

NMSE 2004

46

**Energy, Minerals and Natural Resources Department**



# New Mexico State Forestry

**Who we are**

## Endangered Plant Protection

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**New Mexico  
Fire Plan**

*The Forestry Division will work to identify and facilitate the recovery of species that are endangered.*

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**NM Forest  
& Watershed  
Health Plan**

### Inventory of Endangered Plants

**Fire  
Management**

(Presented by the New Mexico Rare Plant Technical Council)

**Forest  
Management**

Regulations pertaining to endangered plants (.pdf file)

**Seedling  
Program**

(you need this to read the Regulations)



**Fact Sheets**

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Information about the  
Fourth Southwestern Rare and Endangered Pl:  
Conference

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**This resource should be cited as:**

New Mexico Rare Plant Technical Council. 1999. New Mexico Rare Plants. Albuquerque, N  
New Mexico Rare Plants Home Page. <http://nmrareplants.unm.edu> (Version 15 March 2002)

**Note: This site does not work properly with Netscape 6.x.**

**About the Map Data:**

In using this web site you may discover some differences between the reports and their distri  
maps. Location information shown on the maps was obtained from herbarium specimen reco  
agency databases, and the scientific literature. Some map points may represent data entry err  
misidentified specimens in our herbaria, which highlights the need to re-examine specimens  
annotate them where appropriate. Other map points may represent range extensions that were  
unknown to the author of the report. Resolving cases where reports and maps differ is an ong  
process and we will modify our web site as these differences are identified and resolved. Plea  
contact us if you have information that will help in this efforts.



# New Mexico Rare Plants

## Agency Status of NM Rare Plants

Please note: Plants in parenthesis do not meet NMRPTC criteria for rarity, but do have status with one or more government agencies.

Taxon	USFWS	State of NM	USFS	BLM	NM Heritage Program	Navajo Nation
<i>Abronia bigelovii</i>	.	species of concern	.	.	G3 S3	.
<i>Adenophyllum wrightii</i> <i>var. wrightii</i>	species of concern	species of concern	sensitive	.	G2 SH	.
<i>Agastache cana</i>	.	species of concern	.	.	G4 S3	.
( <i>Agastache mearnsii</i> )	.	.	sensitive	.	G3Q S2	.
<i>Agastache pringlei</i> <i>var. verticillata</i>	.	species of concern	sensitive	.	G3G4T3? S3?	.
<i>Aletes macdougallii</i> <i>var. breviradiatus</i>	.	species of concern	.	.	.	.
( <i>Aletes sessiliflorus</i> )	.	.	sensitive	.	G3 S3	.
<i>Aliciella formosa</i>	species of concern	endangered	.	special status	G3 S3	.
( <i>Allium gooddingii</i> )	species of concern	endangered	sensitive	.	G3 S1	Group 3
<i>Amsonia fugatei</i>	.	species of concern	.	special status	G2 S2	.
<i>Amsonia tharpii</i>	species of concern	endangered	.	special status	G1 S1	.
<i>Anticlea mogollonensis</i>	.	species of concern	.	.	G4?Q	.
<i>Anulocaulis leiosolenus</i> <i>var. gypsogenus</i>	.	.	.	.	G4 S4	.
<i>Anulocaulis leiosolenus</i> <i>var. howardii</i>	.	species of concern	.	.	.	.
<i>Apacheria chiricahuensis</i>	.	species of concern	.	special status	G3 S3	.
<i>Aquilegia chrysantha</i> <i>var. chaplinei</i>	.	species of concern	sensitive	.	G4T2 S3	.
<i>Argemone pleiacantha</i> <i>ssp. pinnatisecta</i>	endangered	endangered	sensitive	special status	G5T2 S2	.
<i>Asclepias sanjuanensis</i>	.	species of concern	.	.	G3 SSYN	Group 4

