

**Appendix A: Endangered and Threatened Species Known to Occur on NFS Lands
as of 12/03/2010**

Common Name	Federal Status	Scientific Name	Major Group	Sub-group
Spruce-fir moss spider	E	<i>Microhexura montivaga</i>	Invertebrate	Arachnids
Conservancy fairy shrimp	E	<i>Branchinecta conservatio</i>	Invertebrate	Crustaceans
Longhorn fairy shrimp	E	<i>Branchinecta longiantenna</i>	Invertebrate	Crustaceans
Vernal Pool fairy shrimp	T	<i>Branchinecta lynchi</i>	Invertebrate	Crustaceans
A crayfish	E	<i>Cambarus aculabrum</i>	Invertebrate	Crustaceans
Hell Creek cave crayfish	E	<i>Cambarus zophonastes</i>	Invertebrate	Crustaceans
Vernal pool tadpole shrimp	E	<i>Lepidurus packardii</i>	Invertebrate	Crustaceans
Shasta crayfish	E	<i>Pacifastacus fortis</i>	Invertebrate	Crustaceans
Uncompahgre fritillary butterfly	E	<i>Boloria improba acrocneema</i>	Invertebrate	Insects
Valley elderberry longhorn beetle	T	<i>Desmocerus californicus dimorphus</i>	Invertebrate	Insects
Smith's blue butterfly	E	<i>Euphilotes enoptes smithi</i>	Invertebrate	Insects
Quino Checkerspot butterfly	E	<i>Euphydryas editha quino</i>	Invertebrate	Insects
Kern primrose sphinx moth	T	<i>Euproserpinus euterpe</i>	Invertebrate	Insects
Pawnee montane skipper	T	<i>Hesperia leonardus montana</i>	Invertebrate	Insects
Karner blue butterfly	E	<i>Lycaeides melissa samuelis</i>	Invertebrate	Insects
Mitchell's satyr	E	<i>Neonympha mitchelli mitchelli</i>	Invertebrate	Insects
American burying beetle	E	<i>Nicrophorus americanus</i>	Invertebrate	Insects
Carson wandering skipper	E	<i>Pseudocopaedodes eunus obscurus</i>	Invertebrate	insects
Laguna Mountains skipper	E	<i>Pyrgus ruralis lagunae</i>	Invertebrate	Insects
Hine's emerald dragonfly	E	<i>Somatochlora hineana</i>	Invertebrate	Insects
Oregon silverspot butterfly	T	<i>Speyeria zerene hippolyta</i>	Invertebrate	Insects
Cumberland elktoe	E	<i>Alasmidonta atropurpurea</i>	Invertebrate	Molluscs
Dwarf wedgemussel	E	<i>Alasmidonta heterodon</i>	Invertebrate	Molluscs
Appalachian elktoe	E	<i>Alasmidonta raveneliana</i>	Invertebrate	Molluscs
Fat three-ridge mussel	E	<i>Amblema neislerii</i>	Invertebrate	Molluscs
Ouachita rock pocketbook	E	<i>Arkansia wheeleri</i>	Invertebrate	Molluscs
Fanshell	E	<i>Cyrogenia stegaria</i>	Invertebrate	Molluscs
Dromedary pearlymussel	E	<i>Dromus dromas</i>	Invertebrate	Molluscs
Purple bankclimber mussel	T	<i>Elliptoideus sloatianus</i>	Invertebrate	Molluscs
Cumberlandian combshell	E	<i>Epioblasma brevidens</i>	Invertebrate	Molluscs
Oyster mussel	E	<i>Epioblasma capsaeformis</i>	Invertebrate	Molluscs
Curtis pearlymussel	E	<i>Epioblasma florentina curtisi</i>	Invertebrate	Molluscs
Yellow blossom (pearlymussel)	E	<i>Epioblasma florentina florentina</i>	Invertebrate	Molluscs
Tan riffleshell	E	<i>Epioblasma florentina walkeri</i>	Invertebrate	Molluscs
Upland combshell	E	<i>Epioblasma metastriata</i>	Invertebrate	Molluscs
Purple cat's paw pearlymussel	E	<i>Epioblasma obliquata obliquata</i>	Invertebrate	Molluscs
Southern acornshell	E	<i>Epioblasma othcaloogensis</i>	Invertebrate	Molluscs
Green blossom (pearlymussel)	E	<i>Epioblasma torulosa gubernaculum</i>	Invertebrate	Molluscs
Northern riffleshell	E	<i>Epioblasma torulosa rangiana</i>	Invertebrate	Molluscs
Tubercled-blossom pearlymussel	E	<i>Epioblasma torulosa torulosa</i>	Invertebrate	Molluscs
Turgid blossom	E	<i>Epioblasma turgidula</i>	Invertebrate	Molluscs
Shiny pigtoe	E	<i>Fusconaia cor</i>	Invertebrate	Molluscs
Finerayed pigtoe	E	<i>Fusconaia cuneolus</i>	Invertebrate	Molluscs
Cracking pearlymussel	E	<i>Hemistena lata</i>	Invertebrate	Molluscs
Pink mucket	E	<i>Lampsilis abrupta</i>	Invertebrate	Molluscs
Finelined pocketbook	T	<i>Lampsilis altilis</i>	Invertebrate	Molluscs
Orangenacre mucket	T	<i>Lampsilis perovalis</i>	Invertebrate	Molluscs
Arkansas fatmucket	T	<i>Lampsilis powellii</i>	Invertebrate	Molluscs
Shinyrayed pocketbook	E	<i>Lampsilis subangulata</i>	Invertebrate	Molluscs
Carolina heelsplitter	E	<i>Lasmigona decorata</i>	Invertebrate	Molluscs
Birdwing pearlymussel	E	<i>Lemiox rimosus</i>	Invertebrate	Molluscs
Scaleshell mussel	E	<i>Leptodea leptodon</i>	Invertebrate	Molluscs
Louisiana pearlshell	T	<i>Margaritifera hembeli</i>	Invertebrate	Molluscs
Alabama moccasinshell	T	<i>Medionidus acutissimus</i>	Invertebrate	Molluscs
Coosa moccasinshell	E	<i>Medionidus parvulus</i>	Invertebrate	Molluscs
Ochlockonee moccasinshell	E	<i>Medionidus simpsonianus</i>	Invertebrate	Molluscs
Ring Pink (mussel)	E	<i>Obovaria retusa</i>	Invertebrate	Molluscs

