COGCC - CPW MAP UPDATE

New Rules and Amendments to Current Rules of the Colorado Oil and Gas Conservation Commission, 2 CCR 404-1





CPW ROUTINELY UPDATES MAPS

- Continuous (nest sites)
- Annual (lek sites)
- Every ~4 Years (species activity maps)



INFORMATION USED TO UPDATE MAPS

- Leks, Nests (Direct observation)
- Animal locations (Direct observation, radiotelemetry)
- Species activity/distribution maps (Combination of ground/aerial observation and expert knowledge from local field staff)



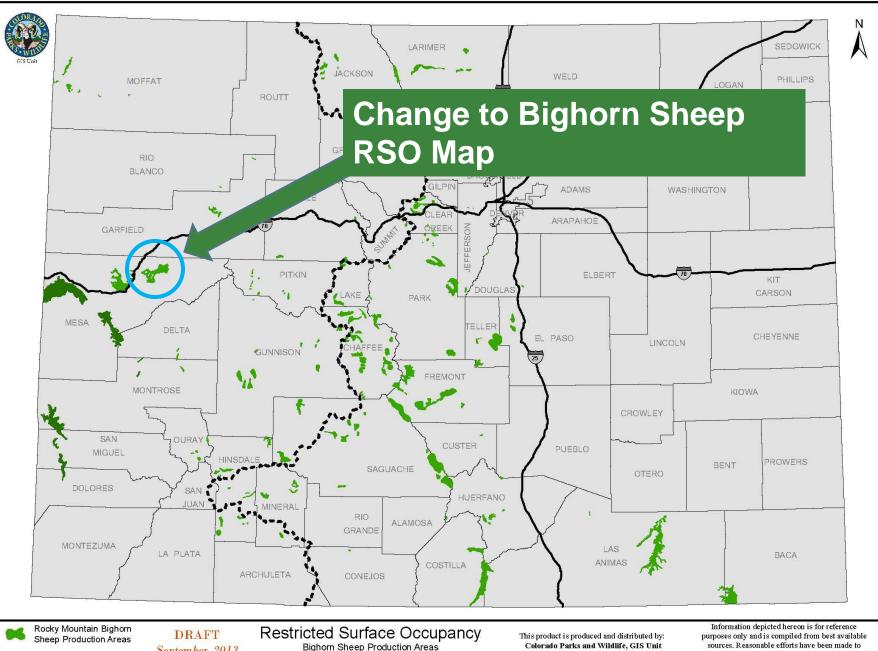
RESTRICTED SURFACE OCCUPANCY (RSO) VS. SENSITIVE WILDLIFE HABITAT (SWH)

- Separate RSO and SWH definitions for each wildlife species – detailed definitions provided
- RSO restricted in scope; avoid/minimize development activity
- SWH broader in scope; wildlife considered when planning development

SUMMARY OF RSO MAP CHANGES

Active Nest Sites

- Significant reductions in Ferruginous Hawk, Golden Eagle, Northern Goshawk, Peregrine, and Prairie Falcon nests
- Significant increases in Bald Eagle and Osprey nests
- Active Lek Sites
 - Reductions in sage-grouse and lesser prairie-chicken lek sites
 - Increases in sharp-tailed grouse lek sites
- Reduction in cutthroat trout designated habitat
- Significant increase in bighorn sheep production areas
- 2% Net Change in total RSO habitat





Desert Bighom Sheep **Production Areas**

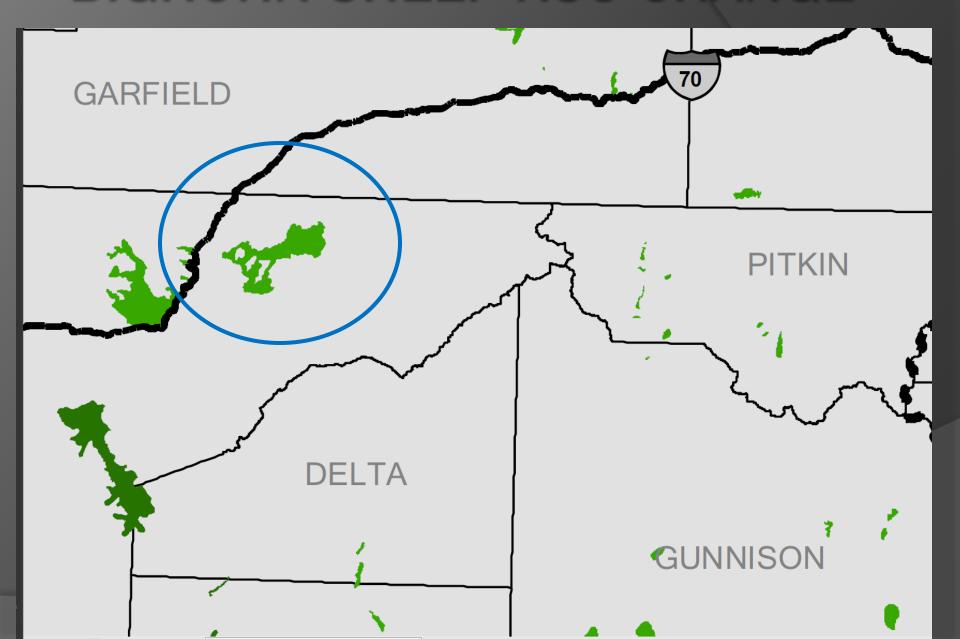
September, 2013 PROPOSED

⊿ Miles

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BIGHORN SHEEP RSO CHANGE



GREATER SAGE-GROUSE SWH MAP

- Delay consideration of greater sage-grouse SWH map
- In process of refining SWH for the Parachute-Piceance-Roan (PPR) population of greater sagegrouse using recent research data
- Update expected within ~5-6 months