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<i>(Asclepias uncialis)</i>	species of concern	.	sensitive	.	G3T2 S2	.
<i>Astragalus altus</i>	.	species of concern	sensitive	.	G2 S2	.
<i>Astragalus castetteri</i>	.	species of concern	.	.	G3 S3	.
<i>Astragalus chuskanus</i>	.	species of concern	.	.	G2? S2?	.
<i>Astragalus cobrensis</i> <i>var. maguirei</i>	species of concern	species of concern	sensitive	.	G4T2 S1	.
<i>Astragalus cottamii</i>	.	.	.	.	G4? S3	.
<i>Astragalus cyaneus</i>	.	.	.	.	G4 S4	.
<i>Astragalus feensis</i>	.	species of concern	.	.	G3 S3	.
<i>Astragalus gypsodes</i>	.	species of concern	.	.	G3 S3	.
<i>Astragalus humillimus</i>	endangered	endangered	.	special status	G1 S1	Group 2
<i>Astragalus kerrii</i>	.	species of concern	sensitive	special status	G3 S3	.
<i>Astragalus knightii</i>	species of concern	species of concern	.	special status	G2S3	.
<i>Astragalus micromerius</i>	.	species of concern	.	.	G2S2	.
<i>Astragalus missouriensis</i> <i>var. accumbens</i>	.	.	sensitive	special status	G3 S3	.
<i>Astragalus naturitensis</i>	.	species of concern	.	.	G2 S2	Group 4
<i>Astragalus neomexicanus</i>	.	species of concern	.	.	G3 S3	.
<i>Astragalus nutriosensis</i>	species of concern	species of concern	.	.	G1 S1	.
<i>Astragalus oocalycis</i>	.	species of concern	.	.	G4 S3	.
<i>Astragalus puniceus</i> <i>var. gertrudis</i>	.	species of concern	.	.	G4T3q S3?	.
<i>Astragalus ripleyi</i>	species of concern	species of concern	sensitive	special status	G3? S3?	.
<i>Astragalus siliceus</i>	.	species of concern	.	.	G3 S3	.
<i>(Astragalus waterfallii)</i>	.	.	sensitive	.	G3? S2	.
<i>Astragalus wittmannii</i>	.	species of concern	sensitive	.	G3 S3	.
	species of	species of		special	G3 S2	

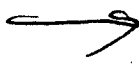
<i>Atriplex griffithsii</i>	concern	concern	.	status	.
<i>Besseyia oblongifolia</i>	.	species of concern	.	.	G2Q S2
<i>Brachystigma wrightii</i>	.	.	.	.	G4 S4
<i>Brickellia chenopodina</i>	.	.	.	.	GHQ SH
( <i>Brickellia simplex</i> )	.	.	sensitive	.	G3? S3?
( <i>Brickellia squamulosa</i> )	.	.	sensitive	.	G3? S3?
<i>Calochortus gunnisonii</i> var. <i>perpulcher</i>	.	.	.	.	G5T4? S4?
( <i>Carex ultra</i> )	.	.	sensitive	.	G3? S3?
<i>Castilleja organorum</i>	.	species of concern	.	special status	G3?Q S3
<i>Castilleja ornata</i>	species of concern	species of concern	.	special status	G3? S1
<i>Chaetopappa hersheyi</i>	species of concern	species of concern	.	.	G3 S3
( <i>Chenopodium cycloides</i> )	species of concern	.	sensitive	.	G3G4 S2S3
<i>Cirsium gilense</i>	.	species of concern	sensitive	.	G3G5Q S2
<i>Cirsium inornatum</i>	.	.	.	.	G4 S4
<i>Cirsium vinaceum</i>	threatened	endangered	sensitive	special status	G2 S2
<i>Cirsium wrightii</i>	species of concern	species of concern	sensitive	.	G2 S2?
<i>Clematis bigelovii</i>	.	.	sensitive	.	.
<i>Cleome multicaulis</i>	species of concern	endangered	.	special status	G2G3 S1SH
<i>Coryphantha scheeri</i> var. <i>scheeri</i>	.	endangered	.	special status	G4T3? S2?
( <i>Coryphantha scheeri</i> var. <i>uncinata</i> )	.	endangered	.	.	G4T1 S1
<i>Crataegus wootoniana</i>	.	species of concern	sensitive	.	G3? S3?
( <i>Cypripedium parviflorum</i> var. <i>pubescens</i> )	.	endangered	.	.	G5 S2?
( <i>Dalea pulchra</i> )	.	.	sensitive	.	G3? S3?
<i>Dalea scariosa</i>	.	.	.	special status	G4 S4
<i>Delphinium alpestre</i>	.	species of concern	.	.	G2G3 S2?
<i>Delphinium novomexicanum</i>	.	species of concern	sensitive	.	G3? S3?