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Littlewing pearlymussel	E	<i>Pegias fabula</i>	Invertebrate	Molluscs
Orangefoot pimpleback	E	<i>Plethobasus cooperianus</i>	Invertebrate	Molluscs
Clubshell	E	<i>Pleurobema clava</i>	Invertebrate	Molluscs
James spiny mussel	E	<i>Pleurobema collina</i>	Invertebrate	Molluscs
Southern clubshell	E	<i>Pleurobema decisum</i>	Invertebrate	Molluscs
Dark pigtoe	E	<i>Pleurobema furvum</i>	Invertebrate	Molluscs
Southern pigtoe	E	<i>Pleurobema georgianum</i>	Invertebrate	Molluscs
Ovate clubshell	E	<i>Pleurobema perovatum</i>	Invertebrate	Molluscs
Rough pigtoe	E	<i>Pleurobema plenum</i>	Invertebrate	Molluscs
Oval pigtoe	E	<i>Pleurobema pyriforme</i>	Invertebrate	Molluscs
Heavy pigtoe	E	<i>Pleurobema taitanum</i>	Invertebrate	Molluscs
Fat pocketbook	E	<i>Potamilus capax</i>	Invertebrate	Molluscs
Heavy pigtoe	E	<i>Potamilus inflatus</i>	Invertebrate	Molluscs
Triangular kidneyshell	E	<i>Ptychobranchus greenii</i>	Invertebrate	Molluscs
Rough rabbitsfoot	E	<i>Quadrula cylindrica strigillata</i>	Invertebrate	Molluscs
Winged maplefoot	E	<i>Quadrula fragrosa</i>	Invertebrate	Molluscs
Cumberland monkeyface (pearlymussel)	E	<i>Quadrula intermedia</i>	Invertebrate	Molluscs
Appalachian monkeyface	E	<i>Quadrula sparsa</i>	Invertebrate	Molluscs
Purple bean mussel	E	<i>Villosa perpurpurea</i>	Invertebrate	Molluscs
Cumberland bean pearlymussel	E	<i>Villosa trabalis</i>	Invertebrate	Molluscs
Tumbling Creek cave snail	E	<i>Antrobia culveri</i>	Invertebrate	Snails
Lacy elimia	T	<i>Elimia crenatella</i>	invertebrate	Snails
Magazine mountain shagreen	T	<i>Inflectarius magazinensis</i>	Invertebrate	Snails
Round rocksnail	T	<i>Leptoxis ampla</i>	Invertebrate	Snails
Painted rocksnail	T	<i>Leptoxis taeniata</i>	Invertebrate	Snails
Flat pebblesnail	E	<i>Lepyrium showalteri</i>	Invertebrate	Snails
Cylindrical lioplax	E	<i>Lioplax cyclostomaformis</i>	Invertebrate	Snails
Noonday globe	T	<i>Patera clarki nantahala</i>	Invertebrate	Snails
Alamosa springsnail	E	<i>Tryonia alamosae</i>	Invertebrate	Snails
Tulotoma snail	E	<i>Tulotoma magnifica</i>	Invertebrate	Snails
Hart's tongue fern	T	<i>Asplenium scolopendrium</i> var. <i>americanum</i>	Plant	Ferns / Fern Allies
Louisiana quillwort	E	<i>Isoetes louisianensis</i>	Plant	Ferns / Fern Allies
Alabama streak-sorus fern	T	<i>Thelypteris pilosa</i> var. <i>alabamensis</i>	Plant	Ferns / Fern Allies
San Diego thorn-mint	T	<i>Acanthomintha ilicifolia</i>	Plant	Flowering Plants
Northern wild monkshood	T	<i>Aconitum noveboracense</i>	Plant	Flowering Plants
Sensitive joint-vetch	T	<i>Aeschynomene virginica</i>	Plant	Flowering Plants
Munz's onion	E	<i>Allium munzii</i>	Plant	Flowering Plants
Price's potato-bean	T	<i>Apios priceana</i>	Plant	Flowering Plants
McDonald's rock-cress	E	<i>Arabis macdonaldiana</i>	Plant	Flowering Plants
Shale Barren rock-cress	E	<i>Arabis serotina</i>	Plant	Flowering Plants
Marsh sandwort	E	<i>Arenaria paludicola</i>	Plant	Flowering Plants
Bear Valley sandwort	T	<i>Arenaria ursina</i>	Plant	Flowering Plants
Sacramento prickly-poppy	E	<i>Argemone pleiathantha</i> ssp. <i>pinnatisecta</i>	Plant	Flowering Plants
Mead's milkweed	T	<i>Asclepias meadii</i>	Plant	Flowering Plants
Cushenbury milk-vetch	E	<i>Astragalus albens</i>	Plant	Flowering Plants
Applegate's milk-vetch	E	<i>Astragalus applegatei</i>	Plant	Flowering Plants
Braunton's milk-vetch	E	<i>Astragalus brauntonii</i>	Plant	Flowering Plants
Desert milkvetch	T	<i>Astragalus desereticus</i>	Plant	Flowering Plants
Coachella milk-vetch	E	<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Plant	Flowering Plants
Heliotrope milk-vetch	T	<i>Astragalus limnocharis</i> var. <i>montii</i>	Plant	Flowering Plants
Osterhout's milk-vetch	E	<i>Astragalus osterhoutii</i>	Plant	Flowering Plants
Triplerib milk-vetch	E	<i>Astragalus tricarinatus</i>	Plant	Flowering Plants
Encinitas baccharis	T	<i>Baccharis vanessae</i>	Plant	Flowering Plants
Nevin's barberry	E	<i>Berberis nevinii</i>	Plant	Flowering Plants
Virginia round-leaf birch	T	<i>Betula uber</i>	Plant	Flowering Plants
Florida bonamia	T	<i>Bonamia grandiflora</i>	Plant	Flowering Plants
Thread-leaved brodiaea	T	<i>Brodiaea filifolia</i>	Plant	Flowering Plants
Capa rosa	E	<i>Callicarpa ampla</i>	Plant	Flowering Plants
Mariposa pussypaws	T	<i>Calyptidium pulchella</i>	Plant	Flowering Plants
Ashgray paintbrush	T	<i>Castilleja cinerea</i>	Plant	Flowering Plants

