

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: ***Cypripedium calceolus*** L. subsp. ***parviflorum*** (Salisb.)Hulten / small yellow lady's-slipper / CYCAP3 / CYP19
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	CO: 11 co's in cent 1/3 & sw. SD: Black Hills (also ne SD) NEB: nw (occurrences in se NEB called var. pubescens) (WY: occurrences all called var. pubescens) (e KS occurrences all called var. pubescens) Confidence in Rank Medium	<ul style="list-style-type: none"> • Spackman, et al. 1997, Magrath 1973, GPFA 1977, RM 2001, WYNDD 2001.
2 Distribution outside R2	C	Across Canada from Nfdl. to BC, south to GA, IA, NEB, CO, UT (Charles Sheviak has new taxonomic interpretation of yellow flowered Cypripediums (Sheviak 1994) which may alter the varietal distributions.) Confidence in Rank Medium	<ul style="list-style-type: none"> • NatureServe 2001, GPFA 1986,
3 Dispersal Capability	B	Tiny, lightweight seeds - dependent on mycorrhizal fungi for seedling establishment. Confidence in Rank Medium	<ul style="list-style-type: none"> •
4 Abundance in R2	B	ca. 20 occurrences in CO SD Black Hills - 12 historic occurrences, 10 recent NEB: few in Pine Ridge of nw NEB. Confidence in Rank Medium	<ul style="list-style-type: none"> • CONHP 2000, Spackman, et al. 1997, SDNHD 2001, Magrath 1973.
5 Population Trend in R2	A	Anecdotal evidence only. "The yellow ladies-slippers are rapidly disappearing from foothills canyons" (p. 242, McIntosh 1931). Suspect that it has been grazed out of readily accessible sites. Confidence in Rank Low	<ul style="list-style-type: none"> • McIntosh 1931,
6 Habitat Trend in R2	AB	In R2 it inhabits aspen forests, white spruce/paper birch, paper birch/hazelnut, Ponderosa pine/Douglas fir forests, 4,000 to 8,500 ft. In Black Hills much of the historic aspen has been converted to pine or spruce. Decline has been in terms of quality more than quantity. Confidence in Rank Medium	<ul style="list-style-type: none"> • Spackman, et al. 1997, Larson & Johnson 1999, SDNHD 2001.
7 Habitat Vulnerability or Modification	B	Plant itself is more vulnerable than its habitat, e.g. wildcrafting collectors. Confidence in Rank Medium	<ul style="list-style-type: none"> •

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8 Life History and Demographics	AB	Has very exacting seedling establishment requirements. Confidence in Rank Medium	<ul style="list-style-type: none"> see references for other Cypripediums
Evaluator(s): David J. Ode			Date: 16 November, 2001

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

Species Name: <i>Cypripedium calceolus</i>											
<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		Known		Known		Known		Known		Likely
	Likely		Likely		Likely		Likely		Likely		Likely
Arapaho-Roosevelt NF	X		Cimarron NG		Samuel R.McKelvie NF		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	
Grand Mesa, Uncompahgre, Gunnison NF					Ogalala NG				Medicine Bow NF		
San Juan NF		X							Thunder Basin NG		
Rio Grande NF		X									
Pike-San Isabel NF	X										
Comanche NG											
Pawnee NG											

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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.

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