# **Ecological Sustainability Analysis** of the Kaibab National Forest:

# **Species Diversity Report**

Ver. 1.2

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**For:** Kaibab National Forest Plan Revision Analysis

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## Introduction

This report provides background information for the Species Diversity and Species Risk Assessment portions of the Ecological Sustainability Report included under the current Forest Plan Revision. It identifies federally threatened and endangered species, species of concern, and species of interest whose ranges include the forest plan area (FSH 1909.12, Chap. 40, Sec. 43.2). The primary intent of this report is to document the methods used in evaluating species for the revision process. It describes the chronology and process of developing of the proposed species list for those species requiring additional consideration in the plan revision process, and the subsequent identification of potential threats to those species. The species list and majority of species information is located in a separate Microsoft-ACCESS database. This database includes species-specific data used in the evaluation process, and is meant to function as a "living document" that is subject to change as new information becomes available.

Ecological sustainability is recognized as one of the primary components under the current planning rule, and providing for ecosystem diversity is an integral component of this process. Ecological conditions that provide for ecosystem diversity are the context for the evaluation of species diversity (FSH 1909.12, Chap. 40, Sec. 43.21). Plan components for ecosystem diversity may contribute to ecological conditions that may or may not support species diversity. Therefore, the Species Diversity Analysis Process, in conjunction with the Ecosystem Diversity Analysis Process, strives to promote ecological sustainability across the planning area by developing Forest Plan components that protect or enhance species diversity where existing plan direction does not sufficiently protect or enhance individual species, groups of species, or habitats (FSH 1909.12, Ch. 40; FSM 1921.74b and 1921.77c).

## **PART I: Species Diversity**

## **Species List**

The Species Diversity Analysis Process considers the relationships between ecosystem diversity components and select plant and animal species (and subspecies) in the plan area by using explicit criteria to identify species considered to be of concern or interest in the plan area. Development of the proposed species list followed national direction (FSH 1909.12, Ch 40, Sec 43. 22). The list consisted of Threatened and Endangered (T & E) species for Region 3; Species-of-Concern (SOC) and potential Species-of-Interest (SOI) that occur within the forest plan area. This list of select species serves as a model of species diversity in the planning area. The list was developed only for Forest Plan revision purposes, and does not confer special regulatory status on any species beyond existing state and federal status.

An iterative approach was used to develop the proposed species list. Biologists and botanists from the Kaibab, Coconino, Prescott, and Apache-Sitgreaves National Forests gathered initial species information, and incorporated input from a Species Diversity focus group. The focus group consisted of representatives from the Forest Service, U.S. Fish and Wildlife Service (FWS), Arizona Game and Fish Department (AGFD), Grand Canyon Wildlands Council, National Park Service, Nature Conservancy, and others. The State Heritage Data Management System and Arizona Rare Plant Task Force were contracted for plant information. The Forest

Service Southwestern Regional Office and five Arizona Forests contracted with the Museum of Northern Arizona for information regarding invertebrate species. An initial list of species and subspecies (including plants, macro-lichens, invertebrates, reptiles, amphibians, birds, and mammals) with population or habitat concerns in Arizona was developed using the following criteria.

## Criteria

The following guidelines were used for species inclusion on the initial list and stratification purposes. These guidelines were set forth by the Ecological Sustainability workgroup (USDA Forest Service 2008). NatureServe (www.natureserve.org) maintains ranking information for SOC and SOI (NatureServe 2008).

#### Threatened and Endangered Species

The FWS maintains lists for Threatened and Endangered species federally listed under the Endangered Species Act (1973). This list is periodically reviewed, and can be found at www.fws.gov/endangered/. Lists by Arizona county can be found at www.fws.gov/arizonaes/.

- Include T & E species known or likely to occur on the forest
- Accidental occurrences of species on the planning unit may not warrant inclusion under plan revision.
- If a species historically occurred on the forest, but has no known recent occurrences and no expectation for reestablishment it may not warrant inclusion under plan revision.

#### *Species of Concern (FSH 1909.12.40.43.22b)*

Species of Concern are those species for which the Forest Supervisor may determine that management actions may be necessary to prevent future listing under the Endangered Species Act.

- Proposed and candidate species under the Endangered Species Act (ESA).
- Species ranked G-1, G-2, and G-3 by NatureServe.
- Subspecific taxa ranked T-1, T-2, and T-3 by NatureServe.
- Species petitioned for federal listing and for which a positive "90 day finding" has been made.
- Species delisted within the last 5 years and/or delisted species which require continued monitoring.

#### Potential Species of Interest (FSH 1909.12.40.43.22c)

Species of Interest are those species for which the Forest Supervisor may determine that management actions may be necessary or desirable to achieve ecological or other multiple use objectives. Designation of SOI may be influenced by local conditions, and site specific management actions and/or habitat conditions which might impart further risk to the species. In addition socio-economic value, public interest, and threats to ecosystem diversity may be considered.

- Species with ranks of S-1, S-2, N-1, or N-2 on the NatureServe
- State listed T & E
- Species of conservation concern as identified by the State Comprehensive Wildlife Strategy.

- Species on the U.S. Fish & Wildlife Service Birds of Conservation Concern National Priority List.
- Additional species of regional or local conservation concern
- Species hunted or fished
- Other species of public interest

Since many of the potential SOI species were not at significant local risk, or of high public interest, it was necessary to use additional criteria to determine those that merit identification as SOI:

- Species habitat or population has declined significantly in the plan area.
- Species and its habitats are not well-distributed in the plan area.
- Species population numbers are low in the plan area.
- Species is dependent on a specialized habitat or one that is limited in the plan area.
- There is some imminent threat to the species.
- Species habitat or population is not generally secure in the planning area, and NFS lands act as an important refuge.
- Species is of public interest, including those species identified cooperatively with State Fish and Wildlife Agencies consistent with the Sikes Act.
- Species is invasive.
- Species poses a threat to ecosystem or species diversity.

#### **Assessment Sources**

Sources of information included, but were not limited to:

- The Southwestern Regional Forester Sensitive Species List
- Feedback from a Species Diversity Workgroup
- Biota Information System of New Mexico (Bison-M)
- Arizona State Heritage Data Management System
- Arizona Rare Plant Task Force
- Museum of Northern Arizona
- Taxonomy books, field guides, journals, various publications
- On-line herbaria,
- Species listed or ranked within various strategies, agreements and lists such as, Arizona Partners in Flight, Partners in Flight, the Comprehensive Wildlife Conservation Strategy, U.S. Fish and Wildlife Service Birds of Conservation Concern, Statewide Conservation Agreement for native fish, Western Bat Working Group priorities, Arizona's administrative rules and laws
- Local, regional or national experts for various species taxa

The FWS and the AGFD were additionally contacted regarding information about future plans to supplement, introduce or re-introduce species on or adjacent to the Kaibab National Forest within the next 5-10 years. Appendix A provides additional information on some of the primary resources consulted during the screening process.

## **Screening Results**

If the resulting SOC and SOI from this initial list met any of the following criteria they were removed from the list for further consideration in the planning process (FSH 1909.12, CH 40, Sec. 43.22d):

- Species does not occur on the forest and there is no known habitat in the plan area.
- Species is secure in the plan area based on occurrence, distribution, available habitat, and response to natural disturbance and/or management.
- There is too little information to complete a reliable assessment (taxonomic uncertainty, habitat needs, population trend estimates).
- Species are not affected by any form of current or potential management or lack of management in the plan area.

The initial list contained a total of 1,835 species (Appendix B). The subsequent screening resulted in a list of 145 species to be carried forward in the Species Diversity Analysis Process (Table 1). This included 63 invertebrate and vertebrates (26 birds, 1 fish, 8 reptiles and amphibians, 9 invertebrates, 19 mammals) and 82 plants to be carried forward for further analysis. Of those species, 3 were federally threatened or endangered, 84 were SOC and the remaining 58 were SOI. Those species not carried forward were retained in the project record should future information become available that might warrant reconsideration at a later date. A total of 1,690 species were screened out. The majority (1,419) of those species was screened out because they did not occur in the planning unit, or there was insufficient information to to complete a reliable assessment. Without adequate information on species habitat needs and/or population and status trends, it is difficult, if not impossible to devise adequate management policies. For many of these species additional research is necessary and encouraged. There were 50 species screened out because of taxonomic uncertainty. The remaining 221 species were screened out because they were secure in the planning unit or were unlikely to be affected by current management or lack of management. The initial list of species considered, and the screening rationale and results for each one is included in the ACCESS database.

