

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORMSpecies: Circus beetle (*Eleodes hirtipennis*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A1	Known only from Great San Dunes National Park and Indian Springs Natural Area, Alamosa County, Colorado. Confidence in Rank High	<ul style="list-style-type: none"> • Triplehorn, C.A. 1964. A new species of Eleodes from Colorado (Coleoptera, Tenebrionidae). Ohio Journal of Science 64(1): 60. • Weissman, M.J. and B.C. Konmdratieff. 1999. An inventory of arthropod fauna at Great Sand Dunes National Monument, Colorado. University of Kansas Natural History Museum Special Publication 24:69-80.
2 Distribution outside R2	A	Known only from limited area in Colorado. Confidence in Rank High	<ul style="list-style-type: none"> • Triplehorn, C.A. 1964. A new species of Eleodes from Colorado (Coleoptera, Tenebrionidae). Ohio Journal of Science 64(1): 60. • Weissman, M.J. and B.C. Konmdratieff. 1999. An inventory of arthropod fauna at Great Sand Dunes National Monument, Colorado. University of Kansas Natural History Museum Special Publication 24:69-80.
3 Dispersal Capability	A	Flightless in all stages, limited dispersal ability beyond occupied localities. Confidence in Rank High	<ul style="list-style-type: none"> • Opler (personal assessment)
4 Abundance in R2	A	Limited is distribution to small sand dune area in Alamosa County. Confidence in Rank Medium	<ul style="list-style-type: none"> • Phyllis Pineda (personal assessment)

ATTACHMENT SS2

Species: Circus beetle (<i>Eleodes hirtipennis</i>)			
Criteria	Rank	Rationale	Literature Citations
5 Population Trend in R2	B	No information on specific numbers, but habitats are protected and there is no reason to suspect that the populations are anything other than stable. Confidence in Rank Medium	<ul style="list-style-type: none"> Phyllis Pineda (personal assessment)
6 Habitat Trend in R2	B	Amount is relatively stable from year-to-year. Habitat is sparsely vegetated Aeolian (wind-blown) sand dunes and flats. Confidence in Rank High	<ul style="list-style-type: none"> Pineda, Phyllis M. 1991. Natural history of the Great Sand Dunes tiger beetle, <i>Cicindela theatina</i> Rotger (Coleoptera: Carabidae), and invertebrate inventory at India Springs Natural Area Great Sand Dunes, Colorado. Masters Thesis, Department of Bioagricultural Sciences, Colorado State University, Fort Collins.
7 Habitat Vulnerability or Modification	A	Habitat is potential very vulnerable, but is protected and there are at present to foreseeable threats. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
8 Life History and Demographics	C	Adults of related <i>Eleodes</i> are long-lived (up to several years) and larvae feed on detritus under sand. Confidence in Rank High	<ul style="list-style-type: none"> Opler (personal assessment)
Initial Evaluator(s): Paul A. Opler, Professor, Colorado Statue University, Fort Collins, Colorado 80523			Date: 8/29/2001

ATTACHMENT SS2

National Forests in the Rocky Mountain Region where species is **KNOWN (K)** or **LIKELY(L)**¹ to occur:

<u>Colorado NF/NG</u>	Known	Likely	<u>Kansas NF/NG</u>	Known	Likely	<u>Nebraska NF/NG</u>	Known	Likely	<u>South Dakota NF/NG</u>	Known	Likely	<u>Wyoming NF/NG</u>	Known	Likely
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R.McKelvie NF			Black Hills NF			Shoshone NF		
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF		
Routt NF						Nebraska NF			Ft. Pierre NG			Black Hills NF		
Grand Mesa, Uncompahgre, Gunnison NF						Ogalala NG						Medicine Bow NF		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF		X												
Comanche NG														

¹ Likely is defined as more likely to occur than not occur on the National Forest or Grassland. This generally can be thought of as having a 50% chance or greater of appearing on NFS lands.