

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <b><i>Speyeria Nokomis nokomis</i>/Nokomis Fritillary (Great Basin silverspot butterfly)</b>			
Criteria	Rank	Rationale	Literature Citations
<b>1</b> Distribution within R2	<b>A3</b>	All populations in region are found in western Colorado and most occur as small isolated colonies associated with springs or seeps.  Confidence in Rank <b>High</b>	<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> <li>Ferris and Brown. 1981. Butterflies of the Rocky Mountain States. University of Oklahoma Press, Norman.</li> </ul>
<b>2</b> Distribution outside R2	<b>C</b>	Wide distribution in intermountain western states and northern Mexico in the Sierra Madre.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>Opler, Stanford, and Pavulaan. 2001. Butterflies of North America. Web site of USGS.</li> <li>Ferris and Brown. 1981. Butterflies of the Rocky Mountain States. University of Oklahoma Press, Norman.</li> </ul>
<b>3</b> Dispersal Capability	<b>B</b>	Adults can fly quite well, and may be efficient at colonizing suitable habitat within short distances.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
<b>4</b> Abundance in R2	<b>A</b>	Relatively few colonies are known within the region and several of these have become extirpated.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
<b>5</b> Population Trend in R2	<b>A</b>	No available data on population numbers and variation from year to year but known losses of populations point to an overall declining population.  Confidence in Rank <b>Medium</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>

ATTACHMENT SS2

Species: <b><i>Speyeria Nokomis nokomis</i>/Nokomis Fritillary (Great Basin silverspot butterfly)</b>			
Criteria	Rank	Rationale	Literature Citations
<b>6</b> Habitat Trend in R2	<b>A</b>	Known losses of populations and threats to others point to an overall negative trend in habitat amount and quality.  Confidence in Rank <b>Medium</b>	Opler (personal assessment)
<b>7</b> Habitat Vulnerability or Modification	<b>A</b>	The wetlands necessary to this butterfly's survival are subject to draining, capping of springs, development, and other causes. Several populations have been lost in the past due to the above factors.  Confidence in Rank <b>High</b>	<ul style="list-style-type: none"> <li>Opler (personal assessment)</li> </ul>
<b>8</b> Life History and Demographics	<b>A</b>	This species is dependant on wetlands fed by springs or seeps and any alteration of the vegetational composition of these grasslands by draining, capping of springs, development, and other causes has resulted in local extirpations. Violets are the only plants used as caterpillars hosts. The adults nectar on preferably on thistles, and milkweeds.  Confidence in Rank <b>High</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, CO 80523			Date: 8/25/2001

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

<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.

ATTACHMENT SS2

<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		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	X			Ogalala NG				Medicine Bow NF	
San Juan NF	X							Thunder Basin NG	
Rio Grande NF	X								
Pike-San Isabel NF									
Comanche NG									

Literature cited