysical exploration equipment off designated routes, construction of wells and/or pads), and other surface-disturbing activities (i.e., those not related to fluid mineral leasing). Areas identified for TL are closed to fluid mineral exploration and development, surface-disturbing activities, and intensive human activity during identified time frames. This stipulation does not apply to operation and basic maintenance activities, including associated vehicle travel, unless otherwise specified. Construction, drilling, completions, and other operations considered to be intensive in nature are not allowed. Intensive maintenance, such as workovers on wells, is not permitted. TLs can overlap spatially with NSO and CSU, as well as with areas that have no other restrictions. Administrative activities are allowed at the discretion of the Authorized Officer.

**Total dissolved solids.** Salt, or an aggregate of carbonates, bicarbonates, chlorides, sulfates, phosphates, and nitrates of calcium, magnesium, manganese, sodium, potassium, and other cations that form salts.

**Total maximum daily load.** An estimate of the total quantity of pollutants (from all sources: point, nonpoint, and natural) that may be allowed into waters without exceeding applicable water quality criteria.

**Trail.** A linear route managed for human-power (e.g., hiking or bicycling), stock (e.g., equestrian), or off-highway vehicle forms of transportation or for historical or heritage values. Trails are not generally managed for use by four-wheel drive or high-clearance vehicles.

**Transition.** A shift between two states. Transitions are not reversible by simply altering the intensity or direction of factors that produced the change. Instead, they require new inputs such as revegetation or shrub removal. Practices, such as these, that accelerate succession are often expensive to apply.

**Transmission.** The movement or transfer of electric energy over an interconnected group of lines and associated equipment between points of supply and points at which it is transformed for delivery to consumers, or is delivered to other electric systems. Transmission is considered to end when the energy is transformed for distribution to the consumer.

**Transportation system.** The sum of the BLM's recognized inventory of linear features (roads, primitive roads, and trails) formally recognized, designated, and approved as part of the BLM's transportation system.

**Travel management areas.** Polygons or delineated areas where a rational approach has been taken to classify areas open, closed or limited, and have identified and/or designated a network of roads, trails, ways, landing strips, and other routes that provide for public access and travel across the planning area. All designated travel routes within travel management areas should have a clearly identified need and purpose as well as clearly defined activity types, modes of travel, and seasons or timeframes for allowable access or other limitations (BLM Handbook H-1601-1, Land Use Planning Handbook).

**Trespass.** Any unauthorized use of public land.

**Tribal interests.** Native American or Native Alaskan economic rights such as Indian trust assets, resource uses and access guaranteed by treaty rights, and subsistence uses.

**Understory.** That portion of a plant community growing underneath the taller plants on the site.

**Unitization.** Operation of multiple leases as a single lease under a single operator.

**Utility corridor.** A designated parcel of land that is either linear or areal in character. Utility corridors are not usually wider than five miles; are limited by technological, environmental, and topographical factors; and are set in width as identified by the special use permit or right-of-way issued. Designation criteria are set forth in Section 503 of FLPMA for special use permits and rights-of-way; and 43 CFR 2802.11 for rights-of-way.

**Valid existing rights.** Documented, legal rights or interests in the land that allow a person or entity to use said land for a specific purpose and that are still in effect. Such rights include but are not limited to fee title ownership, mineral rights, rights-of-way, easements, permits, and licenses. Such rights may have been reserved, acquired, leased, granted, permitted, or otherwise authorized over time.

**Vegetation manipulation.** Planned alteration of vegetation communities through use of mechanical, chemical, seeding, and/or prescribed fire or managed fire to achieve desired resource objectives.

**Vegetation treatments.** Management practices which change the vegetation structure to a different stage of development. Vegetation treatment methods include managed fire, prescribed fire, chemical, mechanical, and seeding.

**Vegetation type.** A plant community with immediately distinguishable characteristics based upon and named after the apparent dominant plant species.

**Visibility (air quality).** A measure of the ability to see and identify objects at different distances.

**Visitor day.** Twelve visitor hours that may be aggregated by one or more persons in single or multiple visits.

**Visual resources.** The visible physical features on a landscape, (topography, water, vegetation, animals, structures, and other features) that comprise the scenery of the area.

**Warranted but precluded.** When the public files a petition with USFWS to have a species listed under the Endangered Species Act, the USFWS can make one of three findings: listing is warranted; listing is not warranted; or listing is warranted but precluded. The warranted by precluded listing indicates that a species should be listed based on the available science, but listing other species takes priority because they are more in need of protection.

**Watershed.** Topographical region or area delineated by water draining to a particular watercourse or body of water.

**West Nile virus.** A virus that is found in temperate and tropical regions of the world and most commonly transmitted by mosquitoes. West Nile virus can cause flu-like symptoms in humans and can be lethal to birds, including sage-grouse.

**Wildcat well.** An exploratory oil well drilled in land not known to be an oil field.

**Wilderness.** A congressionally designated area of undeveloped federal land retaining its primeval character and influence, without permanent improvements or human habitation, that is protected and managed to preserve its natural conditions and that (1) generally appears to have been affected mainly by the forces of nature, with human imprints substantially unnoticeable; (2) has outstanding opportunities for solitude or a primitive and unconfined type of recreation; (3) has at least 5,000 acres or is large enough to make practical its preservation and use in an unimpaired condition; and (4) may also contain ecological, geological, or other features of scientific, educational, scenic, or historic value. The definition is contained in Section 2(c) of the Wilderness Act of 1964 (78 Stat. 891).

**Wilderness characteristics.** Wilderness characteristics attributes include the area's size, its apparent naturalness, and outstanding opportunities for solitude or a primitive and unconfined type of recreation. They may also include supplemental values. Lands with wilderness characteristics are those lands that have been inventoried and determined by the BLM to contain wilderness characteristics as defined in section 2(c) of the Wilderness Act.

**Wilderness Study Area (WSA).** A designation made through the land use planning process of a roadless area found to have wilderness characteristics, as described in Section 2(c) of the Wilderness Act of 1964.

**Wildland fire.** Wildland fire is a general term describing any non-structure fire that occurs in the wildland. Wildland fires are categorized into two distinct types:

- Wildfires: Unplanned ignitions or prescribed fires that are declared wildfires.
- Prescribed fires: Planned ignitions.

**Wildland fire use.** *A term no longer used; the new terminology is "managed fire" (see "managed fire" definition).* A vegetation treatment that involves taking advantage of a naturally-ignited wildland fire in an area where fire would benefit resources. Wildland fire use would be conducted in specific areas needing treatment after a site-specific plan and NEPA analysis are completed and only if predetermined prescriptive parameters (e.g., weather/fire behavior) can be met. Until this planning and NEPA analysis are accomplished, wildland fires would be suppressed using an appropriate management response.

**Wildland-urban interface (WUI).** The line, area or zone where structures and other human development meet or intermingle with undeveloped wildland or vegetative fuels.

**Withdrawal.** An action that restricts the use of public land and segregates the land from the operation of some or all of the public land and mineral laws. Withdrawals are also used to transfer jurisdiction of management of public lands to other federal agencies.

**Winter concentration areas.** Sage-grouse winter habitats which are occupied annually by sage-grouse and provide sufficient sagebrush cover and food to support birds throughout the entire winter (especially periods with above average snow cover). Many of these areas support several different breeding populations of sage-grouse. Sage-grouse typically show high fidelity for these areas, and loss or fragmentation can result in significant population impacts.