

## R2 Individual Species Recommendations

<b>TAXON</b>	<b>Scientific Name</b>			<b>Common Name</b>	
PP	PELLAEA GASTONYI			Gastony's cliff-brake	
<b>FWS</b>	<b>FS</b>	<b>BLM</b>			
<b>Grank</b>	<b>CO S Rank</b>	<b>WY S Rank</b>	<b>SD S Rank</b>	<b>NE S Rank</b>	<b>KS S Rank</b>
<b>G2G4 N?</b>		<b>S1</b>	<b>SR</b>		
	<b>CO Status</b>	<b>WY Status</b>	<b>SD Status</b>	<b>NE Status</b>	<b>KS Status</b>
<b>IUCN</b>	<b>PIF – Area Importance</b>	<b>PIF – Population Trend</b>			
<b>FS Experts assigned Species Evaluation</b>			<b>Non-NFS Experts assigned Species Evaluations</b>		
Reed Crook, Darcie Bacon BHNH			Joy Handley, Bonnie Heidel, Scott Laursen WYNDD		
<b>Sensitive Species Recommendation</b> (Please check 1 box below)					
<input type="checkbox"/> R2 Sensitive Species (SS)		<input checked="" type="checkbox"/> Not R2 SS, but should be considered for other Emphasis Species Lists			
<input type="checkbox"/> Not R2 SS and Not of Concern Now		<input type="checkbox"/> Insufficient Information Available to make a recommendation			
<b>Recommendation Rationale</b>					
<p>In R2, <i>P. gastonyi</i> occurs only in the Black Hills NF (WY and SD). Outside R2, it occurs in Missouri, Alberta, British Columbia and Saskatchewan and has limited distribution in these areas. It's listed as S1 in WY, SR in SD and MO. <i>P. gastonyi</i> is of hybrid origin and the number of known populations is low. However, it can be generated de novo periodically from the parent species.</p> <p>There is confusion in identification with this species and <i>P. atropurpurea</i>, 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 <i>P. atropurpurea</i> to <i>P. gastonyi</i>. If this trend continues, the documented occurrences of <i>P. atropurpurea</i> will be more sparse and the documented occurrences of <i>P. gastonyi</i> will increase. 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.</p> <p>Although this identification issue needs to be resolved, if all the <i>P. atropurpurea</i> specimens in SD and WY are determined to be <i>P. gastonyi</i>, the distribution of occurrences of <i>P. gastonyi</i> will still remain very low. However, the fact that this hybrid can be regenerated periodically and lack of threats to its habitat in BHNH is such that the viability of the species in R2 does not seem to be at risk. We recommend that this species be designated not sensitive but should be considered for other emphasis species lists on BHNH.</p>					
<b>Name/Title</b>	Beth Burkhart, Botanist Reed Crook, Botanist			<b>Date</b>	10/03/2002