

ATTACHMENT SS2

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: <i>Picoides arcticus</i> /Black-backed Woodpecker			
Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	Only known to occur in the conifer and oak woodlands of the Black Hills region in R2. This population is relatively isolated from the bulk of its distribution found in boreal and montane coniferous forests (often with burned areas) north and west of R2. Found in Yellowstone and Teton areas west of R2 and predicted to occur in old-growth conifer and recently burned areas in on Shoshone NF, but not confirmed. This species is not found in the Southern Rockies despite appearance of appropriate habitat. The reason for its absence remains. Confidence in Rank High	1,2,3,5,6
2 Distribution outside R2	C	Bulk of distribution outside of R2. Found along boreal conifer forest belt across Canada and north east/north central US, into Alaska and down into NW US. Confidence in Rank High	1
3 Dispersal Capability	C	Species subject to irruptive movements in response to abundance of wood boring beetle larvae, mainly occurring in fire killed trees, and has '...a remarkable ability to travel long distances...dispersal ability well developed' (Dixon & Saab 2000). Confidence in Rank Medium	1
4 Abundance in R2	B	Uncommon based on limited distribution within R2 and habitat affinities. Very rare in Shoshone NF, if occurs at all. In areas where studies have been conducted outside of R2, species densities correlated with amount of burned area within forest. Confidence in Rank High	1,2,5
5 Population Trend in R2	D	BBS trend data insufficient to aid in trend estimation. Trend in Black Hills unknown, but numbers likely oscillate in response to prey availability. Logging and fire suppression play a role in region, hence trend likely negative. Confidence in Rank Medium	1,2,4
6 Habitat Trend in R2	A	Fire suppression logging pressure (particularly post-fire salvage logging) high in Black Hills area. Appropriate habitat is currently being lost. Confidence in Rank Medium	2

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7 Habitat Vulnerability or Modification	A	Habitat very vulnerable for reasons stated above. Confidence in Rank Medium	1
8 Life History and Demographics	C	1 brood/season, but will renest if clutch is lost. Ave. 1.6 fledglings per successful nest and success moderate to high. Population subject to declines/irruptions in response to prey availability. Confidence in Rank Medium	1,2
Initial Evaluator(s): Jason Bennett, Biologist, Wyoming Natural Diversity Database.			Date: 10 July 2001

Literature Citations:

- 1) Dixon, R. D., and V. A. Saab. 2000. Black-backed Woodpecker (*Picoides arcticus*). In *The Birds of North America*, No. 509 (A. Poole and F. Gill, eds.) The Birds of North America, Inc., Philadelphia, PA.
- 2) Wyoming Natural Diversity Database, 2001.
- 3) Merrill, E.H., T.W. Kohley, and M.E. Herdendorf. 1996. Wyoming Gap Analysis terrestrial vertebrate species map atlas. Wyoming Cooperative Fish and Wildlife Unit, University of Wyoming, Laramie WY. 982 pp. in 2 volumes.
- 4) Sauer, J. R., J. E. Hines, I. Thomas, J. Fallon, and G. Gough. 2000. The North American Breeding Bird Survey, Results and Analysis 1966 - 1999. Version 98.1, USGS Patuxent Wildlife Research Center, Laurel, MD.
- 5) Dorn, Jane L. and R.D. Dorn. 1990. Wyoming Birds. Mountain West Publishing, Cheyenne.
- 6) South Dakota Gap Analysis Program (SO GAP). 2001. Online predictive species distribution maps generated by the South Dakota Gap Analysis Program, Department of Wildlife and Fisheries Sciences and South Dakota Cooperative Fish and Wildlife Research Unit, South Dakota State University, Brookings, South Dakota.

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