

R2 Individual Species Recommendations

TAXON	Scientific Name		Common Name		
PP	Botrychium lineare		Narrowleaf grapefern, slender moonwort		
FWS	FS	BLM			
C	R2				
Grank	CO S Rank	WY S Rank	SD S Rank	NE S Rank	KS S Rank
G1 N1	S1				
	CO Status	WY Status	SD Status	NE Status	KS Status
IUCN	PIF – Area Importance	PIF – Population Trend			
V					
FS Experts assigned Species Evaluation			Non-NFS Experts assigned Species Evaluations		
Beth Burkhardt, SCP Botanist					
Sensitive Species Recommendation (Please check 1 box below)					
<input checked="" type="checkbox"/>	R2 Sensitive Species (SS)	Not R2 SS, but should be considered for other Emphasis Species Lists			
	Not R2 SS and Not of Concern Now	Insufficient Information Available to make a recommendation			
Recommendation Rationale					
<p>There are 9, possibly 11, populations in the U.S. with very small total number of individuals (less than 200 known). Its habitat requirements are not understood. In CO it has been documented on grassy slopes, among medium height grasses, along edges of streamside forests. Some B. lineare populations are located on roadsides and may be affected by road maintenance activities including herbicide spraying and mowing. Other threats could include fire suppression, trampling or grazing by livestock or wildlife, exotic species invasion, road construction and other developments, timber harvest, and recreational impacts, although this is speculative. The extreme rarity of this species makes it vulnerable to extirpation due to random events. B. lineare is listed as USFWS Candidate species (warranted but precluded from listing). We conclude that sensitive species status is warranted, due to its rarity and viability concern. The Chief in a 1994 memo directed the Regional Foresters to include FWS Candidate Species on their sensitive species lists.</p>					
Name/Title	Andy Kratz and Nancy Warren			Date	Dec. 13, 2002