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Vail Lake ceanothus	T	Ceanothus ophiochilus	Plant	Flowering Plants
Purple amole	T	Chlorogalum purpureum var. reductum	Plant	Flowering Plants
La Graciaosa thistle	E	Cirsium loncholepis	Plant	Flowering Plants
Pitcher's thistle	T	Cirsium pitcheri	Plant	Flowering Plants
Sacramento Mountain thistle	T	Cirsium vinaceum	Plant	Flowering Plants
Springville fairyfan	T	Clarkia springvillensis	Plant	Flowering Plants
Alabama leather flower	E	Clematis socialis	Plant	Flowering Plants
Pigeon wings	T	Clitoria fragrans	Plant	Flowering Plants
Apalachicola rosemary	E	Conradina glabra	Plant	Flowering Plants
Cumberland rosemary	T	Conradina verticillata	Plant	Flowering Plants
Pima Pineapple cactus	E	Coryphantha scheeri var. robustispina	Plant	Flowering Plants
Leafy Prairie clover	E	Dalea foliosa	Plant	Flowering Plants
Slender-horned spineflower	E	Dodecahema leptoceras	Plant	Flowering Plants
Santa Monica Mountains dudleya	T	Dudleya cymosa ssp. ovatifolia	Plant	Flowering Plants
Smooth purple coneflower	E	Echinacea laevigata	Plant	Flowering Plants
Kuenzler hedgehog cactus	E	Echinocereus fendleri var. kuenzleri	Plant	Flowering Plants
Arizona hedgehog cactus	E	Echinocereus triglchidiatus var. arizonicus	Plant	Flowering Plants
Kern mallow	E	Eremalche kernensis	Plant	Flowering Plants
Giant woolstar	E	Eriastrum densifolium ssp. sanctorum	Plant	Flowering Plants
Hoover's woolstar	T	Eriastrum hooveri	Plant	Flowering Plants
Maguire daisy	T	Erigeron maguirei	Plant	Flowering Plants
Parish's fleabane	T	Erigeron parishii	Plant	Flowering Plants
Zuni fleabane	T	Erigeron rhizomatus	Plant	Flowering Plants
Southern Mountain buckwheat	T	Eriogonum kennedyi var. austromontanum	Plant	Flowering Plants
Scrub buckwheat	T	Eriogonum longifolium var. gnaphalifolium	Plant	Flowering Plants
Cushenbury buckwheat	E	Eriogonum ovalifolium var. vineum	Plant	Flowering Plants
Uvillo	E	Eugenia haematocarpa	Plant	Flowering Plants
Penland alpine fen mustard	T	Eutrema penlandii	Plant	Flowering Plants
Mexican flannelbush	E	Fremontodendron mexicanum	Plant	Flowering Plants
Gentner's fritillary	E	Fritillaria gentneri	Plant	Flowering Plants
Colorado butterfly plant	T	Gaura neomexicana ssp. coloradensis	Plant	Flowering Plants
Geocarpon	T	Geocarpon minimum	Plant	Flowering Plants
Spreading avens	E	Geum radiatum	Plant	Flowering Plants
Showy stickweed	E	Hackelia venusta	Plant	Flowering Plants
Harper's beauty	E	Harperocallis flava	Plant	Flowering Plants
Todsens pennyroyal	E	Hedeoma todsenii	Plant	Flowering Plants
Virginia sneezeweed	T	Helenium virginicum	Plant	Flowering Plants
Eggert's sunflower	T	Helianthus eggertii	Plant	Flowering Plants
Schweinitz's sunflower	E	Helianthus schweinitzii	Plant	Flowering Plants
Swamp pink	T	Helonias bullata	Plant	Flowering Plants
Dwarf-flowered heartleaf	T	Hexastylis naniflora	Plant	Flowering Plants
Roan Mountain bluet	E	Houstonia purpurea var. montana	Plant	Flowering Plants
Water howellia	T	Howellia aquatilis	Plant	Flowering Plants
Mountain golden heather	T	Hudsonia montana	Plant	Flowering Plants
Lakeside daisy	T	Hymenoxys herbacea	Plant	Flowering Plants
Prairiedawn	E	Hymenoxys texana	Plant	Flowering Plants
Cuero de Sapo	E	Ilex sintenisii	Plant	Flowering Plants
Peter's mountain-mallow	E	Iliamna corei	Plant	Flowering Plants
Holy Ghost ipomopsis	E	Ipomopsis sancti-spiritus	Plant	Flowering Plants
Dwarf lake iris	T	Iris lacustris	Plant	Flowering Plants
Small whorled pogonia	T	Isotria medeoloides	Plant	Flowering Plants
San Joaquin wooly-threads	E	Lembertia congdonii	Plant	Flowering Plants
Babyfoot orchid	E	Lepanthes eltoroensis	Plant	Flowering Plants
Slick spot peppergrass	T	Lepidium papilliferum	Plant	Flowering Plants
Missouri bladder-pod	E	Lesquerella filiformis	Plant	Flowering Plants
San Bernardino Mountains bladderpod	E	Lesquerella kingii ssp. bernardina	Plant	Flowering Plants
Lyrate bladderpod	T	Lesquerella lyrata	Plant	Flowering Plants
White bladderpod	E	Lesquerella pallida	Plant	Flowering Plants
Heller's blazing star	T	Liatris helleri	Plant	Flowering Plants
Huaachuca water umbel	E	Lilaeopsis schaffneriana var. recurva	Plant	Flowering Plants

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Western lily	E	<i>Lilium occidentale</i>	Plant	Flowering Plants
Butte County meadowfoam	E	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Plant	Flowering Plants
Pondberry	E	<i>Lindera melissifolia</i>	Plant	Flowering Plants
Cook's lomatium	E	<i>Lomatium cookii</i>	Plant	Flowering Plants
Kincaid's lupine	T	<i>Lupinus oreganus</i> var. <i>kincaidii</i>	Plant	Flowering Plants
Rough-leaf loosestrife	E	<i>Lysimachia asperulifolia</i>	Plant	Flowering Plants
White bird-in-a-nest	T	<i>Macbridea alba</i>	Plant	Flowering Plants
Mohr's Barbara's buttons	T	<i>Marshallia mohrii</i>	Plant	Flowering Plants
Michigan monkeyflower	T	<i>Mimulus glabratus</i> var. <i>michiganensis</i>	Plant	Flowering Plants
Cumberland sandwort	E	<i>Minuartia cumberlandensis</i>	Plant	Flowering Plants
Macfarlane's four-o'-clock	T	<i>Mirabilis macfarlanei</i>	Plant	Flowering Plants
Britton's beargrass	E	<i>Nolina brittonia</i>	Plant	Flowering Plants
Bakersfield cactus	E	<i>Opuntia basilaris</i> var. <i>treleasei</i>	Plant	Flowering Plants
Slender orcutt grass	T	<i>Orcuttia tenuis</i>	Plant	Flowering Plants
Canby's Dropwort	E	<i>Oxypolis canbyi</i>	Plant	Flowering Plants
Cushenbury oxytheca	E	<i>Oxytheca parishii</i> var. <i>goodmaniana</i>	Plant	Flowering Plants
Fasset's locoweed	T	<i>Oxytropis campestris</i> var. <i>chartacea</i>	Plant	Flowering Plants
San Rafael cactus	E	<i>Pediocactus despainii</i>	Plant	Flowering Plants
Winkler cactus	T	<i>Pediocactus winkleri</i>	Plant	Flowering Plants
Blowout penstemon	E	<i>Penstemon haydenii</i>	Plant	Flowering Plants
Penland's penstemon	E	<i>Penstemon penlandii</i>	Plant	Flowering Plants
Clay phacelia	E	<i>Phacelia argillacea</i>	Plant	Flowering Plants
North Park phacelia	E	<i>Phacelia formosula</i>	Plant	Flowering Plants
Yreka phlox	E	<i>Phlox hirsuta</i>	Plant	Flowering Plants
Godfrey's butterwort	T	<i>Pinguicula ionantha</i>	Plant	Flowering Plants
Ruth's golden-aster	E	<i>Pityopsis ruthii</i>	Plant	Flowering Plants
Rough popcorn flower	E	<i>Plagiobothrys hirtus</i>	Plant	Flowering Plants
Eastern prairie white-fringed orchid	T	<i>Platanthera leucophaea</i>	Plant	Flowering Plants
Western prairie fringed orchid	T	<i>Platanthera praeclara</i>	Plant	Flowering Plants
Chupacallos	E	<i>Pleodendron macranthum</i>	Plant	Flowering Plants
San Bernardino bluegrass	E	<i>Poa atropurpurea</i>	Plant	Flowering Plants
Lewton's polygala	E	<i>Polygala lewtonii</i>	Plant	Flowering Plants
Maguire primrose	T	<i>Primula maguirei</i>	Plant	Flowering Plants
San Joaquin adobe sunburst	T	<i>Pseudobahia peirsonii</i>	Plant	Flowering Plants
Harperella	E	<i>Ptilimnium nodosum</i>	Plant	Flowering Plants
Arizona cliffrose	E	<i>Purshia subintegra</i>	Plant	Flowering Plants
Chapman's rhododendron	E	<i>Rhododendron minus</i> var. <i>champmanii</i>	Plant	Flowering Plants
Miccosukee gooseberry	T	<i>Ribes echinellum</i>	Plant	Flowering Plants
Gambel's watercress	E	<i>Rorippa gambelii</i>	Plant	Flowering Plants
Bunched arrowhead	E	<i>Sagittaria fasciculata</i>	Plant	Flowering Plants
Kral's water plantain	T	<i>Sagittaria secundifolia</i>	Plant	Flowering Plants
Green pitcher plant	E	<i>Sarracenia oreophila</i>	Plant	Flowering Plants
Alabama canebrake pitcher plant	E	<i>Sarracenia rubra</i> ssp. <i>alabamensis</i>	Plant	Flowering Plants
Mountain sweet pitcher plant	E	<i>Sarracenia rubra</i> ssp. <i>jonesii</i>	Plant	Flowering Plants
American chaffseed	E	<i>Schwalbea americana</i>	Plant	Flowering Plants
Northeastern bulrush	E	<i>Scirpus ancistrochaetus</i>	Plant	Flowering Plants
Unita Basin hookless cactus	T	<i>Sclerocactus glaucus</i>	Plant	Flowering Plants
Florida skullcap	T	<i>Scutellaria floridana</i>	Plant	Flowering Plants
Large flowered skullcap	T	<i>Scutellaria montana</i>	Plant	Flowering Plants
San Francisco Peaks groundsel	T	<i>Senecio franciscana</i>	Plant	Flowering Plants
Layne's butterweed	T	<i>Senecio layneae</i>	Plant	Flowering Plants
Keck's checker mallow	E	<i>Sidalcea keckii</i>	Plant	Flowering Plants
Nelson's checker mallow	T	<i>Sidalcea nelsoniana</i>	Plant	Flowering Plants
Wenatchee Mountains checker mallow	E	<i>Sidalcea oregana</i> var. <i>calva</i>	Plant	Flowering Plants
Bird-footed checkerbloom	E	<i>Sidalcea pedata</i>	Plant	Flowering Plants
Spalding's catchfly	T	<i>Silene spaldingii</i>	Plant	Flowering Plants
White irisette	E	<i>Sisyrinchium dichotomum</i>	Plant	Flowering Plants
White-Haired goldenrod	T	<i>Solidago albopilosa</i>	Plant	Flowering Plants
Houghton's goldenrod	T	<i>Solidago houghtonii</i>	Plant	Flowering Plants
Blue Ridge goldenrod	T	<i>Solidago spithamea</i>	Plant	Flowering Plants