NOTEWORTHY SWH MAP CHANGES

- Gunnison sage-grouse
 - Existing SWH map does not adequately identify habitat or account for disturbance – especially in satellite populations
 - Change to 4 mile buffers on active leks
 - 64% increase
- Lesser prairie-chicken
 - Propose to use Focal Areas as SWH based on 5-state rangewide plan
 - 86% increase





NOTEWORTHY SWH MAP CHANGES

- Reduction in Golden eagle nest sites (-82%)
- Reduction in mule deer critical winter range (-7%)
- 10% Net Change in total SWH habitat

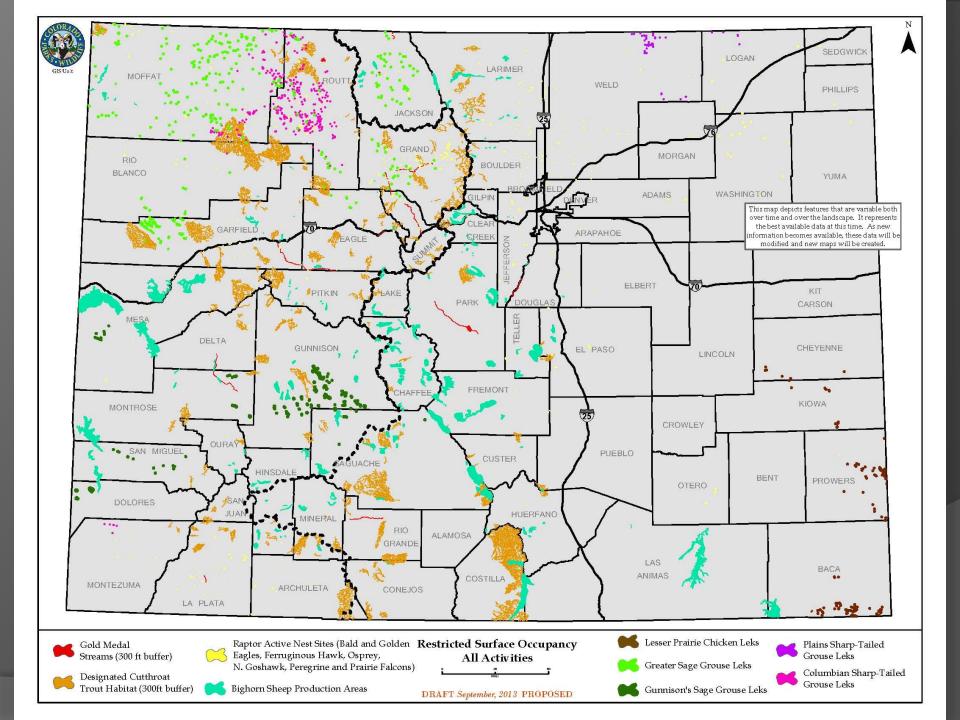


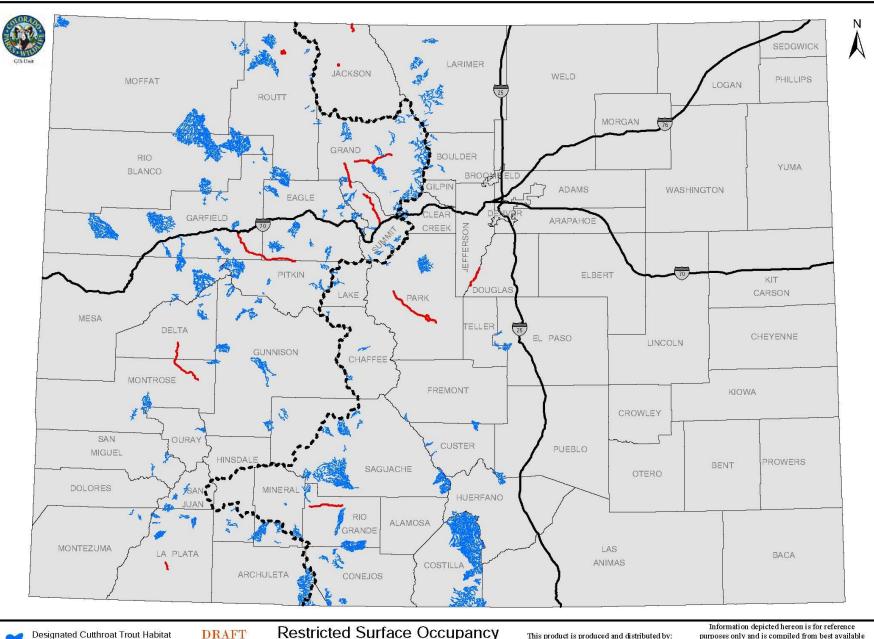
SWH DEFINITION CHANGES

- Gunnison sage-grouse (4-mile active lek buffers) and lesser-prairie chicken (focal areas) as described previously
- Correction to mule deer definition (original definition adopted in 2008 did not align with the approved map)
 - Includes winter concentration areas, and severe winter range in units with >7 deer per square kilometer