Table 1. Species to be carried forward in the Species Diversity Analysis Process. T or E:
Species identified as Threatened or Endangered under the Endangered Species Act; SOC:
Species of Concern as identified under the 2008 Planning Rule, FSH 1909.12; SOI: Species of
Interest as identified under the 2008 Planning Rule, FSH 1909.12

Scientific Name	Common Name	Taxon	Status
Gymnogyps californianus	California condor	Bird	E
Oncorhynchus apache	Apache (Arizona) trout	Fish	Т
Strix occidentalis lucida	Mexican spotted owl	Bird	Т
Acrolophitus nevadensis	Nevada point-headed	Invertebrate	SOC
	grasshopper		
Actaea arizonica	Arizona bugbane	Plant	SOC
Aeshna persephone	Persephone's darner	Invertebrate	SOC
Agave utahensis var. kaibabensis	Utah century plant	Plant	SOC
Agave utahensis var. utahensis	Utah agave	Plant	SOC
Allium bigelovii	Bigelow's onion	Plant	SOC
Aquilegia caerulea var. pinetorum	Columbine	Plant	SOC

Scientific Name	Common Name	Taxon	Status
Arenaria aberrans	Mt. Dellenbaugh sandwort	Plant	SOC
Asclepias hallii	Hall's milkweed	Plant	SOC
Astragalus amphioxys var.	Alladin's slippers	Plant	SOC
modestus	I I I I I I I I I I I I I I I I I I I		
Astragalus ampullarius	Gumbo milkvetch	Plant	SOC
Astragalus cremnophylax var.	Hevron's milkvetch	Plant	SOC
hevronii			
Astragalus cremnophylax var.	Cliff milkvetch	Plant	SOC
myriorrphaphis			
Astragalus episcopus var.	Lancer milkvetch	Plant	SOC
lancearius			
Astragalus humistratus var.	Groundcover milkvetch	Plant	SOC
tenerrimus			
Astragalus lentiginosus var.	Freckled milkvetch	Plant	SOC
oropedii			
Astragalus lentiginosus var. vitreus	Freckled milkvetch	Plant	SOC
Astragalus pinonis var. atwoodii	A milkvetch	Plant	SOC
Astragalus rusbyi	Rusby's milkvetch	Plant	SOC
Astragalus subcinereus	Silver milkvetch	Plant	SOC
Astragalus titanophilus	Limestone milkvetch	Plant	SOC
Astragalus troglodytus	Creeping milkvetch	Plant	SOC
Botrychium echo	Reflected moonwort	Plant	SOC
Callophrys sheridanii comstocki	Desert green hairstreak	Invertebrate	SOC
Camissonia gouldii	Diamond Valley suncup	Plant	SOC
Carex oreocharis	A sedge	Plant	SOC
Castilleja kaibabensis	Kaibab Indian-paintbrush	Plant	SOC
Chrysothamnus molestus	Disturbed (Tusayan)	Plant	SOC
	rabbitbrush		
Cirsium rothrockii	Rose-color thistle	Plant	SOC
Cleome lutea var. jonesii	Jones' spider-flower	Plant	SOC
Cordylanthus wrightii kaibabensis	Wright's bird's-beak	Plant	SOC
Cryptantha abata	Dent-nut cat's-eye	Plant	SOC
Cystopteris utahensis	Utah bladder fern	Plant	SOC
Draba asprella var. asprella	Rough whitlow-grass	Plant	SOC
Draba asprella var. kaibabensis	Rough whitlow-grass	Plant	SOC
Draba asprella var. stelligera	Rough whitlow-grass	Plant	SOC
Draba rectifructa	Mountain whitlow-grass	Plant	SOC
Erigeron saxatilis	Cliff fleabane	Plant	SOC
Eriogonum corymbosum var.	Wild buckwheat	Plant	SOC
glutinosum			
Eriogonum darrovii	Darrow's buckwheat	Plant	SOC
Eriogonum ericifolium var.	Yavapai wild buckwheat	Plant	SOC
pulchrum			
Eriogonum jonesii	Jones' wild buckwheat	Plant	SOC

Scientific Name	Common Name	Taxon	Status	
Eriogonum mortonianum	Morton wild buckwheat	Plant	SOC	
Eriogonum thompsoniae var.	Atwood wild buckwheat	Plant	SOC	
atwoodii	Atwood whe buckwheat	1 Iant	300	
Escobaria vivipara var. kaibabensis	Spinystar	Plant	SOC	
<b>A</b>	1 2	Bird	SOC	
Falco peregrinus anatum	American peregrine falcon	Plant	SOC	
Gaillardia parryi	Parry's blanket-flower			
Haliaeetus leucocephalus	Bald eagle	Bird	SOC	
Hedeoma diffusa	Flagstaff pennyroyal	Plant	SOC	
Heuchera novomexicana	New Mexico alum-root	Plant	SOC	
Ivesia arizonica	Arizona whitefeather	Plant	SOC	
Ivesia arizonica var. arizonica	Arizona whitefeather	Plant	SOC	
Lampropeltis pyromelana	Utah Mountain kingsnake	Herpetofauna	SOC	
infralabialis				
Lepidium montanum var. glabrum	Mountain pepperweed	Plant	SOC	
Lesquerella arizonica	Arizona bladderpod	Plant	SOC	
Lesquerella kaibabensis	Kaibab bladderpod	Plant	SOC	
Lotus mearnsii var.mearnsii	Mearns lotus	Plant	SOC	
Macromeria viridiflora var.	Giant-trumpets	Plant	SOC	
viridiflora				
Mertensia macdougalii	Macdougal's bluebells	Plant	SOC	
Myosurus nitidus	Western mouse-tail	Plant	SOC	
Papilio indra kaibabensis	Kaibab Indra swallowtail	Invertebrate	SOC	
Pediocactus paradinei	Park pincushion-cactus	Plant	SOC	
Pediocactus peeblesianus	Fickeisen hedgehog-	Plant	SOC	
var.fickeiseniae	cactus			
Pediomelum mephiticum	Skunk-top scurfpea	Plant	SOC	
Penstemon caespitosus var.	Matt penstemon	Plant	SOC	
desertipicti	F		~ ~ ~ ~	
Penstemon laevis	Southwestern beardtongue	Plant	SOC	
Penstemon nudiflorus	Flagstaff beardtongue	Plant	SOC	
Penstemon pseudoputus	Kaibab beardtongue	Plant	SOC	
Perityle congesta	Compacted rock daisy	Plant	SOC	
Perityle gracilis = Laphamia	Grass-like rock daisy	Plant	SOC	
gracilis	Crubs like look duisy	- 10111		
Phacelia serrata	Serrate phacelia	Plant	SOC	
Phemeranthus validulus =Talinum	Western flame-flower	Plant	SOC	
validulum		1 14111	500	
Phlox amabilis	Arizona phlox	Plant	SOC	
Piruna polingii	Four-spotted skipperling	Invertebrate	SOC	
Potentilla crinita var. lemmonii	Bearded cinquefoil	Plant	SOC	
Ranunculus oreogenes	Oregon buttercup	Plant	SOC	
Rosa stellata ssp. abyssa	Grand Canyon rose	Plant	SOC	
· · ·		Plant		
Shepherdia rotundifolia	Roundleaf buffaloberry		SOC	
Speyeria nokomis	Nokomis fritillary	Invertebrate	SOC	

Scientific Name	Common Name	Taxon	Status
Speyeria nokomis nokomis	Nokomis fritillary	Invertebrate	SOC
Sporobolus interruptus	Black dropseed	Plant	SOC
Stachys rothrockii	Rothrock hedge-nettle	Plant	SOC
Thelypodiopsis ambigua var.	Long Valley	Plant	SOC
ambigua	tumblemustard		
Triteleia lemmoniae	Oak Creek triteleia	Plant	SOC
Accipiter gentilis	Northern goshawk	Bird	SOI
Amphispiza belli	Sage sparrow	Bird	SOI
Antilocapra americana	Pronghorn	Mammal	SOI
Asclepias quinquedentata	Slimpod milkweed	Plant	SOI
Baeolophus ridgwayi	Juniper titmouse	Bird	SOI
Bufo microscaphus	Arizona toad	Herpetofauna	SOI
Buteo regalis	Ferruginous hawk	Bird	SOI
Cardellina rubrifrons	Red-faced warbler	Bird	SOI
Cicindela terricola kaibabensis	Kaibab variable tiger beetle	Invertebrate	SOI
Clematis hirsutissima var. hirsutissima	Hairy clematis	Plant	SOI
Coccothraustes vespertinus	Evening grosbeak	Bird	SOI
Contopus cooperi	Olive-sided flycatcher	Bird	SOI
Corynorhinus townsendii	Pale Townsend's big-eared	Mammal	SOI
pallescens	bat		
Crotalus cerberus	Arizona black rattlesnake	Herpetofauna	SOI
Cynomys gunnisoni	Gunnison's prairie dog	Mammal	SOI
Dendragapus obscurus	Dusky (blue) grouse	Bird	SOI
Dendroica graciae	Grace's warbler Bird		SOI
Dendroica nigrescens	Black-throated gray warbler	Bird	SOI
Dipodomys microps leucotis	House Rock Valley chisel- toothed kangaroo rat	Mammal	SOI
Euderma maculatum	Spotted bat	Mammal	SOI
Eumeces skiltonianus	Western skink	Herpetofauna	SOI
Eumops perotis californicus	Greater western mastiff bat	Mammal	SOI
Gymnorhinus cyanocephalus	Pinyon jay	Bird	SOI
Helianthus arizonensis	Arizona sunflower	Plant	SOI
Hyla wrightorum	Arizona (mountain)	Herpetofauna	SOI
	treefrog	retoriu	
Idionycteris phyllotis	Allen's lappet-browed bat Mammal		SOI
Lampropeltis triangulum	Milksnake	Herpetofauna	SOI
Libellula nodisticta	Hoary skimmer	Invertebrate	SOI
Melanerpes lewis	Lewis's woodpecker	Bird	SOI
Microtus longicaudus	Long- tailed vole	Mammal	SOI
Microtus mogollonensis navaho	Navajo Mogollon vole	Mammal	SOI