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Virginia spiraea	T	<i>Spiraea virginiana</i>	Plant	Flowering Plants
Canelo Hills ladies tresses	E	<i>Spiranthes delitescens</i>	Plant	Flowering Plants
Ute ladies'-tresses	T	<i>Spiranthes diluvialis</i>	Plant	Flowering Plants
Navasota ladies'-tresses	E	<i>Spiranthes parksii</i>	Plant	Flowering Plants
California jewelflower	E	<i>Stanfordia californica</i>	Plant	Flowering Plants
Palo de jazmin	E	<i>Styrax portoricensis</i>	Plant	Flowering Plants
California dandelion	E	<i>Taraxacum californicum</i>	Plant	Flowering Plants
Palo Colorado	E	<i>Ternstroemia luquillensis</i>	Plant	Flowering Plants
Unknown common name	E	<i>Ternstroemia subsessilis</i>	Plant	Flowering Plants
Slender-petaled mustard	E	<i>Thelypodium stenopetalum</i>	Plant	Flowering Plants
Kneeland prairie pennycress	E	<i>Thlaspi californicum</i>	Plant	Flowering Plants
Last chance townsendia	T	<i>Townsendia aprica</i>	Plant	Flowering Plants
Running buffalo clover	E	<i>Trifolium stoloniferum</i>	Plant	Flowering Plants
Persistent trillium	E	<i>Trillium persistens</i>	Plant	Flowering Plants
Relict trillium	E	<i>Trillium reliquum</i>	Plant	Flowering Plants
Greene's tuctoria	E	<i>Tuctoria greenei</i>	Plant	Flowering Plants
Tennessee yellow-eyed grass	E	<i>Xyris tennesseensis</i>	Plant	Flowering Plants
Rock gnome lichen	E	<i>Gymnoderma lineare</i>	Plant	Lichens
Reticulated flatwoods salamander	E	<i>Ambystoma bishopii</i>	Vertebrate	Amphibian
California tiger salamander, central population	T	<i>Ambystoma californiense</i>	Vertebrate	Amphibian
Frosted flatwoods salamander	T	<i>Ambystoma cingulatum</i>	Vertebrate	Amphibian
Sonoran tiger salamander	E	<i>Ambystoma tigrinum stebbinsi</i>	Vertebrate	Amphibian
Wyoming toad	E	<i>Bufo baxteri</i>	Vertebrate	Amphibian
Arroyo southwestern toad	E	<i>Bufo californicus</i>	Vertebrate	Amphibian
Houston toad	E	<i>Bufo houstonensis</i>	Vertebrate	Amphibian
Red hills salamander	T	<i>Phaeognathus hubrichti</i>	Vertebrate	Amphibian
Cheat Mountain salamander	T	<i>Plethodon nettingi</i>	Vertebrate	Amphibian
Shenandoah salamander	E	<i>Plethodon shenandoah</i>	Vertebrate	Amphibian
California red-legged frog	T	<i>Rana aurora draytonii</i>	Vertebrate	Amphibian
Mississippi gopher frog	E	<i>Rana capito servosa</i>	Vertebrate	Amphibian
Chiricahua leopard frog	T	<i>Rana chiricahuensis</i>	Vertebrate	Amphibian
Mt. yellow-legged frog (Southern California DPS)	E	<i>Rana muscosa</i> pop. 1	Vertebrate	Amphibian
Puerto Rican sharp-shinned hawk	E	<i>Accipiter striatus</i>	Vertebrate	Bird
Puerto Rican parrot	E	<i>Amazona vittata</i>	Vertebrate	Bird
Florida scrub jay	T	<i>Aphelocoma coerulescens</i>	Vertebrate	Bird
Marbled murrelet	T	<i>Brachyramphus marmoratus</i>	Vertebrate	Bird
Puerto Rican broad-winged hawk	E	<i>Buteo platypterus brunnescens</i>	Vertebrate	Bird
Western snowy plover	T	<i>Charadrius alexandrinus nivosus</i>	Vertebrate	Bird
Piping plover	T/E	<i>Charadrius melodus</i>	Vertebrate	Bird
White-necked crow	E	<i>Corvus leucognaphalus</i>	Vertebrate	Bird
Kirtland's warbler	E	<i>Dendroica kirtlandii</i>	Vertebrate	Bird
Southwestern willow flycatcher	E	<i>Empidonax traillii extimus</i>	Vertebrate	Bird
Northern Aplomado falcon	E	<i>Falco femoralis septentrionalis</i>	Vertebrate	Bird
Whooping crane	E	<i>Grus americana</i>	Vertebrate	Bird
Mississippi sandhill crane	E	<i>Grus canadensis pulla</i>	Vertebrate	Bird
California condor	E	<i>Gymnogyps californianus</i>	Vertebrate	Bird
Bald eagle (Sonoran DPS)	T	<i>Haliaeetus leucocephalus</i>	Vertebrate	Bird
Wood stork	E	<i>Mycteria americana</i>	Vertebrate	Bird
Brown pelican	E	<i>Pelecanus occidentalis californicus</i>	Vertebrate	Bird
Red-cockaded woodpecker	E	<i>Picoides borealis</i>	Vertebrate	Bird
Coastal California gnatcatcher	T	<i>Polioptila californica californica</i>	Vertebrate	Bird
Yuma clapper rail	E	<i>Rallus longirostris yumanensis</i>	Vertebrate	Bird
Least tern	E	<i>Sterna antillarum</i>	Vertebrate	Bird
California least tern	E	<i>Sterna antillarum browni</i>	Vertebrate	Bird
Northern spotted owl	T	<i>Strix occidentalis caurina</i>	Vertebrate	Bird
Mexican spotted owl	T	<i>Strix occidentalis lucida</i>	Vertebrate	Bird
Bachman's warbler	E	<i>Vermivora bachmanii</i>	Vertebrate	Bird
Black-capped vireo	E	<i>Vireo atricapilla</i>	Vertebrate	Bird
Least Bell's vireo	E	<i>Vireo bellii pusillus</i>	Vertebrate	Bird
Shortnose sturgeon	E	<i>Acipenser brevirostrum</i>	Vertebrate	Fish

