

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: Mottled duskywing ( <i>Erynnis martialis</i> )			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	<p>Within Region 2, species occurs mainly in patchy colonies along Rocky Mountain Front, Black Hills, Niobrara River escarpment, and prairie hills (mainly Kansas).</p> <p>Confidence in Rank <b>High</b></p>	<ul style="list-style-type: none"> <li>Opler, Stanford, and Pavulaan. 2001. Butterflies of North America. Web site of USGS.</li> <li>Stanford, R.E. 1981. <i>Hesperioidea in Ferris and Brown</i>. 1981. Butterflies of the Rocky Mountain States. University of Oklahoma Press, Norman.</li> <li>Opler, P.A. 1999. Field Guide to Western Butterflies. Houghton Mifflin Co., Boston, 540 pp.</li> </ul>
2 Distribution outside R2	C	<p>Species is common and widespread in eastern North America and southern Canada.</p> <p>Confidence in Rank <b>High</b></p>	<ul style="list-style-type: none"> <li>Opler, Stanford, and Pavulaan. 2001. Butterflies of North America. Web site of USGS.</li> <li>Opler, P.A. 1999. Field Guide to Western Butterflies. Houghton Mifflin Co., Boston, 540 pp.</li> </ul>
3 Dispersal Capability	D	<p>No information available on this species' dispersal characteristics, although species can fly readily. Since species congregates at hilltops, which may be away from host plant colonies, dispersal is greater than other more sedentary species.</p> <p>Confidence in Rank <b>Medium</b></p>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
4 Abundance in R2	C	<p>Overall, species abundance and occurrence is such that its persistence in the region is assured. Nevertheless, the species can be lost in local areas due to destruction of native prairie or stochastic events such as small population size and fire.</p> <p>Confidence in Rank <b>Medium</b></p>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
5 Population Trend in R2	B	<p>Believed to be a stable or slightly downward population trend, but no real data to support this estimate.</p> <p>Confidence in Rank <b>Medium</b></p>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>

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Species: Mottled duskywing ( <i>Erynnis martialis</i> )			
Criteria	Rank	Rationale	Literature Citations
6 Habitat Trend in R2	B	Believed to be a stable or slightly downward trend in occupied habitats, but no real data to support this estimate. Habitat in Region 2 is foothills or prairie hills with stands of <i>Ceanothus</i> .  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
7 Habitat Vulnerability or Modification	B	Habitat is subject to destruction by development, invasion of alien weeds, and loss to fire.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
8 Life History and Demographics		Populations occupy most suitable habitats and may or may not recolonize after habitats are disturbed by fire or other disturbance unless another occupied habitat is nearby. The caterpillar host plants are various species of <i>Ceanothus</i> including <i>C. fendleri</i> and <i>C. Americana</i> . Adults nectar at flowers of a variety of low plants.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
Initial Evaluator(s): Paul A. Opler, Professor, Colorado State University, Fort Collins, Colorado 80523			Date: 8/21/2001

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

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

<sup>1</sup> 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.