

CDOW Recommended Stipulations for Oil and Gas Within the State of Colorado

Wildlife Species	Habitat Types	No Surface Occupancy Stipulation (area or buffer distance)	Timing Limitation Stipulation (time period - may be greater than 60 days)	Controlled Surface Use Stipulation (potential facility relocate or other operational constraint)
<i>Bats (Brazilian Free-tailed, Townsend's Big-eared, Fringed Myotis)</i>	Roost Sites	Within 0.25 Miles of Roost Site	N/A	A bat inventory may be required prior to approval of operations within historic mining complexes. These are areas where bats are suspected or the habitat is deemed suitable but no bats have been documented. The inventory data will be used to apply conservation measures to reduce the impacts of surface disturbance on bat habitat
<i>Bighorn Sheep</i>	Production Areas Winter Range	Entire Mapped Production Area Entire Mapped Winter Range Area	(TL for human activities in these habitats including over flights) April 15-June 30 (Rocky Mountain) February 28-May 1 (Desert) November 1-April 15	N/A N/A
<i>Black Footed Ferret</i>	Release Areas	N/A	Entire Area March 1-July 15	N/A
<i>Columbian Sharp-tailed Grouse</i>	Leks Winter habitat Production Areas (Breeding and Nesting habitat)	Within 0.4 Miles of Lek Sites N/A N/A	N/A Restrict development between Dec 1- March 15 Within 1.25 Miles of Lek Sites March 15-July 30	N/A Limit noise not to exceed 49 dB measured 30 ft. from source. Surface Density Limitation of one pad per section; Relocate compressors > 1.25 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
<i>Cutthroat Trout</i>	Designated Cutthroat Habitat Designated Cutthroat Habitat Watershed	300-Feet from OHWM N/A	SEE Aquatic Species stip N/A	N/A Surface Density Limitation of one pad per section.
<i>Mule Deer</i>	Crucial Winter Ranges (Severe Winter Range and Winter Concentration Areas)	N/A	December 1-April 15	Surface Density Limitation of one pad per section or consider off site mitigation
<i>Elk</i>	Crucial Winter Ranges (Severe Winter Range and Winter Concentration Areas) Production Areas	N/A N/A	December 1-April 15 May 15-June 30	Surface Density Limitation of one pad per section or consider off site mitigation actions Surface Density Limitation of one pad per section or consider off site mitigation actions

Gunnison/Greater Sage-grouse	<i>Leks¹</i>	Within 0.6 Miles of Lek Sites	N/A	N/A
	<i>Core Areas (Occupied Habitat = Core Area for Gunnison sage-grouse)</i>	No Lease	N/A	Surface Density Limitation of one pad per section; Relocate compressors > 4 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
	<i>Winter Range</i>	N/A	December 1-March 15	Surface Density Limitation of one pad per section; Relocate compressors > 4 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
	<i>Production Areas (Breeding and Nesting habitat)</i>	N/A	Within 4 Miles of Lek Sites March 1-June 30	Surface Density Limitation of one pad per section; Relocate compressors > 4 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
Greater Prairie Chicken	<i>Leks</i>	Within 0.6 Miles of Lek Sites	N/A	N/A
	<i>Production Areas (Breeding and Nesting habitat)</i>	N/A	Within 2.2 miles of Lek sites March 1-June 30	Surface Density Limitation of one pad per section; Limit noise not to exceed 49 dB measured 30 ft. from source.
Kit Fox	<i>Den Sites</i>	N/A	Within 0.25 mile of den sites February 1-May 1	Pre-construction survey for den sites may be required
Least Tern	<i>Production Areas (Breeding and Nesting habitat)</i>	Within 300 Feet OHWM	0.5 Miles-No Human Encroachment-April 1-July 31	N/A
Lesser Prairie Chicken	<i>Leks²</i>	Within 0.6 Miles of Lek Sites	N/A	N/A
	<i>Core Areas</i>	No Lease	N/A	Surface Density Limitation of one pad per section; Relocate compressors > 2.2 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
	<i>Production Areas (Breeding and Nesting Habitat)</i>		Within 2.2 Miles of Lek Sites March 15-June 15	Surface Density Limitation of one pad per section; Relocate compressors > 2.2 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
Lynx	Consult with DOW regarding Lynx use of the development area			
Mountain Plover	<i>Active Nest Site</i>	Within 300 Feet of Active Nest	N/A	Pre-construction survey for nest sites may be required
Piping Plover	<i>Production Areas (Breeding and Nesting Habitat)</i>	Within 300 Feet OHWM	Within 0.5-No Human Encroachment-April 1-July 31	N/A