Common Name	Federal Status	Scientific Name	Major Group	Sub-group
Green sturgeon (southern DPS)	T	Acipenser medirostris	Vertebrate	Fish
Gulf Sturgeon	T	Acipenser oxyrinchus desotoi	Vertebrate	Fish
White sturgeon (Kootenai River population)	E	Acipenser transmontanus	Vertebrate	Fish
Modoc sucker	E	Catostomus microps	Vertebrate	Fish
Santa Ana sucker	T	Catostomus santaanae	Vertebrate	Fish
Warner sucker	T	Catostomus warnerensis	Vertebrate	Fish
Shortnose sucker	E	Chasmistes brevirostris	Vertebrate	Fish
June sucker	E	Chasmistes liorus	Vertebrate	Fish
Pygmy sculpin	T	Cottus patulus	Vertebrate	Fish
Railroad Valley springfish	T	Crenichthys nevadae	Vertebrate	Fish
Blue shiner	T	Cyprinella caerulea	Vertebrate	Fish
Desert pupfish	E	Cyprinodon macularius	Vertebrate	Fish
Lost River sucker	E	Deltistes luxatus	Vertebrate	Fish
Spotfin chub	T	Erimonax monacha	Vertebrate	Fish
Slender chub	T	Erimystax cahni	Vertebrate	Fish
Etowah darter	E	Etheostoma etowahae	Vertebrate	Fish
Duskytail darter	E	Etheostoma percnurum	Vertebrate	Fish
Tidewater goby	E	Eucyclogobius newberryi	Vertebrate	Fish
Unarmored threespine stickleback	E	Gasterosteus aculeatus williamsoni	Vertebrate	Fish
Owens Tui chub	E	Gila bicolor snyderi	Vertebrate	Fish
Humpback chub	E	Gila cypha	Vertebrate	Fish
Sonora chub	T	Gila ditaenia	Vertebrate	Fish
Bonytail chub	E	Gila elegans	Vertebrate	Fish
Gila chub	E	Gila intermedia	Vertebrate	Fish
Chihuahua chub	T	Gila nigrescens	Vertebrate	Fish
Yaqui chub	E	Gila purpurea	Vertebrate	Fish
Rio Grande silveryminnow	E	Hybognathus amarus	Vertebrate	Fish
Delta smelt	T	Hypomesus transpacificus	Vertebrate	Fish
Yaqui catfish	T	Ictalurus pricei	Vertebrate	Fish
Little Colorado spinedace	T	Lepidomeda vittata	Vertebrate	Fish
Spikedace	T	Meda fulgida	Vertebrate	Fish
Palezone shiner	E	Notropis albizonatus	Vertebrate	Fish
Cahaba shiner	E	Notropis cahabae	Vertebrate	Fish
Arkansas River shiner	T	Notropis girardi	Vertebrate	Fish
Cape Fear shiner	E	Notropis mekistocholas	Vertebrate	Fish
Topeka shiner	E	Notropis topeka	Vertebrate	Fish
Smoky madtom	E	Noturus baileyi	Vertebrate	Fish
Yellowfin madtom	T	Noturus flavipinnis	Vertebrate	Fish
Little Kern golden trout	T	Oncorhynchus aguabonita whitei	Vertebrate	Fish
Apache (Arizona) trout	T	Oncorhynchus apache	Vertebrate	Fish
Lahontan cutthroat trout	T	Oncorhynchus clarki henshawi	Vertebrate	Fish
Paiute cutthroat trout	T	Oncorhynchus clarki seleniris	Vertebrate	Fish
Greenback cutthroat trout	T	Oncorhynchus clarki stomias	Vertebrate	Fish
Gila trout	E	Oncorhynchus gilae	Vertebrate	Fish
Chum salmon (Hood Canal, summer run)	T	Oncorhynchus keta	Vertebrate	Fish
Chum salmon (Columbia River)	T	Oncorhynchus keta	Vertebrate	Fish
Coho salmon (Lower Columbia River)	T	Oncorhynchus kisutch	Vertebrate	Fish
Coho salmon (Oregon Coast)	T	Oncorhynchus kisutch	Vertebrate	Fish
Coho salmon (Southern Oregon/Northern California Coast)	T	Oncorhynchus kisutch	Vertebrate	Fish
Steelhead (Southern California)	E	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (California Central Valley)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Upper Columbia River)	E	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Snake River Basin)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Lower Columbia River)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Northern California)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Middle Columbia River)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Upper Willamette River)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (Puget Sound)	T	Oncorhynchus mykiss	Vertebrate	Fish
Steelhead (South-Central California Coast)	T	Oncorhynchus mykiss	Vertebrate	Fish
Sockeye salmon (Ozette Lake)	E	Oncorhynchus nerka	Vertebrate	Fish

