

APPENDIX B

SUMMARY OF CANADA LYNX EFFECTS DETERMINATIONS AND LIST OF BLM MANAGEMENT ACTIONS AND ACTIVITIES

This appendix contains a summary of the Canada lynx effects determinations (**Table B-1**) and a list of BLM management actions with detailed activities that occur in the FOs (**Table B-2**). These detailed activities can serve as a checklist to review and consider during consultations for individual projects. The evaluation of the impact of a given management action and its associated activities will vary depending on the intensity and duration of the activity, its location within the FO, and the particulars of that activity in that FO.

TABLE B-1 SUMMARY OF CANADA LYNX EFFECTS DETERMINATIONS

Resources Management Plan (RMP) Management Action	Cody	Kemmerer	Lander	Pinedale	Rock Springs (Green River RMP)	Worland (Grass Creek RMP)
Air Quality	NE	NE	NE	NE	NE	NE
Cultural/paleo./historical	NLAA-d	NLAA-d	NLAA-d	NLAA-d	NLAA-d	NLAA-d
Fire Management	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Forest Management	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Minerals and Geology	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Hazardous Materials	NE	-----	-----	-----	NE	NE
Nat History & Paleontological				NLAA-d		
Lands and Realty	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Livestock Grazing	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
ORV/OHV use	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Recreation	NLAA-d	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Soils Management	-----	NLAA-d	-----	-----	-----	-----
Special Status Species	-----	-----	-----	-----	NLAA-i	-----
Sens. Plants/Vegetation	-----	-----	-----	-----	NLAA-i	NLAA-i
Visual	NLAA-b	NLAA-b	-----	NLAA-b	NLAA-b	NLAA-b
Wildlife and Fish	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i	NLAA-i
Wild and Scenic Rivers	NLAA-b	NE	NE	NLAA-b	NLAA-b	NE
Wild Horses	NE	NE	NE	NE	NE	NE
Geothermal	NE	-----	-----	-----	-----	-----
Special Areas/ACECs	NLAA-b	-----	NLAA-b	NLAA-b	NLAA-b	NLAA-b
Special Areas/NHTs					NLAA-i	
Watershed/water	NE	NLAA-d	-----	-----	-----	NLAA-d
Water/soils	-----	-----	NLAA-d	NLAA-d	NLAA-d	NE
Soil/Water/Air	-----	-----	-----	-----	-----	-----
Wilderness	NE	NE	NLAA-b	NLAA-b	NE	NE
Riparian	-----	-----	-----	NLAA-i	-----	-----
Access	NLAA-i	NLAA-d	NLAA-d	NLAA-d	NLAA-d	NLAA-d
Surface Disturb. Restr.	-----	-----	-----	NLAA-b	-----	-----

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

Air Quality

- 1) Apply dust control measures
- 2) Collect meteorological and/or air quality data
- 3) Cover conveyors at mine sites

Cultural/Paleontological/Historical

- 1) Identify and record cultural resources (including excavation and photography)
- 2) Photography
- 3) Inventory cultural resources
- 4) Develop interpretive sites
- 5) Use hand tools, power tools, heavy machinery
- 6) Field activities
- 7) Allow collection of invertebrate fossils
- 8) Stabilize deteriorating buildings
- 9) Surface disturbing activities
- 10) Map and collect surface material
- 11) Excavation
- 12) Stabilize erosion
- 13) Develop campgrounds
- 14) Cultural resource investigation
- 15) Fence cultural resources

Fire Management

- 1) Fire suppression
- 2) Damage rehabilitation
- 3) Prescribed burning
- 4) Construct firelines
- 5) Use off-road vehicles
- 6) Use heavy equipment
- 7) Use of hand tools and heavy machinery
- 8) Use bulldozers
- 9) Use chemical fire suppression agents (ground based)
- 10) Bulldozers in riparian and wetland areas
- 11) Fire retardant drops containing chemical dyes (aircraft dispersal)

Forest Management

- 1) Rehabilitation surveys
- 2) Assess effects of grazing
- 3) Allow firewood collection
- 4) Timber harvesting
- 5) Planting harvested areas
- 6) Fencing regenerated areas
- 7) Clearcuts
- 8) Selective cutting
- 9) Slash disposal

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

- 10 Allow harvest
- 11) Site regeneration
- 12) Stand replacement
- 13) Precommercial thinning
- 14) Firewood, posts, poles, Christmas trees, wildlings
- 15) Pursue legal access
- 16) Commercial thinning
- 17) Skidder-type yarding
- 18) Logging operations
- 19) Cable yarding
- 20) Roads and landings
- 21) Logging activity
- 22) Prescribed burning
- 23) Establish new seedlings
- 24) Chaining
- 25) Shearing
- 26) Road development
- 27) Install drain culverts, water bars, or ditches
- 28) Cut and remove diseased trees
- 29) Artificial regeneration
- 30) Slash will be lopped and scattered, roller chopped, or burned
- 31) Helicopter logging
- 32) Disease treatment by spraying
- 33) Spraying of Grasses and shrubs

