

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Phenacobius mirabilis</i> -- Suckermouth minnow			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	B	Authors found it rarely in tributaries of the North Platte River in Goshen County: It is presently quite common in Horse Creek. See attachment SS2 for heritage status rank by state in R-2. Widespread in the streams of Kansas. Confidence in Rank High	<ul style="list-style-type: none"> • Baxter and Stone 1995 • Baxter and Simon 1970
2 Distribution outside R2	C	Authors found the range of the suckermouth minnow centers in western Mississippi Valley from South Dakota to Texas; it has apparently expanded its range eastward into the Ohio River Valley in recent decades. Common throughout most of its range, rare in Gulf drainages. Global heritage status rank of G5. Confidence in Rank High	<ul style="list-style-type: none"> • Baxter and Stone 1995 • Baxter and Simon 1970 • Natureserve • Usgs.gov/fishes/accounts • Fishbase.org
3 Dispersal Capability	B	Species is a riffle fish preferring clear water and a sand, gravel or rubble substrate. More tolerant of fluctuating water levels and high turbidity. Confidence in Rank Medium	<ul style="list-style-type: none"> • Baxter and Stone 1995 • Baxter and Simon 1970
4 Abundance in R2	A	See attachment SS2. Confidence in Rank High	<ul style="list-style-type: none"> • Baxter and Stone 1995 • Baxter and Simon 1970 • Natureserve
5 Population Trend in R2	B	Habitat has historically declined but appears to be stable. Therefore, populations are apparently stable? Confidence in Rank Low	<ul style="list-style-type: none"> •
6 Habitat Trend in R2	B	Plains species tolerant of moderate turbidity; runs and riffles of creeks and small to medium rivers with substrates ranging from sand and gravel to larger boulders. Spawns presumably over gravelly riffles. Habitat has declined in the past but currently appears to be stable? Confidence in Rank Low	<ul style="list-style-type: none"> • Natureserve

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Criteria	Rank	Rationale	Literature Citations
7 Habitat Vulnerability or Modification	B	Limited suitable habitat and low populations within region 2 suggests it is vulnerable. Confidence in Rank Low	•
8 Life History and Demographics	B	Populations suggests that populations will not be robust or respond rapidly to disturbance events in Region 2. Confidence in Rank Low	<ul style="list-style-type: none"> • Kruse 1998 • Duff 1996 • RM-GTR-258
Initial Evaluator(s): Ray Zubik, Forest Aquatic Biologist, Shoshone National Forest			Date: 09/28/2001

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

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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<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	Likely	Known	Likely	Known	Likely	Known	Likely	Known	Likely				
Arapaho-Roosevelt NF		Cimmaron NG		?	Samuel R. McKelvie NF		?	Black Hills NF		?	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											Thunder Basin NG		?
Rio Grande NF													
Pike-San Isabel NF													
Comanche NG													

? indicate possible areas where sp may occur base on broad distribution maps but author is unsure of detailed distribution

Heritage Status Ranks:

Kansas (S5), Nebraska (S4), South Dakota (SH), Wyoming (S2)

LITERATURE CITED

Interpretations based on references with very little personal working knowledge of the species.

Baxter and Simon, 1970. Wyoming Fishes.

Baxter and Stone, 1995. Fishes of Wyoming.

www.natureserve.org

<http://nas.er.usgs.gov/fishes/accounts>

www.fishbase.org