Common Name	Federal Status	Scientific Name	Major Group	Sub-group
Sockeye salmon (Snake River)	E	<i>Oncorhynchus nerka</i>	Vertebrate	Fish
Chinook salmon (Lower Columbia River)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Central Valley, spring run)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Upper Columbia River, spring run)	E	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Puget Sound)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Upper Willamette River)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (California Coast)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Snake River, fall run)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Sacramento River, winter run)	E	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Chinook salmon (Snake River, spring/summer run)	T	<i>Oncorhynchus tshawytscha</i>	Vertebrate	Fish
Oregon chub	E	<i>Oregonichthys crameri</i>	Vertebrate	Fish
Amber darter	E	<i>Percina antesella</i>	Vertebrate	Fish
Goldline darter	T	<i>Percina aurolineata</i>	Vertebrate	Fish
Conasauga logperch	E	<i>Percina jenkinsi</i>	Vertebrate	Fish
Leopard darter	T	<i>Percina pantherina</i>	Vertebrate	Fish
Roanoke logperch	E	<i>Percina rex</i>	Vertebrate	Fish
Snail darter	T	<i>Percina tanasi</i>	Vertebrate	Fish
Blackside dace	T	<i>Phoxinus cumberlandensis</i>	Vertebrate	Fish
Gila topminnow	E	<i>Poeciliopsis occidentalis</i>	Vertebrate	Fish
Colorado (=squawfish) pikeminnow	E	<i>Ptychocheilus lucius</i>	Vertebrate	Fish
Kendall Warm Springs dace	E	<i>Rhinichthys osculus thermalis</i>	Vertebrate	Fish
Bull trout	T	<i>Salvelinus confluentus</i>	Vertebrate	Fish
Pallid sturgeon	E	<i>Scaphirhynchus albus</i>	Vertebrate	Fish
Alabama sturgeon	E	<i>Scaphirhynchus suttkusi</i>	Vertebrate	Fish
Loach minnow	T	<i>Tiaroga cobitis</i>	Vertebrate	Fish
Razorback sucker	E	<i>Xyrauchen texanus</i>	Vertebrate	Fish
Gray wolf	T	<i>Canis lupus</i>	Vertebrate	Mammal
Gray wolf WGL population	T	<i>Canis lupus</i>	Vertebrate	Mammal
Gray wolf, Southwestern population Mexico	E	<i>Canis lupus baileyi</i>	Vertebrate	Mammal
Red wolf	E	<i>Canis rufus</i>	Vertebrate	Mammal
Ozark big-eared bat	E	<i>Corynorhinus townsendii ingens</i>	Vertebrate	Mammal
Virginia big-eared bat	E	<i>Corynorhinus townsendii virginianus</i>	Vertebrate	Mammal
Utah prairie dog	T	<i>Cynomys parvidens</i>	Vertebrate	Mammal
Cook Inlet beluga whale	E	<i>Delphinapterus leucas</i>	Vertebrate	Mammal
Giant kangaroo rat	E	<i>Dipodomys ingens</i>	Vertebrate	Mammal
San Bernardino kangaroo rat	E	<i>Dipodomys merriami parvus</i>	Vertebrate	Mammal
Fresno kangaroo rat	E	<i>Dipodomys nitratooides exilis</i>	Vertebrate	Mammal
Tipton kangaroo rat	E	<i>Dipodomys nitratooides nitratooides</i>	Vertebrate	Mammal
Stephen's kangaroo rat	E	<i>Dipodomys stephensi</i>	Vertebrate	Mammal
Southern sea otter	T	<i>Enhydra lutris nereis</i>	Vertebrate	Mammal
Steller's sea lion (eastern)	T	<i>Eumetopias jubatus</i>	Vertebrate	Mammal
Steller's sea lion (western)	E	<i>Eumetopias jubatus</i>	Vertebrate	Mammal
Carolina northern flying squirrel	E	<i>Glaucomys sabrinus coloratus</i>	Vertebrate	Mammal
Ocelot	E	<i>Leopardus pardalis</i>	Vertebrate	Mammal
Lesser long-nosed bat	E	<i>Leptonycteris curasoae yerbabuenae</i>	Vertebrate	Mammal
Mexican long-nosed bat	E	<i>Leptonycteris nivalis</i>	Vertebrate	Mammal
Canada lynx	T	<i>Lynx canadensis</i>	Vertebrate	Mammal
Humpback whale	E	<i>Megaptera novaeangliae</i>	Vertebrate	Mammal
Black-footed ferret	E	<i>Mustela nigripes</i>	Vertebrate	Mammal
Gray bat	E	<i>Myotis grisescens</i>	Vertebrate	Mammal
Indiana bat	E	<i>Myotis sodalis</i>	Vertebrate	Mammal
Bighorn sheep (Peninsular)	E	<i>Ovis canadensis pop 2</i>	Vertebrate	Mammal
Bighorn sheep (Sierra Nevada)	E	<i>Ovis canadensis sierrae</i>	Vertebrate	Mammal
Jaguar	E	<i>Panthera onca</i>	Vertebrate	Mammal
Florida panther	E	<i>Puma concolor coryi</i>	Vertebrate	Mammal
Eastern cougar	E	<i>Puma concolor cougar</i>	Vertebrate	Mammal
Woodland caribou	E	<i>Rangifer tarandus caribou</i>	Vertebrate	Mammal
Northern Idaho ground squirrel	T	<i>Spermophilus brunneus brunneus</i>	Vertebrate	Mammal
Mount Graham red squirrel	E	<i>Tamiasciurus hudsonicus grahamensis</i>	Vertebrate	Mammal
Florida manatee	E	<i>Trichechus manatus</i>	Vertebrate	Mammal

Common Name	Federal Status	Scientific Name	Major Group	Sub-group
Louisiana black bear	T	<i>Ursus americanus luteolus</i>	Vertebrate	Mammal
Grizzly bear (Lower 48)	T	<i>Ursus arctos horribilis</i>	Vertebrate	Mammal
San Joaquin kit fox	E	<i>Vulpes macrotis mutica</i>	Vertebrate	Mammal
Preble's meadow jumping mouse	T	<i>Zapus hudsonius preblei</i>	Vertebrate	Mammal
New Mexico ridgenose rattlesnake	T	<i>Crotalus willardi obscurus</i>	Vertebrate	Reptile
Eastern indigo snake	T	<i>Drymarchon corais couperi</i>	Vertebrate	Reptile
Puerto Rican boa	E	<i>Epicrates inornatus</i>	Vertebrate	Reptile
Blunt-nosed leopard lizard	E	<i>Gambelia sila</i>	Vertebrate	Reptile
Desert tortoise (Sonoran population)	T	<i>Gopherus agassizii</i> pop 2	Vertebrate	Reptile
Gopher tortoise	T	<i>Gopherus polyphemus</i>	Vertebrate	Reptile
Sand skink	T	<i>Neoseps reynoldsi</i>	Vertebrate	Reptile
Flattened musk turtle	T	<i>Sternotherus depressus</i>	Vertebrate	Reptile
Giant garter snake	T	<i>Thamnophis gigas</i>	Vertebrate	Reptile

DPS = distinct population segment

**Appendix B: Proposed Species Known to Occur on NFS Lands
as of 12/03/2010**

Common Name	Federal Status	Scientific Name	Major Group	Sub-group
Snuffbox	PE	Epioblasma triquetra	Invertebrate	Molluscs
Debeque phacelia	PT	Phacelia submutica	Plant	Flowering Plants
Ozark hellbender	PE	Cryptobranchus alleganiensis bishopi	Vertebrate	Amphibian
Mountain plover	PT	Charadrius montanus	Vertebrate	Bird
Rush darter	PE	Etheostoma phytophilum	Vertebrate	Fish
Cumberland darter	PE	Etheostoma susanae	Vertebrate	Fish

**Appendix C: Designated Critical Habitat for Endangered, and Threatened Species
on NFS Lands
as of 12/03/2010**

Common Name	# Acres Designated	# Miles Stream/Shore Designated	National Forest/Grassland with NFS Land Designated Critical Habitat
Arroyo southwestern toad	734		Angeles (CA)
Arroyo southwestern toad	5,000		Los Padres (CA)
Arroyo southwestern toad	1,192		San Bernadino (CA)
California red-legged frog	8,659		Angeles NF
California red-legged frog	641		Eldorado NF
California red-legged frog	258,360		Los Padres (CA)
California red-legged frog	5,708		Plumas NF
California red-legged frog	2,245		Tahoe NF
California yellow-legged frog, So. DPS	4,482		Angeles NF
California yellow-legged frog, So. DPS	3,470		San Bernardino (CA)
Flatwoods salamander	1,176		Francis Marion and Sumter (SC)
California condor	5,136		Angeles
California condor	120,000		Los Padres (CA)
California condor	469		Sequoia (CA)
Coastal California gnatcatcher	1,600		San Bernardino (CA)
Coastal California gnatcatcher	14,158		Cleveland (CA)
Coastal California gnatcatcher	1,223		Angeles
Least Bell's vireo	9,300		Los Padres (CA)
Marbled murrelet	63,939		Klamath NF
Marbled murrelet	323,954		Six Rivers NF
Marbled murrelet	3,387,800*		Gifford-Pinchot (WA), Mount Baker Snoqualmie (WA), Olympic (WA), Rogue River-Siskiyou (OR), Siuslaw (OR) (USFS Region 6)
Mexican spotted owl *	263,026		Pike - San Isabel (CO)
Mexican spotted owl *	1,018,762		Coconino (AZ)
Mexican spotted owl *	22,450		Carson (NM)
Mexican spotted owl *	435,462		Cibola(NM)
Mexican spotted owl *	793,217		Coronado (AZ)
Mexican spotted owl *	1,137,491		Gila (NM)
Mexican spotted owl *	371,271		Kaibab (AZ)
Mexican spotted owl *	203,628		Lincoln(NM)
Mexican spotted owl *	82,573		Prescott (AZ)
Mexican spotted owl *	227,883		Santa Fe (NM)
Mexican spotted owl *	444,778		Tonto (AZ)
Mexican spotted owl *	156,732		Fish Lake (UT)(total national forest acres)
Northern spotted owl	469		Lasson NF
Northern spotted owl	316,536		Klamath NF
Northern spotted owl	182,703		Mendicino NF
Northern spotted owl	246,988		Six Rivers NF
Northern spotted owl	828,118		Shata-Trinity NFs
Northern spotted owl	381,251		Willamette (OR)
Northern spotted owl	106,675		Deschutes
Northern spotted owl	484,490		Mount Baker-Snoqualmie
Northern spotted owl	296,764		Siuslaw (OR)
Northern spotted owl	332,100		Olympic
Northern spotted owl	178,065		Umpqua
Northern spotted owl	48,886		Columbia River Gorge
Northern spotted owl	255,865		Mount Hood
Northern spotted owl	150,000		Okanogan (WA)
Piping plover	940	4.6	Huron-Manistee (est.) (MI)
Piping plover		2.0	Hiawatha (est.) (MI)
Southwestern willow flycatcher		7.0	Carson (NM)