Geothermal

- 1) Vehicle traffic
- 2) Road construction
- 3) Pod and facility construction
- 4) Powerline construction

Hazardous Material

- 1) Provide warnings
- 2) Establish precautions
- 3) Use precautionary measures
- 4) Secure and dispose of hazardous waste discharged on public lands
- 5) Report, secure, and clean up public lands contaminated with hazardous wastes

Lands and Realty

- 1) Stock driveway withdrawals
- 2) Locatable mineral entry withdrawals
- 3) Lease acres for landfills
- 4) Establish protective withdrawals
- 5) Acquire access easements
- 6) Acquire conservation easements
- 7) Disposal or transfer of public lands through desert land entry, public sale, exchange, State of

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

- Wyoming indemnity selection, or Recreation and Public Purposes (R&PP) leases or patents
- 8) Designate existing routes as right-of-way corridors
 - 9) Pursue public access
 - 10) Pursue cooperative agreements
 - 11) Leases and disposals
 - 12) Develop stipulations
 - 13) Issue rights-of-way and leases (utility transportation corridors, communication sites)
 - 14) Temporary use permits
 - 15) New withdrawals
 - 16) Seek legal access to timber management areas
 - 17) Fence revegetation sites
 - 18) Block linear rights-of-way to vehicle use
 - 19) Road construction
 - 20) Construction of powerlines, communication towers, pipelines, irrigation ditches, and roads
 - 21) Develop recreation site facilities
 - 22) Designate corridors
 - 23) Adjust corridors
 - 24) ROW: powerlines, pipelines, ditches and canals, roads, well pads, reservoirs, buried telephone and fiber optic lines, wind power generation farms and facilities, compressor stations and other facilities
 - 25) Road closures/rehabilitation
 - 26) Designate, cancel, or change stock trail driveways

Livestock Grazing

- 1) Designate stock trails
- 2) Livestock conversions
- 3) Livestock grazing
- 4) Construct exclosures
- 5) Provide access to water, develop stock ponds
- 6) Design and implement grazing systems (AMPs)
- 7) Provide salt or mineral supplements
- 8) Use safe and effective prairie dog control measures
- 9) Modify kinds of livestock and season of livestock use
- 10) Perform project work to enhance and improve riparian zones
- 11) Improve resource conditions
- 12) Noxious weed control
- 13) Control predators
- 14) Vegetation manipulation projects
- 15) Change composition of existing vegetation
- 16) Manage leases
- 17) Develop management plans and agreements
- 18) Range improvement projects
- 19) Abolish or change stock trails/driveways
- 20) Fence
- 21) Develop water facilities (catchments, reservoirs, springs, pipelines, and wells)
- 22) Sagebrush spraying

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

- 23) Prescribed fire treatment
 - 24) Livestock grazing authorization (adjust season of use, distribution, kind, class, and number of livestock)
 - 25) Implement new grazing systems
 - 26) Establish salt stations
 - 27) Supplement feeding authorization
 - 28) Prescribed fire
 - 29) Mechanical or biological vegetative treatments
 - 30) Use heavy equipment
 - 31) Construct, maintain and modify fences
-

Minerals

- 1) Apply dust control measures
 - 2) Restrict flaring of natural gas
 - 3) Lease with a “no surface occupancy” restriction
 - 4) Lease with seasonal restrictions
 - 5) Lease with other standard surface protection restrictions
 - 6) Control/limit emissions
 - 7) Reservoirs associated with water disposal
 - 8) Compressor stations, product enhancement and disposal facilities
 - 9) Pipelines associated with leases or units
 - 10) Construction of new above-ground powerlines
 - 11) Leasable minerals – authorization of competitive lease list for oil, gas, coal, oil shale, and geothermal steam
 - 12) Leasable minerals – development and construction of coal pits, oil wells, gas, oil shale, and geothermal steam
 - 13) Leasable minerals - construction and initial reclamation of coal pits, well pads, access roads, and reserve pits
 - 14) Leasable minerals –surface reclamation for oil, gas, and coal
 - 15) Locatable mineral - exploration and development (gold, silver, cobalt, etc.)
 - 16) Power lines associated with leases or units
 - 17) Wind power associated with leases or units
 - 18) Saleable minerals – mineral material sales (sand and gravel, decorative stone, aggregate)
 - 19) Geophysical exploration
-

ORV Use

- 1) Designate and implement closed areas for ORV Use
 - 2) Designate and implement limited areas for ORV Use
 - 3) Designate and implement open areas for ORV Use
 - 4) Post signs
 - 3) Monitor off-road vehicle use
 - 4) Permit ORV events
 - 5) Allow use of motorized over-the-snow vehicles
 - 6) Perform necessary tasks requiring off-road vehicle use
-