(300 ft buffer) Gold Medal Waters (300 ft buffer)

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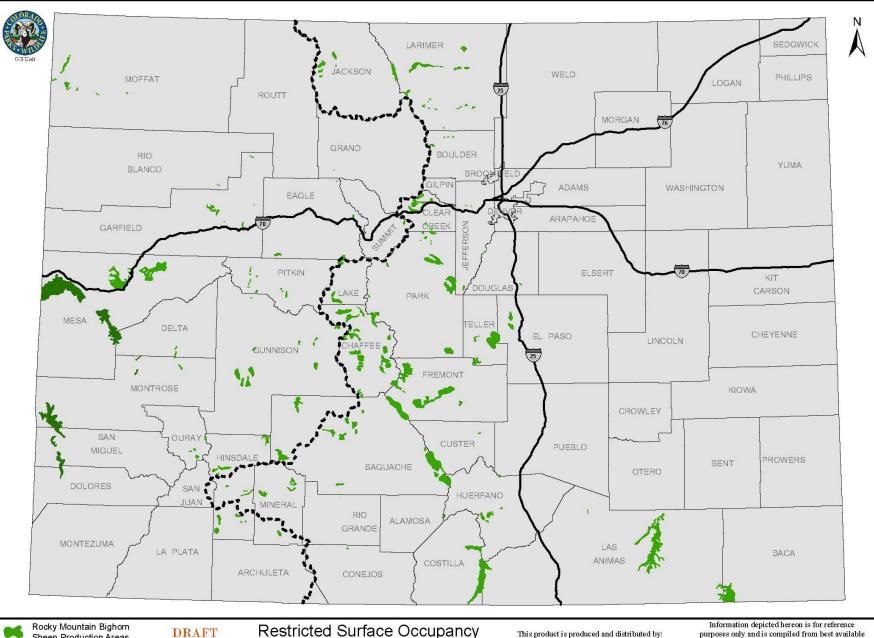
Restricted Surface Occupancy Designated Cutthroat Trout and

Gold Medal Waters

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Sheep Production Areas

Desert Bighom Sheep **Production Areas**

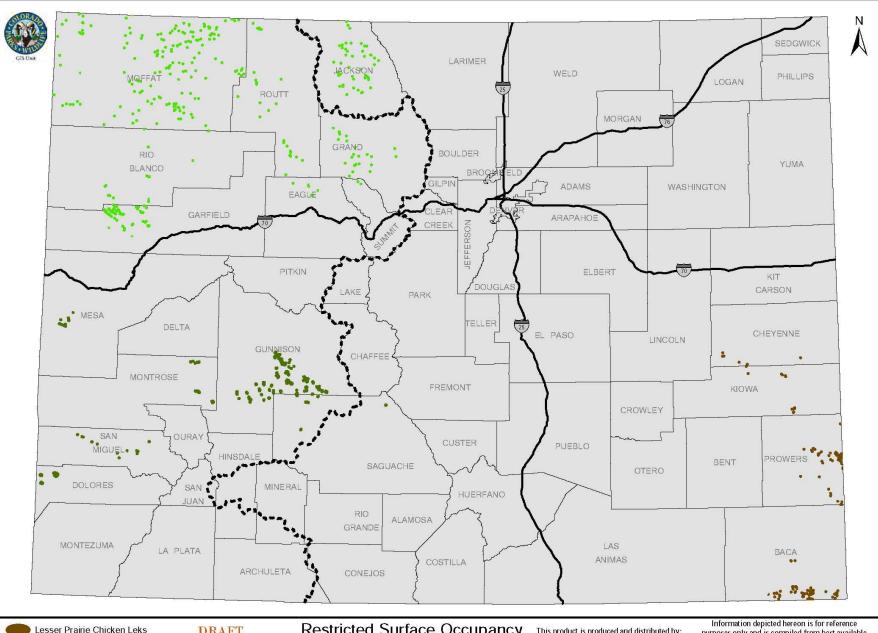
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Restricted Surface Occupancy Bighorn Sheep Production Areas

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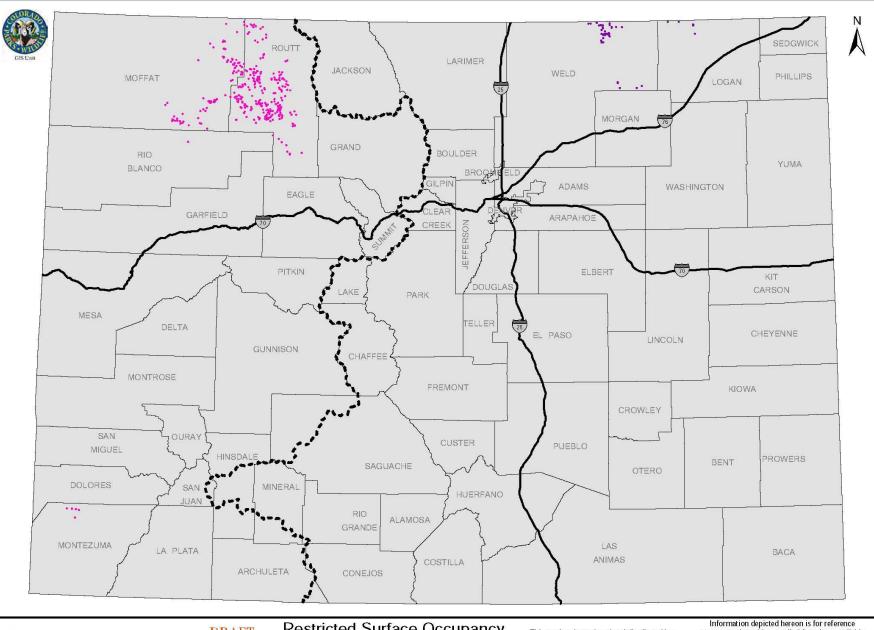


