

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: A Tiger Beetle (<i>Cicindela nebraskana</i>)			
Criteria	Rank	Rationale	Literature Citations
<p>1 Distribution within R2</p>	B1	<p>Within Region occurs in North Dakota, NW South Dakota, Wyoming, and Colorado Front Range.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Kippenhan, M.G. 1994. The tiger beetles (Coleoptera: Cicindelidae) of Colorado. Transactions of the American Entomological Society 120:1-86. • Pearson, D.L., T.G. Barrachough, and A.P. Vogler. 1997. Distributional maps for North America species of Tiger Beetles (Coleoptera: Cicindelidae), <i>Cicindela</i> 29(3/4):33-44. • Carter, M.R. 1989. The biology and ecology of the tiger beetles (Coleoptera: Cicindelidae) of Nebraska. Transactions of the Nebraska Academy of Sciences 17:1-18.
<p>2 Distribution outside R2</p>	C	<p>Occurs in BC west to Sask in Canada, also in WA, OR, CA, ID, NV, MT and UT in West.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Pearson, D.L., T.G. Barrachough, and A.P. Vogler. 1997. Distributional maps for North America species of Tiger Beetles (Coleoptera: Cicindelidae), <i>Cicindela</i> 29(3/4):33-44.
<p>3 Dispersal Capability</p>	B	<p>Adults can fly, but do not do so readily.; dispersal behavior not studied.</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Opler (personal assessment)
<p>4 Abundance in R2</p>	B	<p>Quite a few populations, some quite large, no imminent threats to most of these.</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • Opler (personal assessment)

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Criteria	Rank	Rationale	Literature Citations
5 Population Trend in R2	A	Population is probably suffering an overall decline because of habitat loss, but specific information is not available. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
6 Habitat Trend in R2	B	Relatively stable, but no definite data on status. Probably an overall decline. Tiger beetle larvae live in burrows in habitat, which is grassy uplands, open forest, and clay banks. Confidence in Rank High	<ul style="list-style-type: none"> Pearson, D.L., T.G. Barrachough, and A.P. Vogler. 1997. Distributional maps for North America species of Tiger Beetles (Coleoptera: Cicindelidae), <i>Cicindela</i> 29(3/4):33-44.
7 Habitat Vulnerability or Modification	C	Habitat is relatively resilient to most kinds of disturbance except development and invasion by alien weeds. Overly hot fires could change nature of soil and thereby affect the sites where larval burrows occur—possibly rendering them unsuitable. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
8 Life History and Demographics	B	Because of the kind of habitats where the species is found, I believe they would have an intermediate ability to responds to disturbance. This is uncertain as no studies or information is available on which to base this estimate. Confidence in Rank Low	<ul style="list-style-type: none"> Opler (personal assessment)
Initial Evaluator(s): Paul A. Opler, Professor, Colorado Statue University, Fort Collins, Colorado 80523			Date: 09/06/2001

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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	X		Cimmaron NG			Samuel R.McKelvie NF			Black Hills NF	X		Shoshone NF		X
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF		X
Routt NF						Nebraska NF			Ft. Pierre NG			Black Hills NF		X
Grand Mesa, Uncompahgre, Gunnison NF						Ogalala NG						Medicine Bow NF		
San Juan NF												Thunder Basin NG		X
Rio Grande NF														
Pike-San Isabel NF														
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.