

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Phoxinus eos (Chrosomus eos)</i> – Northern redbelly dace			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	Critically imperiled in CO (State Endangered), Imperiled in SD (State Threatened), and Vulnerable in NE (State Threatened). Remaining populations in West Plum Creek (CO); Big Sioux, Minnesota, Niobrara and Crow Creek drainages (SD), and in NE. Confidence in Rank High	<ul style="list-style-type: none"> • www.NatureServe.org • CDOW, 1997 • USGS, Northern Prairie Wildlife Research Center
2 Distribution outside R2	C	National Rank is Demonstrably Secure. Vulnerable to Secure in most other states/provinces. Confidence in Rank High	<ul style="list-style-type: none"> • www.NatureServe.org
3 Dispersal Capability	B	Prefers spring-fed streams. Confidence in Rank Medium	<ul style="list-style-type: none"> • USGS, Northern Prairie Wildlife Research Center • SD Dept. Game, Fish & Parks. 1991. <i>The Fragile Legacy</i> (Ashton and Dowd, 1991)
4 Abundance in R2	A	Based on Ranking. Not known to occur on NFS lands in NE, or SD. Confidence in Rank Medium	<ul style="list-style-type: none"> • www.NatureServe.org • USGS, Northern Prairie Wildlife Research Center • SD Gap Project
5 Population Trend in R2	A	Based on Ranking. Confidence in Rank Medium	<ul style="list-style-type: none"> • www.NatureServe.org • USGS, Northern Prairie Wildlife Research Center
6 Habitat Trend in R2	A	Populations in CO have been reduced by stream channelization, discharge reductions, and water quality changes; now threatened by rapid human development. Threatened by activities that threaten spring-fed streams. Confidence in Rank Medium	<ul style="list-style-type: none"> • CDWO, 1997 • SD Dept. Game, Fish & Parks. 1991. <i>The Fragile Legacy</i> (Ashton and Dowd, 1991)
7 Habitat Vulnerability or Modification	D	Not known to occur on NFS lands in CO, NE, or SD; thus, not directly affected by FS land mgmt activities. Confidence in Rank Medium	<ul style="list-style-type: none"> • CDOW, 1997. • SD Gap Project

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8 Life History and Demographics	D	Species threatened by habitat modification. Confidence in Rank Medium	<ul style="list-style-type: none"> SD Dept. Game, Fish & Parks. 1991. <i>The Fragile Legacy</i> (Ashton and Dowd, 1991)
Initial Evaluator(s): Ann Gray Koch			Date: 07/19/2001

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

<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
		Cimmaron NG		Samuel R. McKelvie NF		Black Hills NF		Shoshone NF	
				Halsey NF		Buffalo Gap NG		Bighorn NF	
				Nebraska NF		Ft. Pierre NG		Black Hills NF	
				Ogalala NG				Medicine Bow NF	
								Thunder Basin NG	

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.