Scientific Name	Common Name	Taxon	Status
Moneses uniflora	Wood nymph	Plant	SOI
Myotis auriculus	Southwestern myotis	Mammal	SOI
Neotamias minimus consobrinus	Kaibab least chipmunk	Mammal	SOI
Nuphar lutea	Pond lily	Plant	SOI
Nyctinomops macrotis	Big free-tailed bat	Mammal	SOI
Oporornis tolmiei	MacGillivray's warbler	Bird	SOI
Oreoscoptes montanus	Sage thrasher	Bird	SOI
Ovis canadensis nelsoni	Desert bighorn	Mammal	SOI
Passerculus sandwichensis	Savannah sparrow	Bird	SOI
Penstemon rydbergii	Rydberg's penstemon	Plant	SOI
Pipilo chlorurus	Green-tailed towhee	Bird	SOI
Progne subis arboricola	Purple martin (Western)	Bird	SOI
Rana pipiens	Northern leopard frog	Herpetofauna	SOI
Regulus satrapa	Golden-crowned kinglet	Bird	SOI
Salix bebbiana	Bebb's willow	Plant	SOI
Sciurus aberti	Abert's squirrel	Mammal	SOI
Sciurus aberti kaibabensis	Kaibab tree squirrel	Mammal	SOI
Sorex merriami leucogenys	Merriam's shrew	Mammal	SOI
Sorex nanus	Dwarf shrew	Mammal	SOI
Spea intermontana	Great Basin spadefoot	Herpetofauna	SOI
Sphyrapicus nuchalis	Red-naped sapsucker	Bird	SOI
Spizella breweri	Brewer's sparrow	Bird	SOI
Tamiasciurus hudsonicus	Red squirrel	Mammal	SOI
Thelypteris puberula	Showy maidenfern	Plant	SOI
Thomomys talpoides kaibabensis	Kaibab northern pocket	Mammal	SOI
	gopher		
Vermivora celata	Orange-crowned warbler	Bird	SOI
Vireo vicinior	Gray vireo	Bird	SOI

## Habitat Associations and Initial Species Groups

Two types of basic information were initally used to group species carried forward in the Species Diversity Analysis Process; terrestrial or aquatic habitat associations, and biotic or abiotic habitat components. Species were grouped first by habitat association, represented by water or the 15 broadly defined vegetation types historically present in the planning area (i.e., 'PNVT'; see discussion in following paragraph). Species were secondarily grouped by habitat components not specifically addressed by broad habitat associations. Finally, species not addressed in the two previous groups were addressed separately.

Vegetation is one of the primary factors which influences species diversity and abundance and is one of the more obvious habitat components subject to management, land use, and natural disturbance. Because vegetation is such a significant habitat component, and because integration of species with habitat components is a primary emphasis of the current ESR, species were associated with one or more of several vegetation states that might be influenced by management activities on National Forest Service land. These Potential Natural Vegetation Types (PNVTs) represent the land's potential vegetation under natural disturbance or biological regimes, minus human induced change. Availability and status of PNVTs on the forest is in many cases directly tied to species presence and absence, and designation of particular PNVTs to specific species is critical for assessing future management needs. For the Southwest Region, PNVTs were developed collaboratively by The Nature Conservancy and the U.S. Forest Service's Mid-Scale Vegetation Mapping Project. It is not within the scope of this document to elaborate further on PNVTs, but they are discussed thoroughly in the KNF Vegetation Fire and Fuels Report (Kaibab National Forest 2008a).

# Species associated with ecosystem diversity characteristics of terrestrial vegetation or aquatic systems

Table 2 shows the number of species by taxa and category and their habitat associations. A detailed listing by species can be found in Appendix C. Figure 1 represents the proportion of species in each category by habitat association. Numerous species were associated with more than one PNVT. However, only 3 species (Pale Townsend's big-eared bat, American peregrine falcon, and California condor), were so wide ranging among habitat types that they could not be assigned a particular habitat association.

Habitat Association	Birds	Fish	Herpetofauna	Invertebrates	Mammals	Plants	ESA	SOC	SOI	Total Species
Pinyon-Juniper Woodland	4		4	2	1	37		40	8	48
Ponderosa Pine Forest	7		4	4	5	36		39	17	56
Dry Mixed Conifer Forest	8			3	3	2	1	5	10	16
Mixed Conifer with Aspen	8			2	4	5		9	10	19
Sage-brush Shrubland	3		1	1	3	12		13	7	20
Montane / Subalpine Grassland	1			2	7	8		8	10	18
Great Basin Grassland	2		2	1	5	6		7	9	16
Spruce Fir Forest	3				3	4		3	7	10
Semi-desert Grassland	1		2		4	3		2	8	10
Desert Communities	1				3	8		8	4	12
Gambel Oak Shrubland			2					1	1	2
Wetland / Cienega	1		4	5		2		8	3	11
Cottonwood-Willow Riparian Forest			1			2		1	2	3
Water	1	1	4	2		1	1	2	6	9

<u>Table 2.</u> Total number of species by taxa and status (ESA: federally threatened or endangered species; SOC: species-of-concern; SOI: species-of-interest) for each habitat association (i.e., PNVT and Water).

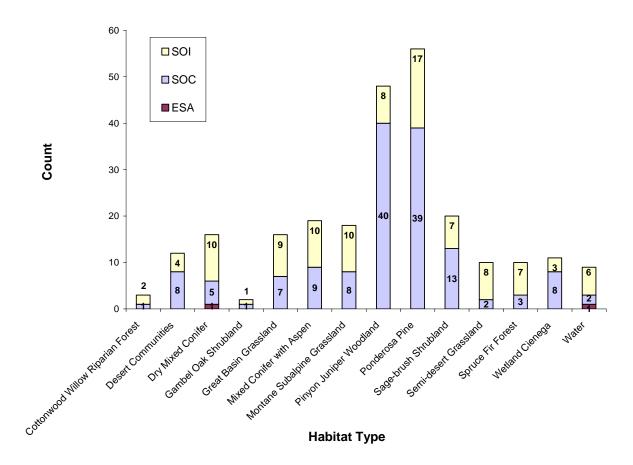


Figure 1. Proportion of species by category (SOI: Species of Interest, SOC: Species of Concern, ESA: species federally listed under the Endangered Species Act of 1973) and habitat type.

## Species grouped by specific habitat components

Plants were grouped solely on habitat associations (i.e., PNVT and Water). Non-plant species (specified in Table 4) were secondarily grouped by the following habitat components:

- **Trees**: cavities, snags, downed logs, litter/debris, tree species (i.e., Oak, Aspen), tree size class, tree height, sap producing hard woods.
- **Forest**: open/closed canopy, forest clearings, degree of canopy layering, tree dispersion (i.e., clumps and groups),
- Understory: available forage, low shrubs, ferns, grasses for nesting.
- **Shrubland**: shrub height and density, herbaceous component.
- Wetland/Water: cattle tanks, ephemeral pools, seeps, springs, emergent vegetation, marsh/wetland edges
- Grassland: subalpine meadows, moist meadows, open grasslands
- **Rock and Other Abiotic**: burrows, canyons, cliffs crevices, talus, mines, empty buildings

### **Other species**

The California condor was the only species neither tied to a specific habitat in the plan area nor addressed by the habitat components specified above. For this species, food resources (i.e., carcasses) are the critical limiting factor.

## **PART II: Species Risk Assessment**

Once the list of species to be carried forward for further analysis were identified, species were assigned to two groups: 1) species threatened by risks to ecosystem diversity characteristics, and 2) species facing threats in addition to risks to ecosystem diversity characteristics. Ecosystem diversity characteristics include the environmental measures that were used to describe terrestrial vegetation (PNVT), soil, and aquatic conditions on the Forest. Threats to composition, structure, and processes that affect vegetation, soil, and aquatic conditions were considered and described in relation to historic conditions. For details, refer to the Kaibab National Forest vegetation, fire and fuels report (Kaibab National Forest 2008a), soils report (Kaibab National Forest 2008b), and aquatic systems report (Kaibab National Forest 2008c).

# Species Associated With Risks to Ecosystem Diversity Characteristics

Information gathered on each species was reviewed and a determination made as to whether the threats to the terrestrial and aquatic ecosystem diversity characteristics were also affecting the species. In general, it was assumed that those species associated with PNVTs or water sources departed from and trending away from historic conditions were at risk. Many species were associated with more than one PNVT. All PNVTs analyzed in the terrestrial vegetation report (Kaibab National Forest 2008a) were departed from reference conditions, suggesting that the associated species' habitat needs were not being met and therefore not sustainable given current management practices (Table 3). Water sources (seeps, springs, streams, ponds, reservoirs, tanks) exhibit various conditions by watershed. Most watersheds in the planning area show low departure from reference conditions, but some individual water sources are departed from reference conditions (Kaibab National Forest 2008c). Habitat-specific threats related to ecosystem diversity characteristics included effects such as fire, vegetation type conversion, overgrazing, insect outbreaks and exotic species invasion. These threats and their impacts on PNVTs are treated more intensively in the Kaibab National Forest vegetation, fire and fuels report (Kaibab National Forest 2008a). Threats associated with water can be found in the aquatic systems report (Kaibab National Forest 2008c), and fish species diversity report (Kaibab National Forest 2008d).