Southwestern willow flycatcher		22.8	Gila (NM)
Southwestern willow flycatcher		6.0	Prescott (AZ)
Southwestern willow flycatcher	6,999		Tonto (AZ)
Southwestern willow flycatcher	119		Cleveland (CA)
Southwestern willow flycatcher	120,824		Los Padres (CA)
Southwestern willow flycatcher	1,461		San Bernardino (CA)
Western snowy plover	1,410		Siuslaw (OR)
California coastal chinook		5.3	Six Rivers (CA)
California coastal chinook		1.0	Mendocino (CA)
Central Valley California steelhead		63.0	Lassen (CA)
Central Valley California steelhead		30.0	Mendocino (CA)
Central Valley Spring run chinook		53.0	Lassen (CA)
Central Valley spring run chinook		3.2	Mendocino (CA)
Columbia River chum salmon		71.9	Columbia R. Gorge National Scenic Area
Conasauga logperch		3.0	C-O (GA), Cherokee (TN)
Gila chub		31.4	Apache-Sitgreaves (AZ)
Gila chub		19.1	Coronado (AZ)
Gila chub		19.8	Gila (NM)
Gila chub		14.0	Prescott (AZ)
Gila chub		4.0	Tonto (AZ)
Gulf sturgeon		2.0	Apalachicola (FL)
Leopard darter		14.0	Ouachita (AR)
Little Colorado spinedace		31.0	Coconino (AZ)
Little Colorado spinedace		5.0	Apache-Sitgreaves (AZ)
Little Kern golden trout	82,600	117.0	Sequoia (CA)
Loach minnow		182.0	Gila (NM)
Loach minnow		115.0	Apache-Sitgreaves
Lower Columbia River chinook		86.8	Columbia R. Gorge National Scenic Area
Lower Columbia River chinook		67.9	Mount Hood (OR)
Lower Columbia River steelhead		292.7	Mt. Hood NF
Lower Columbia River steelhead		141.0	Columbia River Gorge (OR)
Middle Columbia River steelhead		112.8	Columbia River Gorge (OR)
Middle Columbia River steelhead		647.0	Umatilla (OR)
Middle Columbia River steelhead		79.8	Mount Hood (OR)
Middle Columbia River steelhead		85.5	Wallowa-Whitman (OR)
Modoc sucker		26.0	Modoc (CA)
North American green sturgeon		3.2	Mendocino (CA)
Northern California steelhead		85.0	Mendocino (CA)
Northern California steelhead		34.0	Six Rivers (CA)
Oregon chub	15		Willamette (OR)
Oregon Coast coho		9.0	Rogue River (OR)
Owen's Tui chub		1.0	unknown (CA)
Puget Sound chinook		309.0	Mount Baker Snoqualmie (WA)
Razorback sucker		37.0	Prescott (AZ)
Razorback sucker		99.0	Tonto (AZ)
Sacramento R. winter run chinook		3.2	Mendocino (CA)
Santa Ana sucker (latest final rule)	6,798		Angeles (CA)
Smoky madtom		3.0	Cherokee (TN)
Snake River Basin sockeye salmon		25.0	Wallowa-Whitman (OR)
Snake River Basin sockeye salmon		86.8	Columbia River Gorge (OR)
Snake River Basin steelhead		8,934.0	Boise
Snake River Basin steelhead		1,900.0	Salmon Challis
Snake River Basin steelhead		300.0	Sawtooth
Snake River Basin steelhead		1,000.0	Payette NF
Snake River Basin steelhead		348.0	Umatilla (OR)
Snake River Basin steelhead		964.8	Wallowa-Whitman (OR)
Snake River Basin steelhead		86.8	Columbia River Gorge (OR)
Snake River fall-run chinook		86.8	Columbia R. Gorge National Scenic Area
Snake River fall-run chinook		87.1	Wallowa-Whitman (OR)

Snake River spring/summer-run chinook		300.0	Sawtooth
Snake River spring/summer-run chinook		86.8	Columbia R. Gorge National Scenic Area
Snake River spring/summer-run chinook		339.2	Wallowa-Whitman (OR)
So. Oregon/No. California coho		814.0	Klamath (CA)
So. Oregon/No. California coho		100.0	Mendocino (CA)
So. Oregon/No. California coho		330.0	Six Rivers (CA)
So. Oregon/No. California coho		480.0	Shasta-Trinity (CA)
So. Oregon/No. California coho		637.0	Rogue River (OR)
Sonora chub		6.3	Coronado (AZ)
South-central California Coast steelhead		1,249.0	Los Padres (CA)
Southern California steelhead		200.0	Los Padres (CA)
Southern California steelhead		10.0	Cleveland (CA)
Spikedace		33.2	Prescott (AZ)
Spikedace		86.0	Gila (NM)
Upper Columbia River spring run chinook		93.9	Columbia R. Gorge National Scenic Area
Upper Columbia River steelhead		86.8	Columbia River Gorge (OR)
Upper Willamette River chinook		79.1	Mount Hood (OR)
Upper Willamette River chinook		287.7	Willamette (OR)
Upper Willamette River steelhead		41.8	Willamette (OR)
Upper Willamette River steelhead		0.2	Mount Hood (OR)
Alabama Moccasinshell		6*	Cherokee (TN)
Conservancy fairy shrimp	46,531		Los Padres (CA)
Coosa moccasinshell		6*	Cherokee (TN)
Cumberland elktoe		550.0	George Washington and Jefferson (VA)
Cumberlandian combshell		550*	George Washington and Jefferson (VA)
Fine-lined pocketbook		6.0	Cherokee (TN)
Hine's emerald dragonfly	423		Mark Twain (MO)
Hine's emerald dragonfly	12,963		Hiawatha (MI)
Lauguna Mountains skipper	6,654		Cleveland (CA)
Oregon silverspot butterfly	450		Siuslaw (OR)
Ovate clubshell		6*	Cherokee (TN)
Oyster mussel		550*	George Washington and Jefferson (VA)
Purple bean		550*	George Washington and Jefferson (VA)
Quino checkerspot butterfly	171,605		San Bernardino (CA)
Quino checkerspot butterfly	9,720		San Bernardino (CA)
Quino checkerspot butterfly	1,748		Cleveland (CA)
Rough rabbitsfoot		550*	George Washington and Jefferson (VA)
Southern acornshell		6*	Cherokee (TN)
Southern clubshell		6*	Cherokee (TN)
Southern pigtoe		6*	Cherokee (TN)
Spruce-fir moss spider	240		NFS in North Carolina
Triangular kidneyshell		6*	Cherokee (TN)
Upland combshell		6*	Cherokee (TN)
Vernal pool fairy shrimp	40,000		Los Padres (CA)
Canada lynx	2,100,000		Flathead (MT)
Canada lynx	2,125,931		Superior (MN)
Mountain Graham red squirrel	2,000		Coronado (AZ)
Peninsular bighorn sheep	3,200		San Bernardino (CA)
Peninsular bighorn sheep	1,171		San Bernardino (CA)
Preble's meadow jumping mouse	7,071	74.0	Arapaho-Roosevelt (CO)
Preble's meadow jumping mouse	2,802		Pike - San Isabel (CO)
San Bernardino kangaroo rat	200		San Bernardino (CA)
Sierra Nevada bighorn sheep	272,000		Inyo (CA)
Virginia big-eared bat	1,000		Monongahela (WV)
W. Great Lakes pop. gray wolf	2,010,424		Superior (MN)
<i>Acanthomintha ilicifolia</i>	549		Cleveland (CA)
<i>Allium munzii</i>	176		Cleveland (CA)
<i>Arenaria ursine</i>	1,309		San Bernardino (CA)
<i>Astragalus albens</i>	3,020		San Bernardino (CA)