<i>Delphinium robustum</i>	.	.	sensitive	.	G2? S?	.
<i>Delphinium sapellonis</i>	.	species of concern	.	.	G4? S4?	.
<i>Desmodium metcalfei</i>	.	.	sensitive	.	G3G4 S3?	.
<i>Draba mogollonica</i>	.	.	.	.	G4 S4	.
<i>Draba standleyi</i>	species of concern	species of concern	.	special status	G3 S1	.
<i>Echinocereus fendleri</i> <i>var. kuenzleri</i>	endangered	endangered	sensitive	special status	G4G5T1 S1	.
<i>Ephedra coryi</i>	.	.	.	.	G4 SR	.
<i>Ericameria nauseosa</i> <i>var. texensis</i>	species of concern	species of concern	sensitive	special status	G5T2 S2?	.
<i>Erigeron acomanus</i>	species of concern	species of concern	.	special status	G1G2 S1S2	Group 3
( <i>Erigeron bistiensis</i> )	.	.	.	.	G2? S2?	Group 4
<i>Erigeron hessii</i>	species of concern	endangered	sensitive	.	G1 S1	.
<i>Erigeron rhizomatus</i>	threatened	endangered	sensitive	special status	G2 S2	Group 2
<i>Erigeron rybius</i>	.	species of concern	.	.	G3 S3	.
<i>Erigeron scopulinus</i>	.	species of concern	.	special status	G3? S3?	.
<i>Erigeron sivinskii</i>	species of concern	species of concern	sensitive	special status	G2 S2	Group 4
<i>Erigeron subglaber</i>	.	species of concern	sensitive	.	G3 S3	.
<i>Eriogonum aliquantum</i>	.	species of concern	.	.	G3 S3	.
<i>Eriogonum capillare</i>	species of concern	species of concern	.	special status	G3 S1	.
<i>Eriogonum gypsophilum</i>	threatened	endangered	.	special status	G1 S1	.
<i>Eriogonum jamesii</i> var. <i>wootonii</i>	.	.	.	.	.	.
<i>Escobaria duncanii</i>	species of concern	endangered	.	special status	G1G2 S1	.
<i>Escobaria guadalupensis</i>	.	species of concern	sensitive	.	.	.
<i>Escobaria orcuttii</i>	.	species of concern	sensitive	.	G3 S3	.
<i>Escobaria organensis</i>	.	endangered	.	special status	G2Q S2	.
<i>Escobaria sandbergii</i>	.	species of	.	special	G2 S2	.

		concern		status		
<i>Escobaria sneedii</i> var. <i>leei</i>	threatened	endangered	sensitive	special status	G2T2 S2?	.
<i>Escobaria sneedii</i> var. <i>sneedii</i>	endangered	endangered	sensitive	special status	G2T2 S2?	.
<i>Escobaria villardii</i>	species of concern	endangered	sensitive	special status	G2? S2	.
( <i>Euphorbia delicatula</i> )	.	.	sensitive	.	G3? S2?	.
<i>Eurybia horrida</i>	.	species of concern	sensitive	.	G2? S2?	.
<i>Grindelia acutifolia</i>	.	.	.	.	G3? S3?	.
<i>Grindelia arizonica</i> var. <i>neomexicana</i>	.	.	sensitive	.	G3? S3?	.
( <i>Grindelia decumbens</i> var. <i>subincisa</i> )	.	.	sensitive	.	G4T3? S3?	.
<i>Hackelia hirsuta</i>	.	.	.	.	G4? S?	.
<i>Haplopappus microcephalus</i>	.	species of concern	sensitive	.	G3? S3?	.
<i>Hedeoma apiculata</i>	species of concern	species of concern	sensitive	.	G3 S3	.
<i>Hedeoma pulcherrima</i>	.	species of concern	.	.	G3 S3	.
<i>Hedeoma todsenii</i>	endangered	endangered	sensitive	special status	G2 S2	.
<i>Helianthus arizonensis</i>	.	.	.	.	G4? S4?	.
<i>Helianthus paradoxus</i>	threatened	endangered	.	special status	G2G3 S2S3	.
<i>Helianthus praetermissus</i>	.	.	.	.	GHQ SH	.
<i>Heuchera pulchella</i>	.	species of concern	.	.	G3 S3	.
<i>Heuchera wootonii</i>	.	species of concern	.	.	G3Q S3	.
<i>Hexalectris nitida</i>	species of concern	endangered	sensitive	special status	G3 S1	.
<i>Hexalectris spicata</i> var. <i>arizonica</i>	.	endangered	.	special status	.	.
<i>Hieracium fendleri</i> var. <i>mogollonense</i>	.	.	sensitive	.	G4T3? S2?	.
<i>Hymenoxys ambigens</i> var. <i>neomexicana</i>	.	species of concern	sensitive	.	.	.
<i>Hymenoxys brachyactis</i>	.	species of concern	sensitive	.	G3 S3	.