<u>Table 3.</u> Species with habitat threats associated with risks to terrestrial or aquatic Ecosystem Diversity Characteristics (as described by PNVT or Water classification).

Taxa and Species Common Name
Birds: Juniper titmouse, Black-throated gray warbler, Pinyon jay,
Gray vireo
Reptiles & Amphibians: Arizona black rattlesnake, Western skink,
Utah Mountain kingsnake, Great Basin spadefoot
Invertebrates: Desert green hairstreak, Kaibab Indra swallowtail
Mammals: Big free-tailed bat
Plants: Utah century plant, Hall's milkweed, Alladin's slippers,
Gumbo milkvetch, Cliff milkvetch, Lancer milkvetch, Freckled
milkvetch (var. <i>oropedii</i> ), Freckled milkvetch (var. <i>vitreus</i> ), A
milkvetch (Astragalus pinonis var. atwoodi), Silver milkvetch,
Creeping milkvetch, Diamond Valley suncup, Disturbed (Tusayan)
rabbitbrush, Jones' spider-flower, Wright's bird's-beak, Dent-nut
cat's-eye, Utah bladder fern, Rough whitlow-grass (var.
kaibabensis), Wild buckwheat, Yavapai wild buckwheat, Jones'
wild buckwheat, Spinystar, Parry's blanket-flower, Arizona
sunflower, Mountain pepperweed, Arizona bladderpod, Park
pincushion-cactus, Mat penstemon, Southwestern beardtongue,
Flagstaff beardtongue, Grass-like rockdaisy, Western flame-flower,
Arizona phlox, Grand Canyon rose, Roundleaf buffaloberry,
Rothrock's hedge-nettle, Long Valley tumblemustard
Birds: Northern goshawk, Olive- sided flycatcher, Grace's warbler,
Bald eagle, Lewis's woodpecker, MacGillivray's warbler, Purple
martin (Western)
Reptiles & Amphibians: Arizona black rattlesnake, Western skink,
Arizona (mountain) treefrog, Utah Mountain kingsnake
Invertebrates: Persephone's darner, Nokomis fritillary, Nokomis
fritillary ssp. <i>nokomis</i> , Nevada point-headed grasshopper
Mammals: Allen's lappet-browed bat, Southwestern myotis, Abert's
squirrel, Kaibab tree squirrel, Merriam's shrew
Plants: Slimpod milkweed, Groundcover milkvetch, Freckled
milkvetch (var. <i>oropedii</i> ), Rusby's milkvetch, Silver milkvetch,
Creeping milkvetch, Rose-color thistle, Hairy clematis, Wright's
bird's-beak, Dent-nut cat's-eye, Utah bladder fern, Rough whitlow- grass (var. <i>asprella</i> ), Rough whitlow-grass (var. <i>kaibabensis</i> ),
Rough whitlow-grass (var. <i>stelligera</i> ), Cliff fleabane, Yavapai wild
buckwheat, Flagstaff pennyroyal, Arizona whitefeather, Arizona
whitefeather (var. <i>arizonica</i> ), Arizona bladderpod, Giant-trumpets,
Macdougal's bluebells, Wood nymph, Western Mouse-tail,
Southwestern beardtongue, Flagstaff beardtongue, Kaibab
beardtongue, Compacted rock daisy. Serrate phacelia. Western
beardtongue, Compacted rock daisy, Serrate phacelia, Western flame-flower, Arizona phlox, Bearded cinquefoil, Oregon buttercup,

Habitat (PNVT or Water)	Taxa and Species Common Name
Dry Mixed Conifer Forest	Birds: Northern goshawk, Red-faced warbler, Evening grosbeak, Olive-sided flycatcher, MacGillivray's warbler, Green-tailed towhee, Mexican spotted owl, Orange-crowned warbler
	Invertebrates: Kaibab Indra swallowtail, Nokomis fritillary, Nokomis fritillary ssp. <i>nokomis</i>
	Mammals: Allen's lappet-browed bat, Southwestern myotis, Merriam's shrew
	Plants: Cliff milkvetch, Silver milkvetch
Sagebrush Shrubland	Birds: Sage sparrow, Sage thrasher, Brewer's sparrow
	Reptiles & Amphibians: Great Basin spadefoot
	Invertebrates: Desert green hairstreak
	Mammals: Pronghorn, Spotted bat, Big free-tailed bat
	Plants: Alladin's slippers, Lancer milkvetch, Freckled milkvetch
	(var. vitreus), Disturbed (Tusayan) rabbitbrush, Wright's bird's-
	beak, Dent-nut cat's-eye, Jones' wild buckwheat, Morton wild
	buckwheat, Atwood's wild buckwheat, Park pincushion-cactus,
	Fickeisen hedgehog-cactus, Grand Canyon rose
Montane/Subalpine	Birds: Savannah sparrow
Grassland	Invertebrates: Kaibab variable tiger beetle, Four-spotted skipperling
	Mammals: Spotted bat, Greater western mastiff bat, Long- tailed
	vole, Navajo Mogollon vole, Big free-tailed bat, Dwarf shrew,
	Kaibab northern pocket gopher
	Plants: Mt. Dellenbaugh sandwort, Reflected moonwort, A sedge
	(Carex oreocharis), Kaibab Indian-paintbrush, Kaibab bladder-pod,
	Kaibab beardtongue, Rydberg's penstemon, Black dropseed
Great Basin Grassland	Birds: Ferruginous hawk, Savannah sparrow
	Reptiles & Amphibians: Milksnake, Great Basin spadefoot
	Invertebrates: Kaibab Indra swallowtail
	Mammals: Pronghorn, Gunnison's prairie dog, House Rock Valley
	chisel-toothed kangaroo rat, Spotted bat, Navajo Mogollon vole
	Plants: Utah Agave, Freckled milkvetch (var. vitreus), Limestone
	Milk-vetch, Darrow's Buckwheat, Park Pincushion-cactus,
	Fickeisen Hedgehog-cactus
Spruce-Fir Forest	Birds: Olive-sided flycatcher, Dusky (blue) grouse, Golden-crowned
	kinglet
	Mammals: Kaibab least chipmunk, Red squirrel, Kaibab northern
	pocket gopher
	Plants: Columbine, Groundcover milkvetch, Reflected moonwort,
	Wood nymph

Habitat (PNVT or Water)	Taxa and Species Common Name
Semi-desert Grassland	Birds: Ferruginous hawk
	Reptiles & Amphibians: Arizona black rattlesnake, Milksnake
	Mammals: Pronghorn, Gunnison's prairie dog, House Rock Valley
	chisel-toothed kangaroo rat, Spotted bat
	Plants: Bigelow's onion, Mearns lotus, Skunk-top scurfpea
Desert Communities	Bird: Brewer's sparrow
	Mammals: House Rock Valley chisel-toothed kangaroo rat, Big free-tailed bat, Desert bighorn
	Plants: Utah century plant, Bigelow's onion, Gumbo milkvetch, Hevron's milkvetch, Mountain pepperweed, Mearns lotus, Skunk- top scurfpea, Long Valley tumblemustard
Gambel Oak Shrubland	Reptiles & Amphibians: Arizona black rattlesnake, Utah Mountain kingsnake
Wetland/Cienega	Bird: Bald eagle
C	Reptiles & Amphibians: Arizona toad, Arizona (mountain) treefrog,
	Northern leopard frog, Great Basin spadefoot
	Invertebrates: Persephone's darner, Hoary skimmer, Four-spotted
	skipperling, Nokomis fritillary, Nokomis fritillary ssp. nokomis
	Plants: Pond lily, Bebb's willow
Cottonwood-Willow	Reptiles & Amphibians: Arizona toad
Riparian Forest	Plants: Jones' spider-flower, Showy maidenfern
Mixed Conifer w/ Aspen	Birds: Red-faced warbler, Evening grosbeak, Olive-sided
r i i i i i i i i i i i i i i i i i i i	flycatcher, Dusky (blue) grouse, MacGillivray's warbler, Golden-
	crowned kinglet, Red-naped sapsucker, Orange-crowned warbler
	Invertebrates: Nokomis fritillary, Nokomis fritillary ssp. nokomis
	Mammals: Southwestern myotis, Kaibab least chipmunk, Red
	squirrel, Kaibab northern pocket gopher
	Plants: Arizona Bugbane, Columbine, Rusby's milkvetch, Mountain
	whitlow-grass, Wood nymph
Water (seeps, springs,	Bird: Bald eagle
streams, ponds, reservoirs,	Fish: Apache (Arizona) trout
tanks)	Reptiles & Amphibians: Arizona toad, Arizona (mountain) treefrog,
	Northern leopard frog, Great Basin spadefoot
	Invertebrates: Persephone's darner, Hoary skimmer
	Plants: Pond lily

## Species Facing Threats Not Associated With Risks to Ecosystem Diversity Characteristics

Additional management considerations may be necessary to adequately address threats that are not covered by landscape level management policies. If species had additional threats to their habitat which could not be accounted for by ecosystem diversity risks alone, those threats were categorized separately by related habitat features (Figure 2 and Table 4). This included species which might depend on non-vegetative features or fine-scale microhabitat components found within the broader context of their habitat. Finally, some species face threats that are not related to ecosystem diversity characteristics or habitat features, and they are identified in Table 5 and summarized in Figure 3. Appendix D describes specific identified threats.