**Appendix D: Candidate Species On or Suspected to Occur on NFS Lands
as of 11/18/2010**

Common name	Scientific Name	Major Group	Sub-group
Taylor's checkerspot	<i>Euphydryas editha taylori</i>	Invertebrate	Insects
Dakota skipper	<i>Hesperia dacotae</i>	Invertebrate	Insects
Stephan's rifle beetle	<i>Heterelmis stephani</i>	Invertebrate	Insects
Mardon skipper	<i>Polites mardon</i>	Invertebrate	Insects
Spectaclecase	<i>Cumberlandia monodonta</i>	Invertebrate	Molluscs
Sheepnose	<i>Plethobasus cyphus</i>	Invertebrate	Molluscs
Slabside pearlymussel	<i>Pleuronaia dolabelloides</i>	Invertebrate	Molluscs
Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	Invertebrate	Molluscs
Gila springsnail	<i>Pyrgulopsis gilae</i>	Invertebrate	Snails
Page springsnail	<i>Pyrgulopsis morrisoni</i>	Invertebrate	Snails
New Mexico hot springsnail	<i>Pyrgulopsis thermalis</i>	Invertebrate	Snails
Huachuca springsnail	<i>Pyrgulopsis thompsoni</i>	Invertebrate	Snails
Three forks springsnail	<i>Pyrgulopsis trivialis</i>	Invertebrate	Snails
Ramshaw Meadows sand-verbena	<i>Abronia alpina</i>	Plant	Flowering Plants
Northern wormwood	<i>Artemisia campestris var. wormskioldii</i>	Plant	Flowering Plants
Siskiyou mariposa lily	<i>Calochortus persistens</i>	Plant	Flowering Plants
Christ's Indian paintbrush	<i>Castilleja christii</i>	Plant	Flowering Plants
San Fernando Valley spineflower	<i>Chorizanthe parryi var. fernandina</i>	Plant	Flowering Plants
Wright's marsh thistle	<i>Cirsium wrightii</i>	Plant	Flowering Plants
Neches River rosemallow	<i>Hibiscus dasycalyx</i>	Plant	Flowering Plants
Webber's ivesia	<i>Ivesia webberi</i>	Plant	Flowering Plants
Fleshyfruit gladeceess	<i>Leavenworthia crassa</i>	Plant	Flowering Plants
Texas golden gladeceess	<i>Leavenworthia texana</i>	Plant	Flowering Plants
Globe bladderpod	<i>Lesquerella globosa</i>	Plant	Flowering Plants
Fickeisen plains cactus	<i>Pediocactus peeblesianus var. fickeiseniae</i>	Plant	Flowering Plants
White fringeless orchid	<i>Platanthera integrilabia</i>	Plant	Flowering Plants
Tahoe yellow cress	<i>Rorippa subumbellata</i>	Plant	Flowering Plants
Georgia aster	<i>Symphyotrichum georgianum</i>	Plant	Flowering Plants
Yosemite toad	<i>Bufo canorus</i>	Vertebrate	Amphibian
Ozark hellbender	<i>Cryptobranchus alleghaniensis bishop</i>	Vertebrate	Amphibian
Arizona tree frog (Huachuca/Canelo Hills DPS)	<i>Hyla wrightorum</i>	Vertebrate	Amphibian
Black warrior waterdog	<i>Necturus alabamensis</i>	Vertebrate	Amphibian
Jemez mountain salamander	<i>Plethodon neomexicanus</i>	Vertebrate	Amphibian
Columbia spotted frog (Great Basin DPS)	<i>Rana luteiventris</i>	Vertebrate	Amphibian
Mountain yellow-legged frog	<i>Rana muscosa</i>	Vertebrate	Amphibian
Oregon spotted frog	<i>Rana pretiosa</i>	Vertebrate	Amphibian
Kittletz's murrelet	<i>Brachyramphus brevirostris</i>	Vertebrate	Bird
Gunnison sage-grouse	<i>Centrocercus minimus</i>	Vertebrate	Bird
Greater sage-grouse (entire)	<i>Centrocercus urophasianus</i>	Vertebrate	Bird
Greater sage-grouse (bi-state DPS)	<i>Centrocercus urophasianus</i>	Vertebrate	Bird
Yellow-headed cuckoo (Western U.S. DPS)	<i>Coccyzus americanus</i>	Vertebrate	Bird
Elfin woods warbler	<i>Dendroica angelae</i>	Vertebrate	Bird
Lesser prairie chicken	<i>Tympanuchus pallidicinctus</i>	Vertebrate	Bird
Atlantic sturgeon	<i>Acipenser oxyrinchus oxyrinchus</i>	Vertebrate	Fish
Alabama shad	<i>Alosa alabamae</i>	Vertebrate	Fish
Zuni bluehead sucker	<i>Catostomus discobolus jarrovii</i>	Vertebrate	Fish
Cumberland darter	<i>Etheostoma susanae</i>	Vertebrate	Fish
Headwater chub	<i>Gila nigra</i>	Vertebrate	Fish
Roundtail chub	<i>Gila robusta</i>	Vertebrate	Fish
Rio Grande cutthroat trout	<i>Oncorhynchus clarkii virginalis</i>	Vertebrate	Fish
Artic grayling	<i>Thymallus articus</i>	Vertebrate	Fish
Gunnison's prairie dog (Montane population)	<i>Cynomys gunnisoni pop. 1</i>	Vertebrate	Mammal
Canada lynx (NM)	<i>Lynx canadensis</i>	Vertebrate	Mammal

Common name	Scientific Name	Major Group	Sub-group
Fisher (west coast DPS)	<i>Martes pennanti</i>	Vertebrate	Mammal
Southern Idaho ground squirrel	<i>Spermophilus brunneus endemicus</i>	Vertebrate	Mammal
New Mexico meadow jumping mouse	<i>Zapus hudsonius luteus</i>	Vertebrate	Mammal
Black pine snake	<i>Pituophis melanoleucus lodingi</i>	Vertebrate	Reptile
Louisiana pinesnake	<i>Pituophis melanoleucus ruthveni</i>	Vertebrate	Reptile
Eastern massasauga	<i>Sistrurus catenatus catenatus</i>	Vertebrate	Reptile
Northern Mexican gartersnake	<i>Thamnophis eques megalops</i>	Vertebrate	Reptile