

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: Buckmoth (<i>Hemileuca grotei diana</i>)			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B1	Habitat Gambel Oak brush is widely distributed in Region, but moth is only reported from three locations. It probably occurs more widely. Confidence in Rank Medium	<ul style="list-style-type: none"> Tuskes, Tuttle, and Collins. 1996. The wild silk moths of North America. Cornell University Press, Ithaca, 250 pp.
2 Distribution outside R2	B	Moth is known only from north and central Arizona outside this region. Confidence in Rank Medium	<ul style="list-style-type: none"> Tuskes, Tuttle, and Collins. 1996. The wild silk moths of North America. Cornell University Press, Ithaca, 250 pp.
3 Dispersal Capability	B	Species is most likely to readily disperse across its habitat based on studies and observations of related species. Confidence in Rank Medium	<ul style="list-style-type: none"> Tuskes, Tuttle, and Collins. 1996. The wild silk moths of North America. Cornell University Press, Ithaca, 250 pp.
4 Abundance in R2	B	Believed to be common enough in actuality that extirpation in Colorado is not likely. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
5 Population Trend in R2	B	No information on which to base judgment. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
6 Habitat Trend in R2	D	No information on which to base judgment. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)
7 Habitat Vulnerability or Modification	C	Gambel oak habitat seems to be pretty resilient but is subject to loss by development. Confidence in Rank Medium	<ul style="list-style-type: none"> Opler (personal assessment)

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Criteria	Rank	Rationale	Literature Citations
8 Life History and Demographics	B	High reproductive rate but potentially high mortality. Should be able to survive moderate amount of disturbance but not development, overly destructive fires, or other similar catastrophes.	<ul style="list-style-type: none"> Opler (personal assessment)
Initial Evaluator(s): Paul A. Opler, Professor, Colorado Statue University, Fort Collins, Colorado 80523			Date: 8/23/2001

National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)¹ 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		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	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.