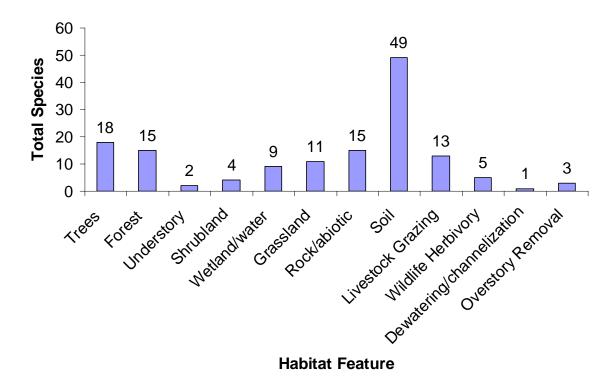


Figure 2. Total Species Affected By Additional Threats to Specific Habitat Features

<u>Table 4.</u> Species affected by threats to habitat features in addition to risks to ecosystem diversity characteristics. Threats marked with an asterisk (\*) may be localized, but the extent of impact can include the entire range of some narrow endemics, or significantly impact species of restricted distribution.

Threats	Outcome	Species Common Name
Threats to <b>tree features</b>	Loss of roost and nest sites for	Red-naped sapsucker, Western skink, Dusky (blue) grouse,
include loss of snags, debris	bats and cavity nesting birds.	Grace's warbler, Mexican spotted owl, Utah Mountain
removal, uncharacteristic	Decreased foraging opportunities	kingsnake, Navajo Mogollon vole, Purple martin (Western),
fire, wood collection.	and reduced habitat for small	Olive-sided flycatcher, Pale Townsend's big-eared bat, Allen's
	mammals, snakes and birds. Can	lappet-browed bat, Juniper titmouse, Lewis's woodpecker, Red-
	lead to widespread population	faced warbler, Southwestern myotis, Northern goshawk, Bald
	declines within the plan area	eagle, Evening grosbeak
Threats to <b>forest features</b>	Direct loss of habitat, loss of	Dusky (blue) grouse, Olive-sided flycatcher, Juniper titmouse,
include uncharacteristic fire,	nesting/roosting and foraging	Lewis's woodpecker, Northern goshawk, Abert's squirrel, Pinyon
loss of deciduous	sites can lead to population	jay, Golden-crowned kinglet, Black-throated gray warbler,
trees/shrubs, herbivory that	declines within the plan area	Spotted bat, Red-faced warbler, Green-tailed towhee, Dwarf
removes canopy layering,		shrew, Evening grosbeak, Arizona (mountain) treefrog.
fire suppression, and		
excessive overstory tree		
removal.		
Threats to <b>understory</b>	Decrease in available forage and	Desert green hairstreak, Dusky (blue) grouse
features include non-native	foraging sites	
grass invasion, overgrazing,		
fire regime,		
Threats to <b>shrubland</b>	Loss of habitat and decrease in	Pronghorn, House Rock Valley chisel-toothed kangaroo rat,
features include	available forage and nesting sites	Sage sparrow
overgrazing, drought,		
woodland invasion.		
Threats to wetland/water	Direct loss of habitat, loss of	Persephone's darner, Arizona toad, Arizona (mountain) treefrog,
features include wetland	forage opportunities, decrease in	Hoary skimmer, Four-spotted skipperling, Nokomis fritillary,
drainage and spring	reproductive sites	Nokomis fritillary ssp. nokomis, Navajo Mogollon vole
capping, flood scouring,		
overgrazing near water.		

Threats	Outcome	Species Common Name
Threats to <b>grassland</b> <b>features</b> include drying of moist meadows, too much bare ground, loss of forbs. Threats to <b>rock and other</b>	Loss of foraging opportunities/prey base Loss of hibernacula suitability	Greater western mastiff bat, Pronghorn, Gunnison's prairie dog, Long- tailed vole, Ferruginous hawk, Big free-tailed bat, Four- spotted skipperling, Nokomis fritillary, Gray vireo, Kaibab variable tiger beetle, Spotted bat Milksnake, Mexican spotted owl, Southwestern myotis, Pale
<b>abiotic features</b> include rock collection, cliff blasting, recreational rock climbing/caving, demolition of buildings used as roost sites	and nesting sites can lead to decreased reproductive status for snakes, bats, birds, and small mammal species	Townsend's big-eared bat, American peregrine falcon, Allen's lappet-browed bat, Spotted bat, Greater western mastiff bat, Purple martin (Western), Big free-tailed bat, House Rock Valley chisel-toothed kangaroo rat, Western skink, Utah Mountain kingsnake, Dwarf shrew, Arizona black rattlesnake
* <b>Soil disturbance</b> such as activities of livestock, people, or machinery that result in compaction, churning, and/or erosion.	Can inhibit plant reproduction and/or growth and vigor.	Arizona bugbane, Bigelow's onion, Mt. Dellenbaugh sandwort, Slimpod milkweed, Gumbo milkvetch, Lancer milkvetch, Groundcover milkvetch, Freckled milkvetch var. <i>oropedii</i> , Rusby's milkvetch, Silver milkvetch, Creeping milkvetch, Reflected moonwort, Diamond Valley suncup, A sedge ( <i>Carex</i> <i>oreocharis</i> ), Rose-color thistle, Jones' spider-flower, Wright's bird's-beak, Dent-nut cat's-eye, Mountain whitlow-grass, Darrow's buckwheat, Yavapai wild buckwheat, Jones' wild buckwheat, Parry's blanket-flower, Arizona whitefeather, Arizona whitefeather var. <i>arizonica</i> , Kaibab bladder-pod, Macdougal's bluebells, Western mouse-tail, Pond lily, Park pincushion-cactus, Skunk-top scurfpea, Flagstaff beardtongue, Kaibab beardtongue, Rydberg's penstemon, Serrate phacelia, Western flame-flower, Arizona phlox, Bearded cinquefoil, Oregon buttercup, Black dropseed, Rothrock's hedge-nettle, Oak Creek triteleia
* Inappropriate Livestock grazing	Can exceed a species ability to regenerate and reproduce, encourage invasive species, and alter growing conditions.	Arizona bugbane, Bigelow's onion, Slimpod milkweed, Rusby's milkvetch, Reflected moonwort, A sedge ( <i>Carex oreocharis</i> ), Kaibab Indian-paintbrush, Disturbed (Tusayan) rabbitbrush, Hairy clematis, Wild buckwheat, Darrow's buckwheat, Southwestern beardtongue, Black dropseed

Threats	Outcome	Species Common Name
* Excessive wildlife	Can exceed a species ability to	A sedge (Carex oreocharis), Disturbed (Tusayan) rabbitbrush,
herbivory	regenerate and reproduce, and	Wild buckwheat, Southwestern beardtongue, Kaibab
	alter growing conditions.	beardtongue, Bebb's willow
<b>Removal of overstory</b> (e.g.,	Can inhibit plant reproduction	Arizona bugbane, Hairy clematis, Wood nymph
inappropriate timber	and/or growth and vigor.	
removal, insect/disease		
mortality) is relevant to		
plants that need cool, shady		
site conditions.		
* Dewatering or	Can inhibit plant reproduction	Bebb's willow
channelization lowers the	and/or growth and vigor.	
water table.		

<u>Table 5.</u> Species facing threats not tied to habitat features. Threats marked with an asterisk (\*) may be localized, but the extent of impact can include the entire range of some narrow endemics, or significantly impact species of restricted distribution. Only those threats under Forest Service control, or that can be managed are included.

Threats Not Tied To Habitat	Outcome	Species Common Name
Features		
Invasive Species	Competition for resources (food,	Apache (Arizona) trout, Arizona (mountain) treefrog, Arizona
Interactions	space, water), and/or	toad, Arizona bugbane, Mt. Dellenbaugh sandwort, Gumbo
	hybridizations which can lead to	milkvetch, Hevron's milkvetch, A milkvetch (Astragalus pinonis
	direct mortality and decreases in	var. <i>atwoodii</i> ), Silver milkvetch, Creeping milkvetch, Diamond
	populations within the planning	Valley suncup, Dent-nut cat's-eye, Darrow's buckwheat, Kaibab
	area, loss of native species and	bladder-pod, Macdougal's bluebells, Western mouse-tail,
	changes in vegetation structure	Fickeisen hedgehog-cactus, Skunk-top scurfpea, Southwestern
		beardtongue, Flagstaff beardtongue, Kaibab beardtongue,
		Serrate phacelia, Western flame-flower, Arizona phlox, Bearded
		cinquefoil, Oregon buttercup, Grand Canyon rose, Oak Creek
		triteleia
Poisoning/Pesticide Use	Direct mortality and and local to	Pale Townsend's big-eared bat, Allen's lappet-browed bat, Big
	widespread population declines	free-tailed bat, Gunnison's prairie dog, California condor

