

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 operational constraint)
Bats (Brazilian Free-tailed, Townsend's Big-eared, Fringed Myotis)	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
Bighorn Sheep	Production Areas	Entire Mapped Production Area	April 15-June 30 (Rocky Mountain) February 28-May 1 (Desert) - TL for human activities in these habitats includes over flights	N/A
	Winter Range	Entire Mapped Winter Range Area	November 1-April 15	N/A
Black Footed Ferret	Release Areas	N/A	Entire Area March 1-July 15	N/A
Columbian Sharp-tailed Grouse	Leks	Within 0.4 Miles of Lek Sites	N/A	N/A
	Winter habitat	N/A	Restrict development between Dec 1- March 15	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 15-July 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.
Cutthroat Trout	Designated Cutthroat Habitat	300-Feet from OHWM	SEE Aquatic Species stip	N/A
	Designated Cutthroat Habitat Watershed	N/A	N/A	Surface Density Limitation of one pad per section
Mule Deer	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

Elk	<i>Crucial Winter Ranges (Severe Winter Range and Winter Concentration Areas)</i>	N/A	December 1-April 15	Surface Density Limitation of one pad per section or consider off site mitigation actions
	<i>Production Areas</i>	N/A	May 15-June 30	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	<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-June15	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	<i>Leks</i>	Within 0.4 Miles of Lek Sites	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. 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>Core Areas</i>	No Lease	N/A	
	<i>Production Areas (Breeding and Nesting Habitat)</i>	N/A	Within 1.25 Miles of Lek Sites-March 1- June 30	
Prairie Dogs (White-tailed/Gunnison's)	<i>Colonies</i>	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	<i>Known and Potential Occupied Habitat</i>	Within 300 ft. of stream centerline	N/A	N/A
Pronghorn Antelope	<i>Winter Concentration Areas</i>	N/A	January 1-March 31	N/A
Bald Eagle	<i>Active Nest Site</i> ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required Pre-construction roost surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles- No Human Encroachment October 15-July 31	
	<i>Active Winter Night Roost</i> ⁴	Within 0.25 Miles of Roost Site	N/A	
	<i>Active Winter Night Roost</i>	N/A	0.5 Miles- No Human Encroachment November 15 1-February 28	
Ferruginous Hawk	<i>Active Nest Site</i> ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles- No Human Encroachment February 1-July 15	
Golden Eagle	<i>Active Nest Site</i> ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles- No Human Encroachment December 15-July 15	

Mexican Spotted Owl	<i>Protected Activity Centers (PAC)</i>	Entire PAC	N/A	Pre-construction nest surveys may be required
	<i>Protected Activity Centers (PAC)</i>	N/A	Adjacent PAC Areas- No Human Encroachment March 1-August 31	
Northern Goshawk	<i>Active Nest Site</i> ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles- No Human Encroachment March 1-September 15	
Osprey	<i>Active Nest Site</i> ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.25 Miles- No Human Encroachment April 1-August 31	
Peregrine Falcon	<i>Active Nest Site</i> ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles- No Human Encroachment March 15-July 31	
Prairie Falcon	<i>Active Nest Site</i> ³	Within 0.5 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.5 Miles-No Human Encroachment March 15-July 15	
Swainson's Hawk	<i>Active Nest Site</i> ³	Within 0.25 Miles of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Active Nest Site</i>	N/A	0.25 Miles- No Human Encroachment April 1-July 15	
Other Raptors Not Listed Above	<i>Nesting Habitat</i>	N/A	No Human Encroachment January 1-July 15	Pre-construction nest surveys may be required
	<i>Roost Sites</i>	N/A	No Human Encroachment November 15-April 1	
Burrowing Owl	<i>Active Nest Site</i>	N/A	300 Foot March 1-August 15	N/A
River Otter	Occupied Habitat	N/A	N/A	Minimize disturbance of riparian vegetation and road development within 300 ft. of occupied habitat
Southwest Willow Flycatcher	<i>Active Nest Site</i>	Within 300 Feet of Nest Site	N/A	Pre-construction nest surveys may be required
	<i>Suitable habitat (USFWS minimum patch size definition)</i>		Restrict activities between May 15-Aug 1	Pre-construction nest surveys may be required
Swift Fox	<i>Den Sites</i>	N/A	0.25 Mile March 15-June 15	Pre-construction survey for den sites may be required
Northern Leopard Frog	<i>Breeding Sites</i>	Within 0.25 Miles of Breeding Site	N/A	N/A
Western Boreal Toad	<i>Breeding Sites</i>	Within 0.5 Miles of Breeding Site	N/A	N/A
Aquatic Species	<i>Gold Medal Water</i>	300 Feet from OHWM	N/A	N/A
	<i>Rainbow Trout</i>	N/A	March 1-June 15	N/A
	<i>Brown Trout</i>	N/A	October 1-May 1	N/A

<i>Brook Trout</i>	N/A	August 15-May 1	N/A
<i>Cutthroat Trout</i>	N/A	June 1-September 1	N/A
<i>Bluehead Sucker</i>	N/A	May 1-July 15	N/A
<i>Flannelmouth Sucker</i>	N/A	April 1-July 1	N/A
<i>Roundtail Chub</i>	N/A	May 15-July 15	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.