Recreation

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

- 1) Allow casual recreational use (hiking, cross-country skiing, snowshoeing, etc.)
- 2) Restrict recreational use
- 3) Allow fishing and floatboating opportunities
- 4) Permit competitive recreational events
- 5) Maintain developed and undeveloped recreation sites
- 6) Allow camping
- 7) Develop public water sources for recreation facilities
- 8) Designate road use
- 9) Designate recreation areas
- 10) Allow hunting
- 11) Develop management plans
- 12) Designate ORV use
- 13) Identify hazards on the river
- 14) Maintain developed and undeveloped recreation sites
- 15) Provide public facilities and continued access
- 16) Allow use of motorized over-the-snow vehicles
- 17) With some exceptions, limit motorized vehicles to existing trails
- 18) Maintain public access
- 19) Pursue rights-of-way
- 20) Maintain or develop recreation sites and facilities
- 21) Monitor recreational use
- 22) Enforce recreation-oriented regulations
- 23) Patrol high-use areas and update recreational potential
- 24) Monitor, evaluate, and update recreational potential
- 25) Conduct field inventories
- 26) Place boundary signs and interpretive markers
- 27) Camping, hunting, fishing, off-road vehicle use
- 28) Construct and use roads
- 29) Add developments as opportunities arise
- 30) Develop campgrounds
- 31) Develop recreational trails
- 32) Cut trees and firewood
- 33) Construct and use roads
- 34) Commercial recreation uses

Special Areas

- 1) Protect petroglyphs, artifacts, and cultural deposits from weathering and vandalism
- 2) Land exchange
- 3) Close areas where accelerated erosion is occurring
- 4) Apply restrictions on ground-disturbing activities
- 5) Guide supervised tours
- 6) Evaluate noxious weed and grasshopper control measures
- 7) Logging and heavy equipment use restrictions
- 8) Develop recreational trails

T&E Species

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

- 1) Provide habitat
 - 2) Protect known populations
 - 3) Close known locations to surface disturbing activities, mineral material sales, off-road vehicle use, and the use of explosives and blasting
 - 4) Conduct surveys
-

Vegetation

- 1) Pursue the acquisition of additional riparian areas
 - 2) Plant species surveys
 - 3) Conduct prescribed burns
 - 4) Implement weed control programs
 - 5) Plant trees
 - 6) Improve riparian habitat
 - 7) Use biological controls including species-specific insects and livestock grazing
 - 8) Use mechanical control, including cutting and thinning with hand tools
 - 9) Use heavy mechanical control, including brush beating, cutting, and thinning with machinery
 - 10) Use chemical control (including aerial spraying)
 - 11) Use of fire
 - 12) Implement planting and seeding
-

Visual

- 1) Require facilities to blend with the natural environment
 - 2) Reclaim watershed projects and water wells
-

Water Quality, Watershed and Soils Management

- 1) Prohibit surface discharge of produced water
 - 2) Allow for surface discharges of produced water approved by the Wyoming DEQ
 - 3) Restrict surface disturbance and prohibit new permanent structures
 - 4) Limit surface disturbance and prohibit new permanent structures
 - 5) Close areas, including roads, where accelerated erosion is occurring
 - 6) Improve, maintain and restore riparian/wetland areas by restoring hydrologic function
 - 7) Stream improvement practices such as increasing sinuosity in channels by using hand tools to construct natural structures which include rock or other natural materials
 - 8) Design and install stream crossings that allow for appropriate sediment and flow passage
 - 9) Develop riparian/wetland exclosures
 - 10) Construction of artificial instream structures such as impoundments using heavy equipment, and steel, geo-textile fabrics, and other materials
 - 11) Cutting, planting, and seeding to restore function in riparian/wetland areas
 - 12) Implement pitting and maintain water-spreader dikes
-

Wild Horse

- 1) Construction of short-term temporary facilities (traps and holding facilities)
 - 2) Construction of long-term permanent facilities (corrals, boundary fences, water development)
 - 3) Gatherings using helicopters and riders
 - 4) Herding, corralling, transporting
-

TABLE B-2 LIST OF BLM MANAGEMENT ACTIONS AND ASSOCIATED ACTIVITIES

Wild Rivers

- 1) Studies on segments of river
-

Riparian

- 1) Livestock conversions
 - 2) Herding, livestock driving
 - 3) Fence
-

Access

- 1) Pursue access across private lands
 - 2) Purchase rights-of-way or easements, land exchange, reciprocal rights-of-way
 - 3) Rehabilitate access roads no longer needed
-

Surface Disturbance Restrictions

- 1) Restrict surface disturbance
-
-