<i>(Hymenoxys olivacea)</i>	.	.	sensitive	.	G4 S2	.
<i>Hymenoxys vaseyi</i>	.	species of concern	.	.	G2? S2?	.
<i>Iliamna grandiflora</i>	.	.	.	.	G3?Q S3?	.
<i>Ionactis elegans</i>	species of concern	species of concern	.	.	G2 S2	.
<i>Ipomopsis sancti-spiritus</i>	endangered	endangered	sensitive	.	G1 S1	.
<i>Justicia wrightii</i>	species of concern	species of concern	.	special status	G2 S2	.
<i>Lepidospartum burgessii</i>	species of concern	endangered	.	special status	G2 S1	.
<i>Lesquerella aurea</i>	.	species of concern	sensitive	.	G3? S3?	.
<i>Lesquerella gooddingii</i>	.	species of concern	.	.	G3?Q S3	.
<i>Lesquerella gordonii var. densifolia</i>	.	species of concern	.	.	.	.
<i>Lesquerella lata</i>	.	.	.	.	G1?Q S1?	.
<i>Lesquerella navajoensis</i>	.	species of concern	.	.	.	Group 4
<i>Lesquerella pruinosa</i>	species of concern	species of concern	.	.	.	.
<i>(Lilium philadelphicum)</i>	.	endangered	.	.	G5 S3	.
<i>Limosella pubiflora</i>	species of concern	species of concern	.	special status	G1?Q S1?	.
<i>Lupinus sierrae-blancae</i>	.	species of concern	.	.	G3T3?Q S3	.
<i>Machaeranthera gypsitherma</i>	species of concern	species of concern	.	special status	G1 SX	.
<i>(Mammillaria wrightii var. wilcoxii)</i>	.	endangered	.	.	G3G4 S3S4	.
<i>Mentzelia conspicua</i>	.	species of concern	sensitive	.	.	.
<i>Mentzelia humilus var. guadalupensis</i>	.	species of concern	.	.	.	.
<i>Mentzelia springeri</i>	.	species of concern	.	.	G? S?	.
<i>Muhlenbergia villiflora var. villosa</i>	.	.	.	special status	G3Q SSYN	.
<i>Nama xylopodum</i>	.	.	.	.	G4? S4?	.
<i>Oenothera organensis</i>	species of concern	species of concern	.	special status	G2 S2	.