Lesser Prairie Chicken Leks
Greater Sage Grouse Leks
Gunnison's Sage Grouse Leks

DRAFT June, 2013 PROPOSED Restricted Surface Occupancy
Greater Sage-Grouse, Gunnison's Sage-Grouse,

Greater Sage-Grouse, Gunnison's Sage-Grouse,
Lesser Prairie-Chicken Leks

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Columbian Sharp-Tailed Grouse Leks
Plains Sharp-Tailed Grouse Leks

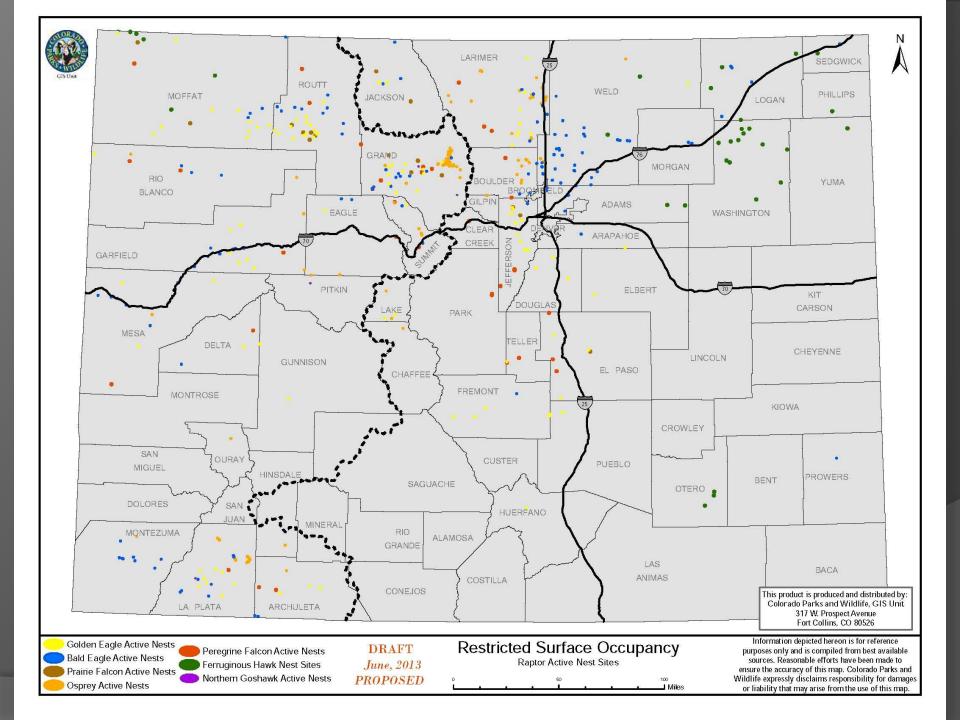
DRAFT June, 2013 PROPOSED Restricted Surface Occupancy
Columbian and Plains Sharp-Tailed

