

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

<p>Species: <i>Malaxis brachypoda</i> (Gray) Fern. / white adder's-mouth orchid / MABR5 Global rank: G4Q [Synonyms: <i>M. monophyllos</i> (L.) Sw. var. <i>brachypoda</i> (Gray) F. Morris & Eames; <i>M. monophyllos</i> (L.) Sw. ssp. <i>brachypoda</i> (Gray) A.&D. Love</p>			
Criteria	Rank	Rationale	Literature Citations
<p>1 Distribution within R2</p>	A	<p>S1 in CO Only 2 locations known in recent years</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • NatureServe 2001 • Jennings 1989
<p>2 Distribution outside R2</p>	B	<p>S1 in CA, IL, PA, NH, MA, RI, CT S2 in VT, WI; S3 in MN Reported in MI, IN, NY, AK, TN, TX</p> <p>In Canada: S1 in SK; S2 in MB, BC; S3 in NS; reported in YT, AB, QC S4 in ON</p> <p>Range: Newfoundland to Alaska, mostly in Canada, but also in the Great Lakes states and New England. In the contiguous western states, only known from CA and CO</p> <p>Widely disjunct at significant distance from R2</p> <p>Confidence in Rank Medium</p>	<ul style="list-style-type: none"> • NatureServe 2001 • Jennings 1989
<p>3 Dispersal Capability</p>	B	<p>Insufficient information available to assess dispersal capability in detail, but species appears to require habitat that is very uncommon on R2, so suitable habitat is limiting</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Jennings 1989
<p>4 Abundance in R2</p>	A	<p>Rare in R2 – 2 locations with very low numbers observed over several repeat visits</p> <p>Confidence in Rank High</p>	<ul style="list-style-type: none"> • Jennings 1989
<p>5 Population Trend in R2</p>	B	<p>Populations appear stable in location, although numbers fluctuate (ca 5-6 plants on average). No monitoring information available for the last 12 yrs</p> <p>Confidence in Rank Low</p>	<ul style="list-style-type: none"> • Jennings 1989

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6 Habitat Trend in R2	D	In Great Lakes region and New England, habitat is cold, wooded swamps, often in shallow, mossy depressions around trees (in northern part of its range, found in open wet meadows in full sun) IN CO, found in small, cool drainages on north slope of Green Mountain (Boulder Mountain Park) and near Wellington Lake (Pike NF map shows location to be private land) Insufficient data to determine habitat trend for this unusual cool and wet situation. Confidence in Rank High	<ul style="list-style-type: none"> Jennings 1989
7 Habitat Vulnerability or Modification	B	Habitat is rare- somewhat vulnerable to hiking impacts, impacts from nearby logging on private land Confidence in Rank Medium	<ul style="list-style-type: none"> Jennings 1989
8 Life History and Demographics	D	Insufficient information available to infer impacts of life history and demographics Confidence in Rank High	
Initial Evaluator(s): Beth A. Burkhart, Botanist – Species Conservation Project/Black Hills NF			Date: 09/18/2002

References:

Jennings, W.F. 1989. Final report for Colorado Natural History Small Grants Program, prepared for TNC: species studied – *Eustoma grandiflora*, *Spiranthes diluvialis*, *Malaxis brachypoda*, *Hypoxis hirsuta*, *Physaria bellii*, *Aletes humilis*. Unpublished.

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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>		<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
	?	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	?								
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.