<i>Opuntia arenaria</i>	species of concern	endangered	.	special status	G2 S2	.
<i>Opuntia viridiflora</i>	species of concern	endangered	.	special status	G1?Q SSYN	.
<i>Packera cardamine</i>	.	species of concern	.	.	G3 S3?	.
( <i>Packera cynthioides</i> )	.	.	sensitive	.	G3? S3?	.
( <i>Packera neomexicana</i> var. <i>metcalfei</i> )	.	.	sensitive	.	G5T3? S3?	.
<i>Packera quaerens</i>	species of concern	species of concern	sensitive	.	G2 S2?	.
<i>Packera spellenbergii</i>	species of concern	species of concern	sensitive	.	G2? S2	.
<i>Panicum mohavense</i>	.	.	.	.	G4 S?	.
<i>Pediocactus knowltonii</i>	endangered	endangered	.	special status	G1 S1	.
<i>Pediomelum pentaphyllum</i>	species of concern	species of concern	.	special status	GH SH	.
<i>Peniocereus greggii</i> var. <i>greggii</i>	species of concern	endangered	.	special status	G4T2 S2T2	.
<i>Penstemon alamosensis</i>	species of concern	species of concern	sensitive	special status	G2G3 S2S3	.
<i>Penstemon breviculus</i>	.	species of concern	.	.	G3Q S3	.
<i>Penstemon cardinalis</i> ssp. <i>cardinalis</i>	.	species of concern	sensitive	.	G3T2 S2	.
<i>Penstemon cardinalis</i> ssp. <i>regalis</i>	.	species of concern	sensitive	.	G3T2 S2	.
<i>Penstemon deaveri</i>	.	.	.	.	.	.
<i>Penstemon lentus</i>	.	.	.	.	G4 S3?	.
<i>Penstemon linarioides</i> ssp. <i>maguirei</i>	.	.	.	.	G4T1 SH	.
<i>Penstemon metcalfei</i>	.	species of concern	sensitive	.	.	.
<i>Penstemon neomexicanus</i>	.	.	.	.	.	.
<i>Penstemon pseudoparvus</i>	.	species of concern	sensitive	.	G3?Q S3?	.
<i>Penstemon ramosus</i>	.	species of concern	.	.	G3 S3?	.
<i>Perityle cernua</i>	species of concern	species of concern	.	special status	G2 S2	.
<i>Perityle quinqueflora</i>	.	species of concern	.	.	G4 S3	.

<i>Perityle staurophylla</i> <i>var. homoflora</i>	.	species of concern	.	.	G4T2 S2	.
<i>Perityle staurophylla</i> <i>var. staurophylla</i>	.	species of concern	.	special status	G4 S4	.
<i>Phacelia serrata</i>	species of concern	species of concern	.	special status	G2 S2?	.
<i>Philadelphus</i> <i>microphyllus</i> <i>var.</i> <i>argyrocalyx</i>	.	.	.	.	G4 S3	.
<i>Philadelphus wootonii</i>	.	.	sensitive	.	G2?Q S2?	.
<i>Phlox caryophylla</i>	.	species of concern	.	.	G4 S2	.
<i>Phlox cluteana</i>	.	species of concern	.	.	G2 S1	.
<i>Physaria newberryi</i> <i>var. yesicola</i>	.	species of concern	.	.	.	.
( <i>Podostera eastwoodiae</i> )	.	.	sensitive	.	G3? S2?	.
<i>Polygala rimulicola</i> <i>var. mesclerorum</i>	.	endangered	.	special status	G2T1 S1	.
<i>Polygala rimulicola</i> <i>var. rimulicola</i>	.	species of concern	.	.	G3 S2	.
<i>Polygonatum cobrense</i>	.	.	.	.	.	.
( <i>Potentilla oblanceolata</i> )	.	.	.	.	G? S?	.
<i>Potentilla sierrae-</i> <i>blancae</i>	.	species of concern	.	.	G2? S2?	.
<i>Proatriplex pleiantha</i>	.	species of concern	.	.	G3 S3?	.
( <i>Proboscidea sabulosa</i> )	.	species of concern	.	special status	G3 S3	.
( <i>Pseudocymopterus longiradiatus</i> )	.	species of concern	.	.	G4? S2	.
<i>Pteryxia davidsonii</i>	.	species of concern	.	.	G3G4 S3?	.
<i>Puccinellia parishii</i>	species of concern	endangered	sensitive	special status	G1 S1	Group 3
<i>Ribes mesclerium</i>	.	.	.	.	.	.
<i>Rubus alicae</i>	.	.	.	.	GH SH	.
<i>Rumex tomentella</i>	.	.	.	.	GH SH	.
<i>Salix arizonica</i>	species of concern	species of concern	sensitive	.	G2 S1	.
<i>Salvia summa</i>	.	.	.	.	G3? S3?	.
<i>Sclerocactus cloveriae</i>	species of	endangered	.	special	G3T1 S3T1	.