Threats Not Tied To Habitat	Outcome	Species Common Name
Features		
Disease	Direct mortality and local to widespread population declines	Northern leopard frog, Gunnison's prairie dog, Arizona (mountain) treefrog, Desert bighorn, Arizona toad
Brown-headed cowbird parasitism	Decrease in nesting success, local population declines	Gray vireo
Development (housing, agriculture, roads, fences)	Local population declines, possible isolation of species and restrictions on species interactions	Gunnison's prairie dog, Pronghorn, Milksnake, Ferruginous hawk
* Crushing by livestock, people, or machinery; often associated with soil disturbance events.	Direct mortality, can lead to widespread population declines of narrow endemics	Arizona bugbane, Bigelow's onion, Mt. Dellenbaugh sandwort, Slimpod milkweed, Gumbo milkvetch, Lancer milkvetch, Diamond Valley suncup, Jones' spider-flower, Wright's bird's- beak, Dent-nut cat's-eye, Mountain whitlow-grass, Yavapai wild buckwheat, Jones' wild buckwheat, Parry's blanket-flower, Arizona whitefeather, Arizona whitefeather var. <i>arizonica</i> , Wood nymph, Pond lily, Park pincushion-cactus, Rydberg's penstemon, Serrate phacelia, Black dropseed, Rothrock's hedge-nettle
* Activities associated with infrastructure construction and maintenance (e.g., cliff blasting, road work).	Direct mortality, can lead to widespread population declines of narrow endemics	Gumbo milkvetch, Groundcover milkvetch, Cliff fleabane
Misidentification as a weed during weed eradication	Direct mortality.	Arizona sunflower
Slash piles/burning in forest openings	Direct mortality	Western flame-flower
Uranium exploration/mining	Direct mortality and population decline	Grand Canyon rose
Restricted Distribution or Narrow Endemics	Relatively high risk of extinction from localized threats.	See Table 6

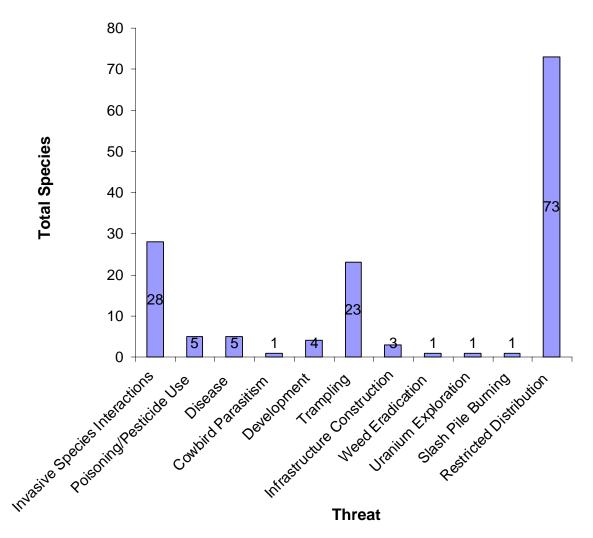


Figure 3. Species facing additional threats not tied to habitat features

Some species that occur on the Forest face an additional threat simply by virtue of their relatively limited range-wide distribution. These species might be easily affected by localized and/or stochastic events, and were noted separately regardless of whether or not they were associated with habitat level threats. A species (or subspecies) was considered to have a Restricted Distribution if it occurs to a limited extent in the Southwest; a species was also considered to be a Narrow Endemic if it has extremely limited distribution and/or habitat in northern Arizona. Due to their limited distribution and potential susceptibility to perturbation, these species may require additional management considerations. There were 73 species for which their restricted distribution was considered an additional threat. Of these, 47 were narrow endemics (Table 6).

Table 6. Species with restricted distributions, and	whether they are considered narrow ende	mics.
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Scientific Name	Common Name	Narrow
		Endemic

Scientific Name	Common Name	Narrow
		Endemic
Actaea arizonica	Arizona bugbane	Yes
Aeshna Persephone	Persephone's darner	no
Agave utahensis var. kaibabensis	Utah century plant	Yes
Agave utahensis var. utahensis	Utah agave	no
Aquilegia caerulea var. pinetorum	Columbine	no
Arenaria aberrans	Mt. Dellenbaugh sandwort	Yes
Astragalus amphioxys var. modestus	Alladin's slippers	no
Astragalus ampullarius	Gumbo milkvetch	no
Astragalus cremnophylax var. hevronii	Hevron's milkvetch	Yes
Astragalus cremnophylax var. myriorraphis	Cliff milkvetch	Yes
Astragalus episcopus var. lancearius	Lancer Mmilkvetch	no
Astragalus humistratus var. tenerrimus	Groundcover milkvetch	Yes
Astragalus lentiginosus var. oropedii	Freckled milkvetch	Yes
Astragalus lentiginosus var. vitreus	Freckled milkvetch	no
Astragalus pinonis var. atwoodii	A milk-vetch	Yes
Astragalus rusbyi	Rusby's milkvetch	Yes
Astragalus subcinereus	Silver milkvetch	no
Astragalus titanophilus	Limestone milkvetch	no
Astragalus troglodytes	Creeping milkvetch	no
Camissonia gouldii	Diamond Valley suncup	no
Castilleja kaibabensis	Kaibab Indian-paintbrush	Yes
Chrysothamnus molestus	Disturbed (Tusayan) rabbitbrush	Yes
Cicindela terricola kaibabensis	Kaibab variable tiger beetle	Yes
Cleome lutea var. jonesii	Jones' spider-flower	Yes
Cordylanthus wrightii kaibabensis	Wright's bird's-beak	Yes
Crotalus Cerberus	Arizona black rattlesnake	no
Cryptantha abata	Dent-nut cat's-eye	no
Dipodomys microps leucotis	House Rock Valley chisel-toothed	Yes
	kangaroo rat	105
Draba asprella var. asprella	Rough whitlow-grass	Yes
Draba asprella var. kaibabensis	Rough whitlow-grass	Yes
Draba asprella var. stelligera	Rough whitlow-grass	Yes
Erigeron saxatilis	Cliff fleabane	Yes
Eriogonum corymbosum var. glutinosum	Wild buckwheat	no
Eriogonum darrovii	Darrow's buckwheat	no
Eriogonum ericifolium var. pulchrum	Yavapai wild buckwheat	Yes
Eriogonum jonesii	Jones' wild buckwheat	Yes
Eriogonum mortonianum	Morton wild buckwheat	Yes
Eriogonum thompsoniae var. atwoodii	Atwood's wild buckwheat	Yes
Escobaria vivipara var. kaibabensis	Spinystar	Yes
Gaillardia parryi	Parry's blanket-flower	Yes
Gymnogyps californianus	California condor	no
Hedeoma diffusa	Flagstaff pennyroyal	Yes
	riagstatt pennytoyat	168

Scientific Name	Common Name	Narrow Endemic
Helianthus arizonensis	Arizona sunflower	no
Heuchera novomexicana	New Mexico alum-root	no
Lampropeltis pyromelana infralabialis	Utah Mountain kingsnake	no
Lepidium montanum var. glabrum	Mountain pepperweed	Yes
Lesquerella arizonica	Arizona bladder-pod	no
Lesquerella kaibabensis	Kaibab bladder-pod	Yes
Lotus mearnsii var. mearnsii	Mearns lotus	Yes
Mertensia macdougalii	Macdougal's bluebells	no
Myosurus nitidus	Western mouse-tail	no
Neotamias minimus consobrinus	Kaibab least chipmunk	Yes
Oncorhynchus apache	Apache (Arizona) trout	no
Papilio indra kaibabensis	Kaibab Indra swallowtail	Yes
Pediocactus paradinei	Park pincushion-cactus	Yes
Pediocactus peeblesianus var. fickeiseniae	Fickeisen hedgehog-cactus	Yes
Pediomelum mephiticum	Skunk-top scurfpea	no
Penstemon caespitosus var. desertipicti	Mat penstemon	no
Penstemon nudiflorus	Flagstaff beardtongue	Yes
Penstemon pseudoputus	Kaibab beardtongue	Yes
Perityle congesta	Compacted rock daisy	Yes
Phacelia serrata	Serrate phacelia	Yes
Phemeranthus validulus =Talinum validulum	Western flame-flower	Yes
Phlox amabilis	Arizona phlox	Yes
Potentilla crinita var. lemmonii	Bearded cinquefoil	Yes
Ranunculus oreogenes	Oregon buttercup	no
Rosa stellata ssp. abyssa	Grand Canyon rose	Yes
Sciurus aberti kaibabensis	Kaibab tree squirrel	Yes
Shepherdia rotundifolia	Roundleaf buffaloberry	Yes
Sporobolus interruptus	Black dropseed	Yes
Thelypodiopsis ambigua var. ambigua	Long Valley tumblemustard	Yes
Thomomys talpoides kaibabensis	Kaibab northern pocket gopher	Yes
Triteleia lemmoniae	Oak Creek triteleia	Yes

Although we did not formally identify climate change as a specific risk to our list of potential species, we recognize that climate change exists and that future management actions may need to be re-evaluated as new data becomes available. In a recent review, Periman (2008), found that most current models of climate change are broad and still evolving, making it difficult to assess associated impacts at the forest level scale. This distinction is important if locally implemented management strategies are to be effective.

In general, most climate modelers agree that the Southwest is trending toward prolonged drought. Future potential ecological effects in the Southwest may include an increase in more intense disturbance events such as wildfires, monsoons, and wind. Changing ecological

conditions could provide opportunities for invasion by non-native species with potential subsequent negative impacts on various taxa. General trends toward decreased precipitation could limit overall forest productivity. General changes in vegetation patterns could affect overall distribution and range of flora as well as fauna. Cumulatively these factors would likely impact biodiversity, however to what extent is currently uncertain. (See Periman 2008 and references therein).