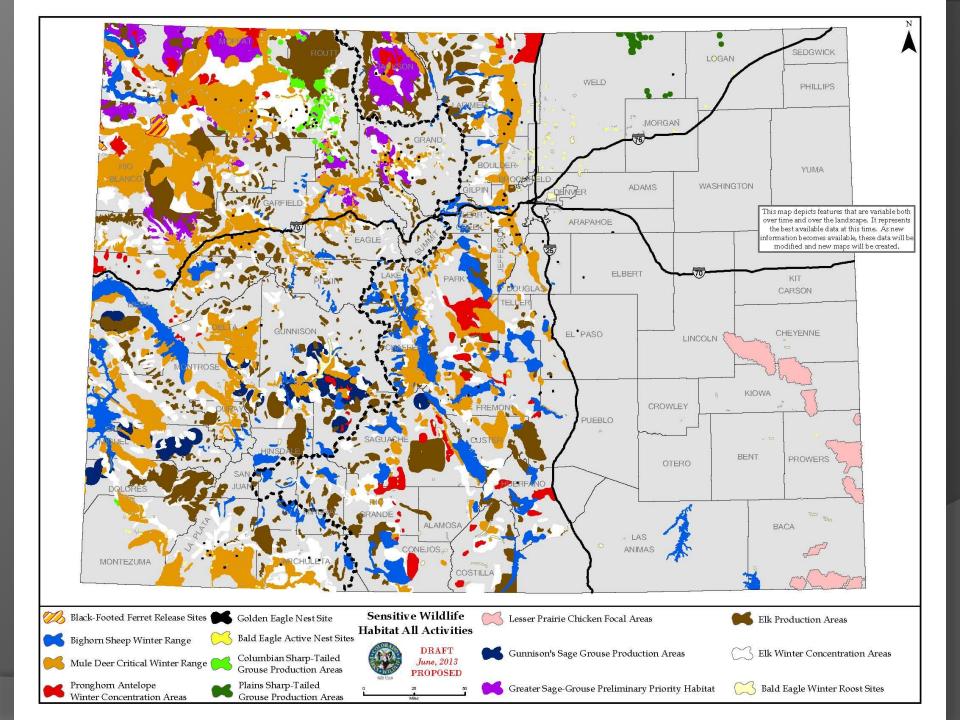
Grouse Leks

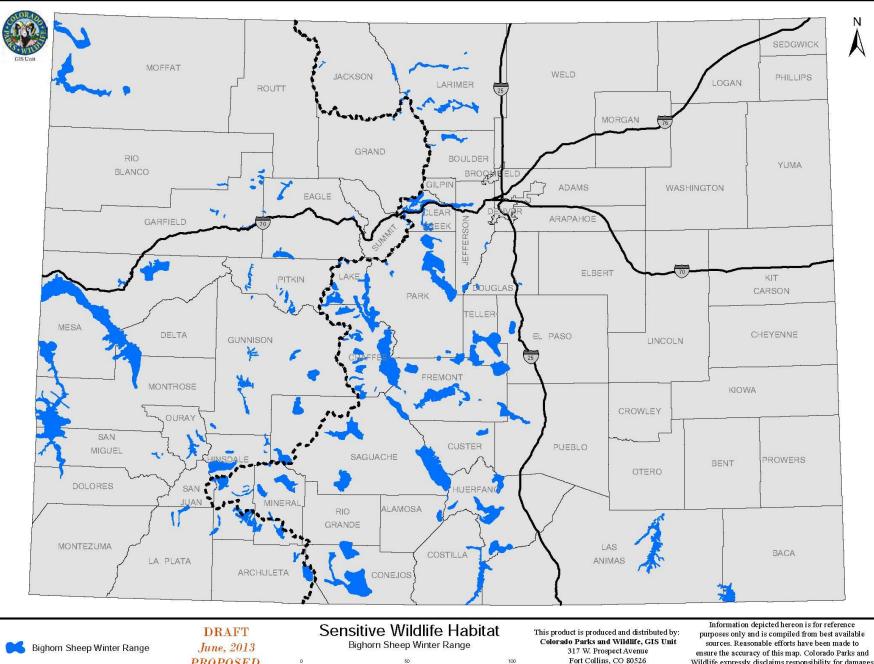
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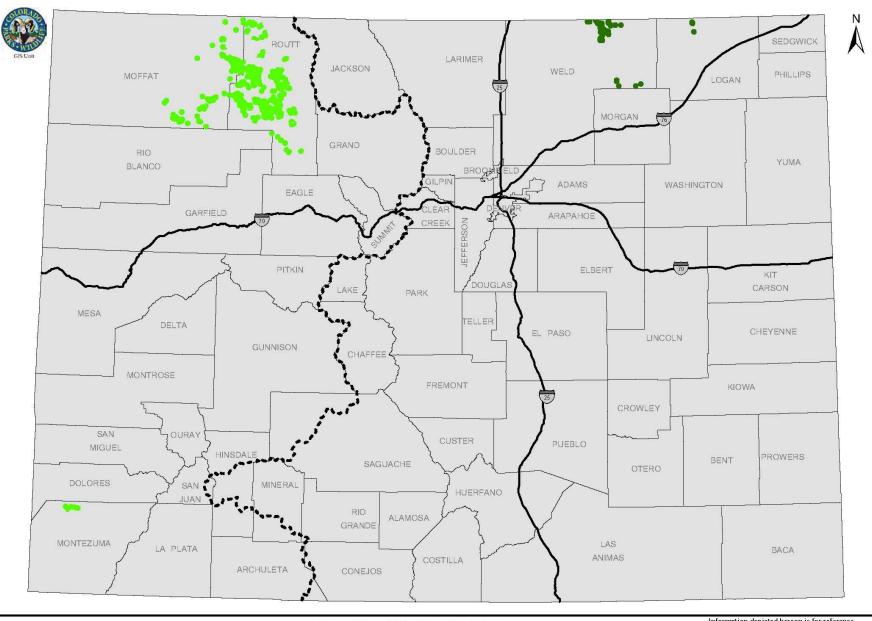


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Columbian Sharp-Tailed Grouse Production Areas
Plains Sharp-Tailed Grouse Production Areas

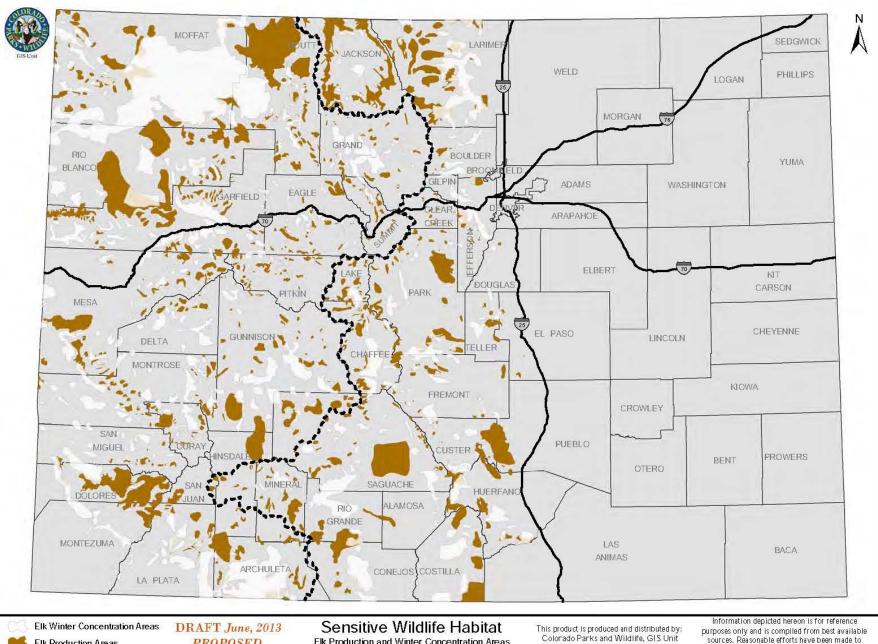
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Sensitive Wildlife Habitat Columbian and Plains Sharp-Tailed Grouse

