

R2 Individual Species Recommendations

TAXON		Scientific Name		Common Name	
PP		PELLAEA ATROPURPUREA		Purple cliff-brake (purple-stem cliff-brake)	
FWS		FS		BLM	
Grank	CO S Rank	WY S Rank	SD S Rank	NE S Rank	KS S Rank
G5N5	S2S3	S1?	SR	S2	SR
CO Status		WY Status		SD Status	
IUCN	PIF – Area Importance		PIF – Population Trend		
FS Experts assigned Species Evaluation			Non-NFS Experts assigned Species Evaluations		
Reed Crook, Darcie Bacon BHNF			Caleb Morse KANU Joy Handley, Bonnie Heidel, Scott Laursen WYNDD		
Sensitive Species Recommendation (Please check 1 box below)					
<input type="checkbox"/> R2 Sensitive Species (SS)		<input type="checkbox"/> Not R2 SS, but should be considered for other Emphasis Species Lists			
<input checked="" type="checkbox"/> Not R2 SS and Not of Concern Now		<input type="checkbox"/> Insufficient Information Available to make a recommendation			
Recommendation Rationale					

P. atropurpurea is known from Quebec to MN, south to FL, SD, CO, AZ, northern Mexico. It's known from 5 extant locations in WY (may actually be *P. gastonyi*, see below), with only 1 location on BHNF. It's ranked as S1? in WY, S2S3 in CO, S2 in NE, and present but not ranked in Kansas and SD.

The occurrences are limited and abundance is never great at sites. There is confusion in identification with this species and *P. gastonyi*, and many voucher specimens from WY and SD are in the process of being reviewed. So far, all the SD and WY specimens at KANU have been annotated from *P. atropurpurea* to *P. gastonyi*. If this trend continues, the documented occurrences of *P. atropurpurea* will be even more sparse than presented above. This review of existing specimens needs to be accomplished and more specimens need to be collected and identified by the species expert Windham to figure out what's going on in SD/WY.

Although this identification issue needs to be resolved, even if all the *P. atropurpurea* specimens in SD are determined to be *P. gastonyi*, the distribution of occurrences and lack of threats to its habitat elsewhere in R2 is such that the viability of the species in R2 is not at risk. We recommend that this species be designated not sensitive and not of concern for viability issues.

Name/Title	Beth Burkhart, Botanist Reed Crook, Botanist	Date	
		10/03/20002	