## Summary of Major Findings and Conclusions

- 145 species were selected for further analysis from an initial list of 1,835 species.
- 142 species are subject to threats to Ecological Diversity Characteristics of terrestrial and aquatic systems.
- 96 species are subject to additional threats beyond identified threats to Ecological Diversity Characteristics of terrestrial and aquatic systems.
- 73 species with restricted distributions (including 47 narrow endemics) occur (or are likely to occur) wholly or in part within the planning area.

Of the 145 species identified as a model of species diversity on the KNF, 142 species are subject to factors that threaten terrestrial and aquatic ecosystem diversity characteristics. As the risks to ecosystem diversity characteristics mentioned above are managed, the species' habitat needs related to those ecosystem diversity characteristics will also be addressed. However, 96 species are subject to additional threats beyond identified risks to terrestrial and aquatic ecosystem diversity characteristics.

Some of these additional threats involve localized habitat features (Table 4). The risk of these threats must be considered at the project level to manage for and maintain full ecosystem function across the Forest. While plant and wildlife species use broad-scale vegetation types and associated developmental states in a general sense, most species use fine-scale habitat components in a specialized way. For example, many primary- and secondary cavity nesting species depend on an adequate distribution of standing dead wood suitable for excavation. The narrow endemic plant, Arizona bugbane, is highly dependent on cool, shady microsite conditions in ponderosa pine forest. These fine-scale habitat needs are not specifically considered or addressed in broad-scale terrestrial or aquatic management plans, so it is necessary to develop desired conditions and evaluate habitat needs from the species' perspective. Desired conditions can be described in the Forest Plan, but the best way to evaluate these fine-scale habitat issues is at the project level. By using both broad-scale and fine-scale approaches to land management planning, the Forest can promote sustainable management of fully-functioning ecosystems.

Other additional threats some species face are not related to specific habitat features (Table 5). Some of these threats are directly within the agency's control and authority to manage, such as avoiding Arizona sunflowers during weed eradication activities, and avoiding Western flameflowers during slash-pile burning activities. Some threats are not so much within agency control, but the KNF has the authority to mitigate the threats. For example, biological threats like disease or cowbird parasitism may be addressed by modifying livestock use, or restricting access in areas of high risk. The impacts of development, infrastructure, and non-renewable resource exploration/extraction activities may also be mitigated on a case-by-case basis. Desired conditions and acceptable mitigation strategies addressing threats not tied to habitat features can be described in the Forest Plan.

Species that may suffer especially severe consequences of unmanaged threats are the 73 "restricted distribution" plants and animals on the Forest (Table 6). In areas where these species occur, or are likely to occur, special consideration must be paid to analyzing and managing the risk of localized threats at the project level.

Finally, a key issue related to successfully effecting ecological change with land management planning is the concept of species and habitat monitoring. Species monitoring has been employed on the KNF to a limited extent (e.g., bird surveys), but could be used more extensively and with greater influence in designing future projects. Traditional forest and range monitoring are moderately applicable to habitat monitoring, but do not target wildlife and sensitive plant management objectives. The results of thoughtful monitoring efforts are important for adapting management activities to new conditions in the planning area. To determine if agency management activities meet species and habitat objectives, Plan components should be developed to better support species and habitat monitoring efforts on the Forest.

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USDA Forest Service. 2008. Guidance on the use of NatureServe global conservation status ranks in preparing land management plan revisions under the 2008 NFMA planning rule, FSM1920 and FSH 1909.12. Recommended Technical Guidance, revised 18 August 2008. Primary contact: Mark Bosch, National Threatened, Endangered & Sensitive Species Program, WFW Staff, Washington, DC. Available at: https://wwwnotes.fs.fed.us/wo/emc/imi/IMI\_OPEN\_TeamRoom.nsf/002024892f45686c8 7257145007e0094?OpenView

## **APPENDIX A: Key Assessment Sources**

#### NatureServe

#### http://www.natureserve.org

NatureServe is a joint establishment between The Nature Conservancy and The Natural Heritage Network. It is a non-profit organization whose primary goal is to disseminate biological information which may foster more effective conservation practices. NatureServe is a dynamic data source which changes as new data are available and includes biological information on more than 55,000 plants and animals in the United States and Canada. NatureServe uses a ranking system to establish conservation status of species at the Global (G), National (N), and Subnational (S) levels. Numerical numbers (1-5) are also assigned to the level appropriate for each species and are defined as follows:

- 1. Critically Imperiled
- 2. Imperiled
- 3. Vulnerable
- 4. Apparently Secure
- 5. Secure

## **Arizona Partners in Flight (APIF)**

#### http://mirror-pole.com/apif\_web/

A sub-group of the international organization Partners in Flight (PIF) which emphasizes the conservation of neotropical migratory birds in Arizona and Mexico. PIF maintains a Watch List of birds with special conservation status such as: species with multiple causes for concern across their entire range; species that are moderately abundant or widespread with declines or high threats; and species with restricted distribution or low population size. Additional information about the national Partners in Flight Program can be found on their website at http://www.partnersinflight.org/. Information on the APIF website is gathered from the USGS Biological Resources Division Colorado Field Station, the Arizona Game and Fish Department, and The U.S. Fish and Wildlife Service.

#### Kaibab National Forest Management Indicator Species (MIS)

#### http://www.fs.fed.us/r3/kai/management/efoia/wildlife\_mgmt/index.shtml

All forests are directed by the National Forest Management Act (1976) and the 1982 forest planning rule to identify a list of specific flora and fauna that serve as a metric for forest management activities. By monitoring the population, status, and trends of MIS species, forests are better able to assess how current forest activities and projects are affecting not only MIS species, but additional species which may share similar habitat needs. A current list of MIS for the Kaibab National Forest can be downloaded from the Kaibab National Forest website at: www.fs.fed.us/r3/kai/.

#### Arizona Heritage Data Management System (HDMS)

#### http://www.azgfd.gov/w\_c/edits/species\_concern.shtml

The Arizona Game and Fish Department is responsible for the state HDMS program, which is part of a global network of more than 80 Natural Heritage Programs and Conservation Data

Centres. The HDMS identifies elements of concern in Arizona and consolidates information about their status and distribution throughout the state. Data concerning the location of species of concern and habitats are mapped; data concerning the ecological status of species are cataloged; and data concerning the biology of species are consolidated into an organized system available for public use. Among other services, HDMS offers unpublished plant and animal abstracts and distribution maps collated from a variety of sources. Information is constantly being added and updated, creating a dynamic system. The HDMS is available through the AGFD website at: http://www.azgfd.gov/.

## Arizona Comprehensive Wildlife Strategy (CWCS)

#### http://www.azgfd.gov/w\_c/cwcs.shtml

State wildlife action plans outline the steps that are needed to conserve wildlife and habitat before they become more rare and more costly to protect. The wildlife action plan for Arizona is the CWCS, and it encourages collaboration among a variety of stakeholders to improve existing conservation activities and plans. The focus is on improved management for "wildlife and biotic communities of greatest conservation need". Additional information can be found by visiting the AGFD website at: http://www.azgfd.gov/.

### **Biota Information System of New Mexico (Bison-M)**

#### http://www.bison-m.org/

This website contains information on terrestrial vertebrates and invertebrates found in New Mexico and Arizona. It is jointly run by the New Mexico Department of Fish and Game and the Fish and Wildlife Information Exchange. BISON-M includes information on threatened, endangered, and sensitive species, and is continuously updated.

# U.S. Fish & Wildlife Service Birds of Conservation Concern National Priority List

#### http://www.fws.gov/migratorybirds/reports/bcc2002.pdf

The U.S. Fish and Wildlife Service Division of Migratory Bird Management has identified bird species and subspecies as Birds of Conservation Concern for those species that were likely to become federally threatened or endangered under the Endangered Species Act if conservation measures were not taken. The most recent version of the report and list was published in 2002, and is available through the FWS website: http://www.fws.gov/.

## **Southwest Regional Forester Sensitive Species List**

The Forest Service maintains a list of sensitive species in the Southwest Region, both native and non-native, which contribute to the forest's overall biodiversity. This list is periodically updated to reflect new information concerning status and trends. The most recent update of this list was in September of 2007. This update replaced the existing list dated July 1999. Updates and revisions to this list are important for identifying current management needs which may help to prevent additional listings under the Endangered Species Act. The 2007 version of the list is on file at the Kaibab National Forest, Williams, AZ.