umbian and Plains Sharp-Tailed Grou Production Areas This product is produced and distributed by: Colorado Parks and Wildlife, GIS Unit 317 W. Prospect Avenue Fort Collins, CO 80526

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Elk Production/Winter Concentration Areas

Elk Production Areas

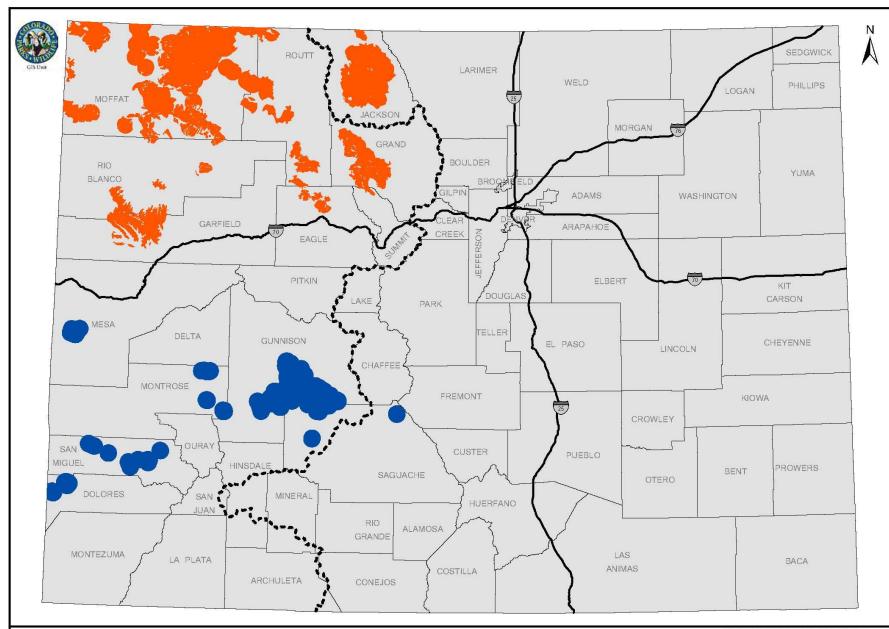
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Elk Production and Winter Concentration Areas

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Greater Sage Grouse Preliminary Priority Habitat Gunnison Sage Grouse Production Areas

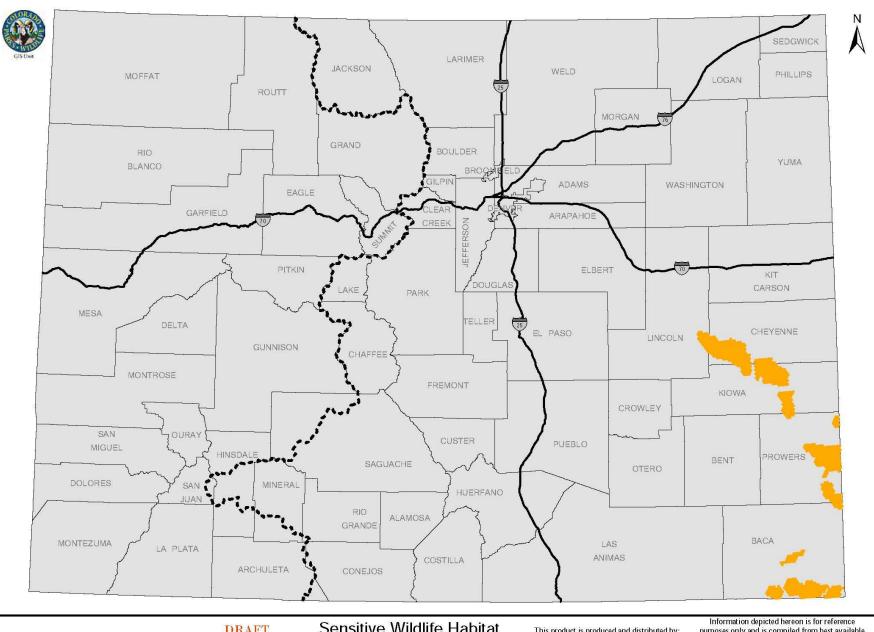
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Sensitive Wildlife Habitat

Greater Sage-Grouse Preliminary Priority Habitat and Gunnison Sage-Grouse Production Areas

