

Total acres of ecological sites in priority habitat that support sagebrush	Percent Anthropogenic Disturbance	Percent Total Disturbance				
xxxxx	xx	xx				
		Anthropogenic disturbance refers to physical removal of sagebrush habitat including but not limited to paved highways, graded gravel roads, transmission lines, substations, wind turbines, oil and gas wells, pipelines, landfills, homes and mines. Percentages are calculated for the Colorado Sage-Grouse Management Zone independent of surface ownership. Only the physical disturbance applies to this cap, and cap management includes no buffers to address disruptive issues.			Total disturbance is defined as loss of sagebrush from all causes including anthropogenic disturbance and wildfire, plowed field agriculture, and vegetation treatments. This cap is applied to all designated habitat in the entire management zone (independent of surface management) and is represented by total acres below.	
BLM Program	Threat	Map Criteria	#Acres applied to the 5% Anthropogenic Disturbance Cap	#Acres applied to the 30% Total Disturbance Cap	Data source for anthropogenic and/or total disturbance cap	Data gaps
Lands and Realty	Urbanization	Actual acres			City boundaries	Represented by road data - no data on structures
	Infrastructure (Power lines)	0-500 kv=150 feet wide (75’ on either side of center line)			GE power lines plus field office data	WFRO,CRVFO,LSFO not complete power line data
		>500 kv=250 feet wide (125’ on either side of center line)				
	Infrastructure (Comm towers)	2.5 acres per tower (56 meter radius from tower)				
	Other vertical structures	2.5 acres per tower (56 meter radius from tower)				
	Infrastructure (railroads)	30' footprint (15' on either side of center line)			CDOT	
	Energy (Renewable – Wind)	None in NW District				
	Energy (Renewable – Geothermal)	None in NW District				
	Transmission Corridors	Acres accounted for in transmission lines section				
Travel and Transportation	Trails/primitive roads	No acres counted against cap				
	BLM-maintained roads	24' footprint (12' on either side of center line)			Field office data	
	County roads	24' footprint (12' on either side of center line)			Field office/state hwy data	
	State/US Highways	84' footprint (42' on either side of center line)			Field office/state hwy data	
	Interstate	240' footprint (120' on either side of center line)			Field office/state hwy data	

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Fluid Minerals	Energy, nonrenewable (Oil and Gas)	10 acres/pad for 2004 to present; 5 acres/pad prior to 2004; The presumption is that pre 1980 pads are single well, and post 1980 pads are multi-well			IHS data	
	Underground Pipelines (Fluid minerals, water)	Known large or recent pipelines that are not revegetated - Total acres				Need to digitize
	Surface Pipelines where mowing/ surface disturbance occurs	Known large or recent pipelines that are not revegetated - Total acres				Need to digitize
Solid Minerals/ Saleable Minerals	Energy (Nonrenewable; Coal)	Actual acres from aerial photo			Field offices will digitize (LSFO, WRFO)	
	Commercial Mining - Active operations where there is heavy equipment and activity	Active mining claim layer anything map-able over 5 acres plus gravel pits (field office data)			LR2000; field office data	
	Mining (Mineral Materials Disposal Sites) Parking Lots, community rock permits, active disturbance areas, etc.	Mineral materials disposal sites - each FO to verify enough disturbance to warrant including parcel			BLM data	
Fuels Management	Vegetation Treatments	Vegetation treatment dataset minus polygons treated before 1980 and those specifically excluded; Assumption is that pre 1980 sites are back in sagebrush				Do not have up-to-date recovery (might overestimate)
	P-J (Conifer) Encroachment	No mapping for EIS				None currently mapped - likely do have map-able stands - will need to map in future

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Fire Operations	Fire History (Natural and Prescribed)	WFDSS and specific fire occurrence for blocks of 5 acres or more. Do not include if sagebrush is known not have achieved 12 % canyopy cover in Wyoming sagebrush or 15% Sagebrush in Mountain Sagebrush				Data only available from 1980 to present
Range Management	Invasive Plant (Exotic Annual Grass)	No mapping for EIS				None currently mapped - likely do have map-able stands - will need to map in future
	Grazing (Domestic Livestock)	No acres counted against cap				
	Infrastructure (Fences)	No acres counted against cap				Incomplete with known inaccuracies
	Habitat conversion to agriculture	Actual acres			USDA Cropland – use crop data minus hayfields	Cropland data doesn’t appear to match air photos; potential for inclusion of some hay ground
Wild Horses & Burros	Grazing (Wild Horses & Burros)	No acres counted against cap				

Field Not Applicable