<i>ssp. brackii</i>	concern			status		
<i>Sclerocactus mesae-verdae</i>	threatened	endangered	.	special status	G2 S2	Group 3
<i>Scrophularia laevis</i>	species of concern	species of concern	.	special status	G2 S2	.
<i>Scrophularia macrantha</i>	.	species of concern	sensitive	special status	G2 S2	.
<i>Sedum integrifolium ssp. neomexicanum</i>	.	species of concern	.	.	.	.
<i>Selaginella weatherbiana</i>	.	.	sensitive	.	G3G4 S2?	.
<i>Senecio sacramentanus</i>	.	species of concern	.	.	G3 S3?	.
<i>Sibara grisea</i>	.	species of concern	.	special status	G3? S3?	.
( <i>Sicyos glaber</i> )	.	species of concern	.	.	G3 S1S2	.
<i>Silene plankii</i>	.	species of concern	.	special status	G3 S3	.
<i>Silene thurberi</i>	.	.	.	.	G4 S3?	.
<i>Silene wrightii</i>	.	species of concern	.	special status	G3 S3	.
<i>Sophora gypsophila var. guadalupensis</i>	.	species of concern	sensitive	special status	G2G3T2 S2	.
<i>Sphaeralcea procera</i>	.	species of concern	.	special status	GHQ SH	.
<i>Sphaeralcea wrightii</i>	.	.	.	.	G4? S3?	.
( <i>Spiranthes magnicamporum</i> )	.	endangered	.	.	G3G4 S3?	.
<i>Stellaria porsildii</i>	species of concern	species of concern	sensitive	.	G1? S1?	.
<i>Stipa curvifolia</i>	.	.	.	special status	G4 S4	.
<i>Streptanthus sparsiflorus</i>	species of concern	species of concern	.	.	G2? S2?	.
<i>Talinum brachypodium</i>	.	.	sensitive	.	.	.
<i>Talinum humile</i>	species of concern	.	sensitive	special status	G3? S3?	.
( <i>Toumeyia papyracantha</i> )	.	.	.	special status	G3G4 S3S4	.
<i>Townsendia gypsophila</i>	species of concern	species of concern	.	special status	G3 S3?	.
<i>Trifolium brandgei</i>	.	.	.	.	G5 S3S4	.

<i>Trifolium longipes ssp. neurophyllum</i>	species of concern	species of concern	sensitive	.	G2 S2?	.
<i>Valeriana texana</i>	.	.	.	.	G3 S3	.
( <i>Woodsia cochisensis</i> )	.	.	sensitive	.	G3? S1?	.
( <i>Zaluzania grayana</i> )	.	.	sensitive	.	G3? S3?	.

## STATUS DEFINITIONS USED ON THE AGENCY STATUS PAGE OF NMRAREPLANTS WEB SITE

### **Agency: U.S. Fish and Wildlife Service (USFWS)**

**Source:** Charlie McDonald, Regional Botanist, U.S. Forest Service, Southwestern Region

**Endangered** - A species in danger of extinction throughout all or a significant portion of its range.

**Threatened** - A species likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

**Species of Concern** - A taxon for which further biological research and field study are needed to resolve their conservation status OR are considered sensitive, rare, or declining on lists maintained by Natural Heritage Programs, State wildlife agencies, other Federal agencies, or professional/academic scientific societies.

### **Agency: State of New Mexico**

**Sources:** New Mexico Administrative Code, Title 19, Chapter 21 Part 2.8 (Criteria for inclusion of the endangered plant species list), and Robert Sivinski, State Botanist

**Endangered** - The taxon is listed as threatened or endangered under the provisions of the Federal Endangered Species Act (16 U.S.C. Sections 1531 et seq.), or is considered proposed under the tenets of the act [10-29-85,]; or the taxon is a rare plant across its range within the state, and of such limited distribution and population size that unregulated taking could adversely impact it and jeopardize its survival in New Mexico. [10-29-85, 8-31-95]

**Species of Concern** - A New Mexico plant species, which should be protected from land use impacts when possible because it is a unique and limited component of the regional flora.