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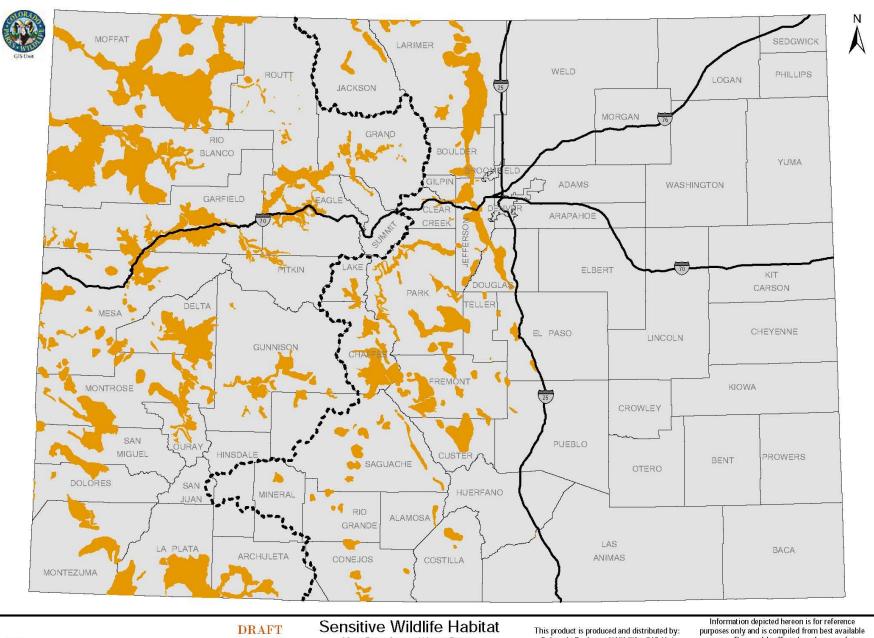
Lesser Prairie-Chicken Focal Areas

DRAFT June, 2013 PROPOSED Sensitive Wildlife Habitat Lesser Prairie-Chicken Focal Areas

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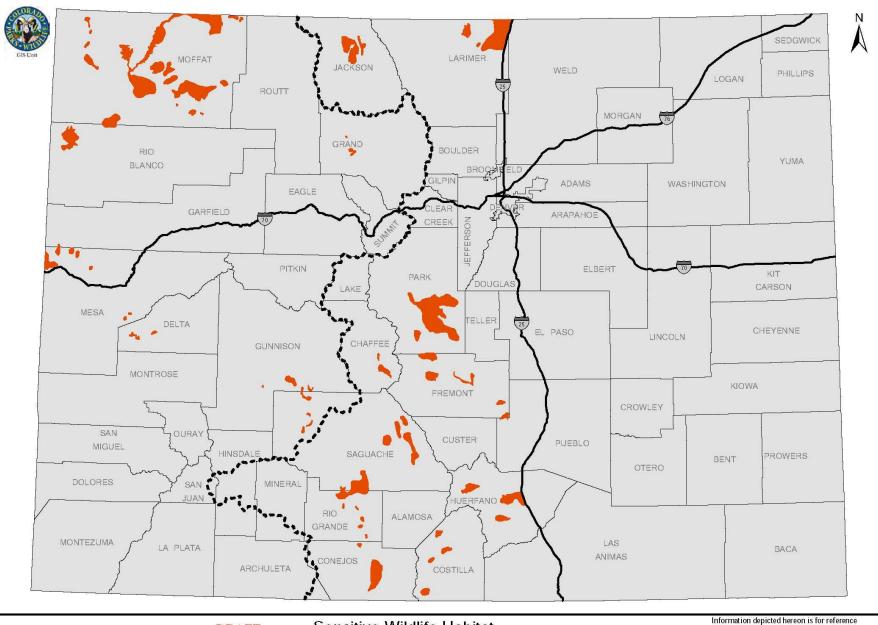
🝊 Mule Deer Critical Winter Range

June, 2013 PROPOSED. Mule Deer Critical Winter Range

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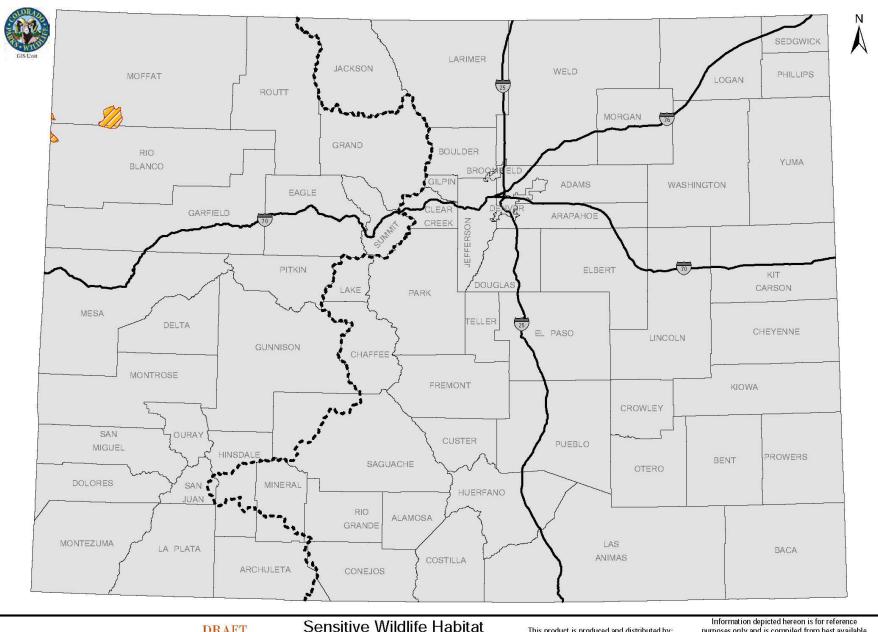