Plains Sharp-Tailed Grouse	Leks Core Areas	Within 0.4 Miles of Lek Sites No Lease	N/A N/A	N/A Surface Density Limitation of one pad per section; Relocate compressors > 1.25 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
	Production Areas (Breeding and Nesting Habitat)	N/A	Within 1.25 Miles of Lek Sites-March 1- June 30	Surface Density Limitation of one pad per section; Relocate compressors > 1.25 miles from lek; Limit noise not to exceed 49 dB measured 30 ft. from source.
Prairie Dogs (White-tailed/Gunnison's)	Colonies	N/A	March 1-June 15	Pre-construction survey for active colonies may be required; avoid direct disturbance to active colonies when possible
Preble's and New Mexico Meadow Jumping Mouse	Known and Potential Occupied Habitat	Within 300 ft. of stream centerline	N/A	N/A
Pronghorn Antelope	Winter Concentration Areas	N/A	January 1-March 31	N/A
Bald Eagle	Active Nest Site ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.5 Miles- No Human Encroachment October 15-July 31	
	Active Winter Night Roost Sites ⁴	Within 0.25 Miles of Roost Site	N/A	Pre-construction roost surveys may be required
	Active Winter Night Roost Sites	N/A	0.5 Miles- No Human Encroachment November 15 1-February 28	
Ferruginous Hawk	Active Nest Site ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.5 Miles- No Human Encroachment February 1-July 15	
Golden Eagle	Active Nest Site ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.5 Miles- No Human Encroachment December 15-July 15	
Mexican Spotted Owl	Protected Activity Centers (PAC)	Entire PAC	N/A	Pre-construction nest surveys may be required
	Protected Activity Centers (PAC)	N/A	Adjacent PAC Areas- No Human Encroachment March 1-August 31	
Northern Goshawk	Active Nest Site ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.5 Miles- No Human Encroachment March 1-September 15	
Osprey	Active Nest Site ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.25 Miles- No Human Encroachment April 1-August 31	
Peregrine Falcon	Active Nest Site ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	Active Nest Site	N/A	0.5 Miles- No Human Encroachment March 15-July 31	

<i>Prairie Falcon</i>	Active Nest Site ³ Active Nest Site	Within 0.5 Miles of Nest Site N/A	N/A 0.5 Miles-No Human Encroachment March 15-July 15	Pre-construction nest surveys may be required
<i>Swainson's Hawk</i>	Active Nest Site ³ Active Nest Site	Within 0.25 Miles of Nest Site N/A	N/A 0.25 Miles- No Human Encroachment April 1-July 15	Pre-construction nest surveys may be required
<i>Other Raptors Not Listed Above</i>	Nesting Habitat Roost Sites	N/A N/A	No Human Encroachment January 1-July 15 No Human Encroachment November 15-April 1	Pre-construction nest surveys may be required
<i>Burrowing Owl</i>	Active Nest Site	N/A	300 Foot March 1-August 15	N/A
<i>River Otter</i>	Occupied Habitat	N/A	N/A	Minimize disturbance of riparian vegetation and road development within 300 ft. of occupied habitat
<i>Southwest Willow Flycatcher</i>	Active Nest Site Suitable habitat (USFWS minimum patch size definition)	Within 300 Feet of Nest Site	N/A Restrict activities between May 15-Aug 1	Pre-construction nest surveys may be required Pre-construction nest surveys may be required
<i>Swift Fox</i>	Den Sites	N/A	0.25 Mile March 15-June 15	Pre-construction survey for den sites may be required
<i>Northern Leopard Frog</i>	Breeding Sites	Within 0.25 Miles of Breeding Site	N/A	N/A
<i>Western Boreal Toad</i>	Breeding Sites	Within 0.5 Miles of Breeding Site	N/A	N/A
<i>Aquatic Species</i>	Gold Medal Water Rainbow Trout Brown Trout Brook Trout Cutthroat Trout Bluehead Sucker Flannelmouth Sucker Roundtail Chub	300 Feet from OHWM N/A N/A N/A N/A N/A N/A N/A	N/A March 1-June 15 October 1-May 1 August 15-May 1 June 1-September 1 May 1-July 15 April 1-July 1 May 15-July 15	N/A N/A N/A N/A N/A N/A N/A N/A

¹ Greater and Gunnison sage-grouse lek = any lek active within last 10 years (core area); any lek active within last 5 years (outside core area)

² Lesser prairie chicken lek = any lek active within last 3 years

³ Active Nest Site = any nest that is frequented or occupied by a raptor during the breeding season, or which has been frequented or occupied in any of the five previous breeding seasons

⁴ Active Bald Eagle Winter Night Roost = Areas where bald eagles gather and perch overnight, and sometimes during the day in the event of inclement weather.