### **Agency: U.S. Forest Service (USFS)**

**Source:** Charlie McDonald, Regional Botanist, U.S. Forest Service, Southwestern Region

**Sensitive** - A species that is likely to occur or have habitat on National Forest Service System lands and that has been identified by the Regional Forester as of concern for

reduction in population viability as evidenced by: significant current or predicted downward trends in population numbers or density, or; significant current or predicted downward trends in habitat capability that would reduce the species' distribution.

**Agency: Bureau of Land Management (BLM)**

**Source:** BLM Manual 6840 Special Status Species Management, Glossary, page 62 provided by Cheryl Dyer

**Special status species:** includes the following;

- (1) proposed species- species that have been officially proposed for listing as threatened or endangered by the Secretary of the Interior. A proposed rule has been published in the Federal Register.
- (2) listed species-species officially listed as threatened or endangered by the Secretary of the Interior under the provisions of the ESA. A final rule for the listing has been published in the Federal Register.
  - (A) endangered species - any species which is in danger of extinction throughout all or a significant portion of its range.
  - (B) threatened species - any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.
- (3) candidate species -species designated as candidates for listing as threatened or endangered by the FWS and/or NMFS. A list has been published in the Federal Register.
- (4) State listed species -species listed by a State in a category implying but not limited to potential endangerment or extinction. Listing is either by legislation or regulation.
- (5) sensitive species are those designated by a State Director, usually in cooperation with the State agency responsible for managing the species and State Natural heritage programs, as sensitive. They are those species that: (1) could become endangered in or extirpated from a State, or within a significant portion of its distribution; (2) are under status review by the FWS and/or NMFS; (3) are undergoing significant current or predicted downward trends in habitat capability that would reduce a species= existing distribution; (4) are undergoing significant current or predicted downward trends in population or density such that federal listed, proposed, candidate, or State listed status may become necessary; (5) typically have small and widely dispersed populations; (6) inhabit ecological refugia or other specialized or unique habitats; or (7) are State listed but which may be better conserved through application of BLM sensitive species status.

**Agency: New Mexico Natural Heritage Program**

**Source:** New Mexico Natural Heritage Program Web Site viewed at: [http://nmmhp.unm.edu/ranks\\_status/ranks\\_status.pdf](http://nmmhp.unm.edu/ranks_status/ranks_status.pdf) Definitions of New Mexico Natural Heritage Program Ranks of Endangerment

### Global NHP Ranks

**GX Presumed Extinct**—Believed to be extinct throughout its range. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.

**GH Possibly Extinct**—Known from only historical occurrences, but may nevertheless still be extant; further searching needed.

**G1 Critically Imperiled**—Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. Typically 5 or fewer occurrences or very few remaining individuals (<1,000) or acres (<2,000) or linear miles (<10).

**G2 Imperiled**—Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction or elimination. Typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000) or acres (2,000 to 10,000) or linear miles (10 to 50).

**G3 Vulnerable**—Vulnerable globally either because very rare and local throughout its range, found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extinction or elimination. Typically 21 to 100 occurrences or between 3,000 and 10,000 individuals.

**G4 Apparently Secure**—Uncommon but not rare (although it may be rare in parts of its range, particularly on the periphery), and usually widespread. Apparently not vulnerable in most of its range, but possibly cause for long-term concern. Typically more than 100 occurrences and more than 10,000 individuals.

**G5 Secure**—Common, widespread, and abundant (although it may be rare in parts of its range, particularly on the periphery). Not vulnerable in most of its range. Typically with considerably more than 100 occurrences and more than 10,000 individuals.

### Variant Global Ranks

**G#G# Range Rank**—A numeric range rank (e.g., G2G3) is used to indicate uncertainty about the exact status of a taxon.

**GU Unrankable**—Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

**G? Unranked**—Global rank not yet assessed.

**HYB Hybrid**—Element not ranked because it represents an interspecific hybrid and not a species.

### Global Rank Qualifiers

**? Inexact Numeric Rank**—Denotes inexact numeric rank (e.g. G3?).

**Q Questionable taxonomy that may reduce conservation priority**—Distinctiveness of this entity as a taxon at the current level is questionable.

### Intraspecific Taxon Ranks

**T# Intraspecific Taxon (trinomial)**—The status of intraspecific taxa (subspecies or varieties) are indicated by a "T-rank" following the species' global rank. Rules for assigning T-ranks follow the same principles outlined above. For example, the global rank of a critically imperiled subspecies of an otherwise widespread and common species would be G5T1.

