

R2 Individual Species Recommendations

TAXON	Scientific Name		Common Name		
II	<i>Hygrotus diversipes</i>		narrowfoot hygrotus diving beetle		
FWS	FS	BLM			
Grank	CO S Rank	WY S Rank	SD S Rank	NE S Rank	KS S Rank
G1G2		S1S2			
	CO Status	WY Status	SD Status	NE Status	KS Status
IUCN	PIF – Area Importance		PIF – Population Trend		
FS Species Evaluation Preparer			Non-NFS Species Evaluation Preparer		
Kathy Roche, Ecologist MBRTB					
Sensitive Species Recommendation (Please check 1 box below)					
	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>This diving beetle is known only to occur in WY. It has not been documented on NFS lands, but surveys have not been conducted. Two of the 11 known locations of this species are in stream locations upstream or upwind of the Thunder Basin National Grassland, which appears to have habitat similar to known occurrences. Habitat is described as a creek which in midsummer becomes a series of disconnected pools, or in small mineralized pools with salt crusts on the margins, with sedges and plant debris. It likely has 4 developmental stages: egg (attached to underwater plants); free-swimming aquatic larva; pupa (underground near the water); and adult (emerging in warm months and overwintering). Populations may fluctuate with water levels and time of year. Population or habitat trends are unknown. Water diversions and methane development have impacted the location where it was first described, although the species is still present at that site in good numbers. Additional surveys are needed to clarify its occurrence and distribution on Thunder Basin National Grassland. The species is not known to occur on NFS lands and its response to management activities are not well understood. At this time, there is insufficient information available to determine its appropriate status. Thunder Basin National Grassland is encouraged to conduct surveys to determine its distribution and potentially better define its habitat associations.</p>					
Name/Title	Nancy Warren, R2 TES Species Program Leader Bill Janowsky, Asst. Fisheries Program Leader			Date	3/30/09