Pronghorn Winter Concentration Areas

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Pronghom Winter Concentration Areas

Prongnom winter Concentration Areas

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Black-footed Ferret Release Areas

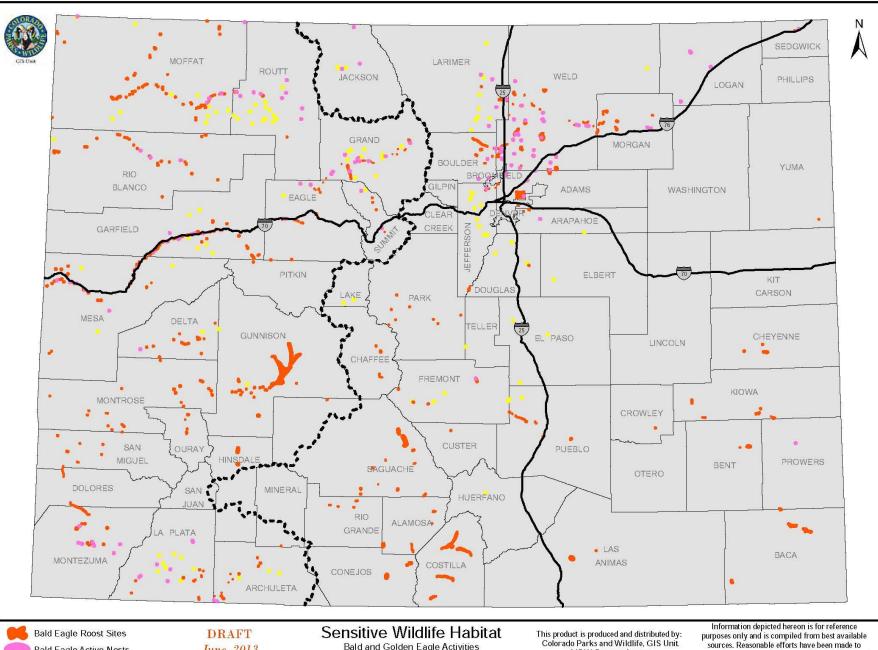
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Black-Footed Ferret Release Areas

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Bald Eagle Active Nests Golden Eagle Active Nests

June, 2013 PROPOSED Bald and Golden Eagle Activities

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Colorado Parks & Wildlife HB1298 RSO/SWH updates; September 2013

Restricted Surface Occupancy Datasets	Oct., 2008 Acreage	June, 2013 Acreage	Acreage Change	% Change
Bald Eagle Active Nest Sites	13,157	16,147	2,990	23%
Bighorn Sheep Production Areas	394,443	768,708	374,265	95%
Columbian Sharp-Tailed Grouse Lek Sites	76,706	92,664	15,958	21%
Cutthroat Trout Designated Critical Habitat	643,784	567,667	-76,117	-12%
Ferruginous Hawk Active Nest Sites	40,307	15,582	-24,725	-61%
Golden Eagle Active Nest Sites	77,533	12,967	-64,566	-83%
Gold Medal Waters	15,670	18,938	3,268	21%
Greater-Sage Grouse Lek Sites	298,214	217,858	-80,356	-27%
Gunnison-Sage Grouse Lek Sites	127,815	115,556	-12,259	-10%
Lesser Prairie Chicken Lek Sites	68,074	65,907	-2,167	-3%
Northern Goshawk Active Nest Sites	25,713	2,011	-23,702	-92%
Osprey Active Nest Sites	9,944	14,079	4,135	42%
Peregrine Falcon Active Nest Sites	78,904	18,232	-60,672	-77%
Prairie Falcon Active Nest Sites	24,053	8,203	-15,850	-66%
Plains Sharp-Tailed Grouse Lek Site	11,457	12,939	1,482	13%
Total	1,905,774	1,947,458	41,684	2%

Sensitive Wildlife Habitat Datasets	Oct., 2008 Acreage	June, 2013 Acreage	Acreage Change	% Change
Bald Eagle Active Nest Sites	52,202	62,118	9,916	19%
Bald Eagle Winter Night Roost Sites	166,074	194,080	28,006	1 7 %
Black-footed Ferret Release Sites	60,661	60,661	0	0%
Bighorn Sheep Winter Range	1,625,247	2,154,396	529,149	33%
Columbian Sharp-tailed Grouse Production Area	405,639	473,193	67,554	17%
Elk Production Area	3,699,798	4,484,188	784,390	21%
Elk Winter Concentration Area	5,419,275	6,099,289	680,014	13%
Golden Eagle Active Nest Sites	280,662	51,124	-229,538	-82%
Greater-Sage Grouse Production Area/Preliminary Priority Habitat	2,479,501	2,366,541	-112,960	-5%
Gunnison-Sage Grouse Production Area	650,845	1,066,858	416,013	64%
Lesser Prairie-Chicken Production Area/Focal Areas	338,314	628,081	289,767	86%
Mule Deer Critical Winter Range	6,196,460	5,757,800	-438,660	-7%
Pronghorn Winter Concentration Area	797,905	1,005,957	208,052	26%
Plains Sharp-tailed Grouse Production Area	74,779	68,819	-5 <i>,</i> 960	-8%
Total	22,247,362	24,473,103	2,225,741	10%