### State NHP Ranks

**Note: Migratory species receive 2 state ranks, one for Breeding status, one for Non-breeding status.**

**SX Presumed Extirpated**—Element is believed to be extirpated from NM. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.

**SH Possibly Extirpated (Historical)**—Element occurred historically in NM, and there is some expectation that it may be rediscovered. Its presence may not have been verified in the past 20 years. An element would become SH without such a 20-year delay if the only known occurrences in NM were destroyed or if it had been extensively and unsuccessfully looked for.

**S1 Critically Imperiled**—Critically imperiled in NM because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from New Mexico. Typically 5 or fewer occurrences or very few remaining individuals (<1,000).

**S2 Imperiled**—Imperiled in NM because of rarity or because of some factor(s) making it very vulnerable to extirpation from New Mexico. Typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000).

**S3 Vulnerable**—Vulnerable in NM either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extirpation. Typically 21 to 100 occurrences or between 3,000 and 10,000 individuals.

**S4 Apparently Secure**—Uncommon but not rare, and usually widespread in NM. Possible cause of long-term concern. Usually more than 100 occurrences and more than 10,000 individuals.

**S5 Secure**—Common, widespread, and abundant in NM. Essentially ineradicable under present conditions. Typically with considerably more than 100 occurrences and more than 10,000 individuals.

**S? Unranked**—NM rank not yet assessed.

**SU Unrankable**—Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

**S#S# Range Rank**—A numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status of the element. Ranges cannot skip more than one rank (e.g., SU is used rather than S1S4).

**HYB Hybrid**—Element not ranked because it represents an interspecific hybrid, not a species.

**SE** An exotic established in state; may be native elsewhere in North America; includes fish native to NM but introduced into watersheds where the species is non-native.

**SE# Exotic Numeric**—An exotic established in NM that has been assigned a numeric rank to indicate its status, as defined for S1 through S5.

**SA Accidental**—Accidental or casual in NM. In other words, infrequent and outside usual range. Includes species (usually birds or butterflies) recorded once or only a few times at a location. A few of these species may have bred on the one or two occasions they were recorded. Examples include European strays or western birds on the East Coast and vice-versa.

**SZ Zero Occurrences**—Present but lacking practical conservation concern in NM because there are no definable occurrences, although the taxon is native and appears regularly in the state. An SZ rank will generally be used for long distance migrants whose occurrences during their migrations have little or no conservation value for the migrant, as they are typically too irregular (in terms of repeated visitation to the same



locations), transitory, and dispersed to be reliably identified, mapped, and protected. In other words, the migrant regularly passes through the state, but enduring, mappable Element Occurrences cannot be defined.

**SP Potential**—Potential that element occurs in the state but no extant or historic occurrences are accepted.

**SR Reported**—Element reported in NM but without a basis for either accepting or rejecting the report, or the report not yet reviewed locally.

**SRD Dubious Report**—Element reported in NM but the report is likely to be invalid.

**SRF False Report**—Element reported in NM but the report is known to be invalid.

**Agency: Navajo Nation**

Source: Navajo Nation, Division of Natural Resources, Department of Fish and Wildlife, Navajo Endangered Species List (NESL), Resources Committee Resolution No. RCMA-31-01, March 2001. Provided by Daniela Roth.

**GROUP 1:** Those species or subspecies that no longer occur on the Navajo Nation.

**GROUP 2 (G2) & GROUP 3 (G3): "Endangered"**-- Any species or subspecies whose prospects of survival or recruitment within the Navajo Nation are in jeopardy or are likely within the foreseeable future to become so.

**G2:** A species or subspecies whose prospects of survival or recruitment are in jeopardy.

**G3:** A species or subspecies whose prospects of survival or recruitment are likely to be in jeopardy in the foreseeable future.

**GROUP 4:** Any species or subspecies for which the Navajo Nation Department of Fish and Wildlife (NNDFWL) does not currently have sufficient information to support their being listed in G2 or G3 but has reason to consider them. The NNDFWL will actively seek information on these species to determine if they warrant inclusion in a different group or removal from the list.

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