## Other sources are listed in the project record (see Supporting Information).

# APPENDIX B: Initial list of 1,835 species considered in the plan revision process and their screening decision.

Scientific Name	Common Name	In Or Out
Abies lasiocarpa var. arizonica	Corkbark Fir	Screened Out
Abronia nana var. nana	Dwarf Sand-verbena	Screened Out
Abutilon parishii	Parish's Abutilon	Screened Out
Abutilon thurberi	Thurber Abutilon	Screened Out
Acacia millefolia	Milfoil Acacia	Screened Out
Accipiter gentilis	Northern goshawk	Retained
Accipiter gentilis apache	Apache northern goshawk	Screened Out
Acer glabrum var. diffusum	Mountain maple	Screened Out
Acer glabrum var. neomexicanum	Mountain maple	Screened Out
Acer negundo var. arizonicum	Box-elder	Screened Out
Aconitum infectum	Arizona Monkshood	Screened Out
Acrolophitus nevadensis	Nevada point-headed grasshopper	Retained
Actaea arizonica	Arizona Bugbane	Retained
Adenophyllum wrightii	Wright's Dogweed	Screened Out
Adopaeoides prittwitzi	Sunrise Skipper	Screened Out
Aechmophorus clarkii	Clark's grebe	Screened Out
Aechmophorus occidentalis	Western grebe	Screened Out
Aeronautes saxatilis	White-throated swift	Screened Out
Aeshna persephone	Persephone's Darner	Retained
Agastache ruperstris	Thread-leaf Giant-hyssop	Screened Out
Agathon arizonicus	Net-winged Midge	Screened Out
Agathymus alliae	Giant Mojave Skipper	Screened Out
Agathymus aryxna	Giant Aryxna Skipper	Screened Out
Agathymus baueri freemani	Freeman's Agave Borer	Screened Out
Agathymus evansi	Huachuca Giant-skipper	Screened Out
Agathymus gentryi	Gentry's Giant-skipper	Screened Out
Agathymus neumoegeni	Neumogen's Giant Skipper	Screened Out
Agathymus polingi	Poling's Giant Skipper	Screened Out
Agave arizonica	Arizona Agave	Screened Out
Agave delamateri	Tonto Basin Agave	Screened Out
Agave murpheyi	Murphey Agave	Screened Out
Agave parviflora	Small-flower Agave	Screened Out
Agave parviflora ssp. parviflora		Screened Out
Agave phillipsiana	Phillips' agave	Screened Out
Agave schottii var. treleasei		Screened Out
Agave toumeyana var. bella		Screened Out
Agave toumeyana var. toumeyana		Screened Out
Agave utahensis var. kaibabensis	Utah Century Plant	Retained
Agave utahensis var. utahensis	Utah Agave	Retained
Ageratina lemmonii	Lemmon's Thorough-wort	Screened Out
Ageratina paupercula	Santa Rita Mountains Thorough-wort	Screened Out
Agosia chrysogaster	Longfin dace	Screened Out
Agosia chrysogaster ssp.1	Yaqui Longfin Dace	Screened Out
Agylla septentrionalis		Screened Out
Aimophila botteri	Botteri's Sparrow	Screened Out
Aimophila carpalis	Rufous-winged sparrow	Screened Out
Aimophila cassinii	Cassin's sparrow	Screened Out
Aimophila quinquestriata	Five-striped sparrow	Screened Out

Scientific Name	Common Name	In Or Out
Aimophila ruficeps rupicola	Yuma Rufous-crowned Sparrow	Screened Out
Aix sponsa	Wood duck	Screened Out
Albiorix anophthalmus	A Cave Obligate Pseudoscorpion	Screened Out
Alectoris chukar	Chukar	Screened Out
Aletes macdougalii	Macdougal's Aletes	Screened Out
Aletes sessiliflorus	Sessile-flower Aletes	Screened Out
Alexicles aspersa	A Tiger Moth	Screened Out
Alisotrichia arizonica	A Caddisfly	Screened Out
Allium atrorubens var. cristatum		Screened Out
Allium bigelovii	Bigelow's Onion	Retained
Allium bisceptrum var. palmeri		Screened Out
Allium parishii	Parish's Onion	Screened Out
Alnus oblongifolia	Arizona Alder	Screened Out
Amazilia beryllina	Berylline hummingbird	Screened Out
Amazilia violiceps	Violet-crowned hummingbird	Screened Out
Amblycheila baroni	Montane Giant Tiger Beetle	Screened Out
Amblycheila picolominii	Plateau Giant Tiger Beetle	Screened Out
Amblycheila schwarzi	Mojave Giant Tiger Beetle	Screened Out
Amblyscirtes elissa	Elissa Roadside-skipper	Screened Out
Amblyscirtes texanae	Texas Roadside-skipper	Screened Out
Amblyscirtes tolteca	Toltec Roadside-skipper	Screened Out
Ambrysus arizonus	creeping water bug	Screened Out
Ambrysus thermarum	creeping water bug	Screened Out
Amelanchier utahensis var. covillei		Screened Out
Ameletus falsus	False Ameletus Mayfly	Screened Out
Ammodramus bairdii	Baird's Sparrow	Screened Out
Ammodramus savannarum	Grasshopper Sparrow	Screened Out
Ammodramus savannarum ammolegus	Arizona grasshopper sparrow	Screened Out
Ammodramus savannarum perpallidus	Western Grasshopper Sparrow	Screened Out
Ammoselinum gigantium	Western Sand-parsley	Screened Out
Ammospermophilus leucurus tersus	Prospect Valley White-tailed Antelope	Screened Out
	Squirrel	
Amoreuxia gonzalezii	Santa Rita Yellowshow	Screened Out
Amphinemura apache	A Stonefly	Screened Out
Amphinemura mogollonica	Mogollon forestfly (a stonefly)	Screened Out
Amphinemura venusta	A Stonefly	Screened Out
Amphispiza belli	Sage sparrow	Retained
Amsonia grandiflora	Arizona Slimpod	Screened Out
Amsonia kearneyana	Kearney's Slimpod	Screened Out
Amsonia peeblesii	Peebles' Blue-star	Screened Out
Anacroneuria wipukupa	A Stonefly	Screened Out
Anas acuta	Northern pintail	Screened Out
Anas americana	American wigeon	Screened Out
Anas clyptea	Northern shoveler	Screened Out
Anas crecca	Green-winged teal	Screened Out
Anas cyanoptera	Cinnamon teal	Screened Out
Anas discors	Blue-wing teal	Screened Out
Anas penelope	Eurasian wigeon	Screened Out
Anemone multifida var. stylosa		Screened Out
Angelica pinnata	Small-leaved Angelica	Screened Out
Anoda abutiloides	False Indian-mallow	Screened Out
Anoda thurberi	Arizona Anoda	Screened Out
Anoda indiben Anodonta californiensis	California Floater	Screened Out
		Joreeneu Out

Scientific Name	Common Name	In Or Out
Anser albifrons	Greater white-fronted Goose	Screened Out
Anthus rubescens	American pipit	Screened Out
Anthus spragueii	Sprague's pipit	Screened Out
Antilocapra americana	Pronghorn	Retained
Antilocapra americana sonoriensis	Sonoran Pronghorn	Screened Out
Anulocaulis leiosolenus var. leiosolenus	Southwestern ringstem	Screened Out
Apacheria chiricahuensis	Cliff Brittlebush	Screened Out
, Apalone spinifera	Spiny softshell	Screened Out
Apatania arizona	A Caddisfly	Screened Out
, Aquila chrysaetos	Golden eagle	Screened Out
Aquilegia caerulea var. pinetorum	Columbine	Retained
Arabis tricornuta	Rincon Mountain Rockcress	Screened Out
Aralia humilis	Arizona Spikenard	Screened Out
Arceuthobium apachecum	Apache Dwarf-mistletoe	Screened Out
Arceuthobium blumeri	Southwestern White Pine Dwarf- mistletoe	Screened Out
Arceuthobium microcarpum	Western Spruce Dwarf-mistletoe	Screened Out
Archeolarca cavicola	Grand Canyon Cave Scorpion	Screened Out
Archeolarca welbourni	A Cave Obligate Pseudoscorpion	Screened Out
Archilochus alexandri	Black-chinned hummingbird	Screened Out
Archoplites interruptus	Sacramento Perch	Screened Out
Arctomecon californica	Las Vegas Bearpoppy	Screened Out
Ardea alba	Great egret	Screened Out
Aregemone corymbosa ssp. arenicola	Mojave Prickly-poppy	Screened Out
Arenaria aberrans	Mt. Dellenbaugh Sandwort	Retained
Arenaria fendleri var. porteri	Porter's sandwort	Screened Out
Argemone arizonica	Arizona Prickle-poppy	Screened Out
Argemone corymbosa	Leafy Prickly-poppy	Screened Out
Argemone corymbosa ssp. corymbosa	Mojave prickly-poppy	Screened Out
Argemone pleiacanta ssp. ambigua		Screened Out
Argia pima	Pima Dancer	Screened Out
Argia sabino	Sabino Dancer	Screened Out
Argia tarascana	Tarascan dancer	Screened Out
Argyrochosma limitanea ssp. limitanea	Southwestern Cloak-fern	Screened Out
Argythamnia brandegeei	Sonoran Silver-bush	Screened Out
Argythamnia brandegeei var. intonsa		Screened Out
Artemisia ludoviciana ssp. redolens		Screened Out
Asclepias cutleri	Cutler Milkweed	Screened Out
Asclepias hallii	Hall's Milkweed	Retained
Asclepias quinquedentata	Slimpod milkweed	Retained
Asclepias uncialis	Greene Milkweed	Screened Out
Asclepias uncialis ssp. ruthiae	Ruth Milkweed	Screened Out
Asclepias uncialis ssp. uncialis		Screened Out
Asclepias viridiflora	Green comet milkweed	Screened Out
Asclepias welshii	Welsh's Milkweed	Screened Out
Ashmunella angulata	Angulate Woodlandsnail	Screened Out
Ashmunella chiricahuana	Cave Creek Woodlandsnail	Screened Out
Ashmunella esuritor	Barfoot Woodlandsnail	Screened Out
Ashmunella ferrissi	Reed's Mountain Woodlandsnail	Screened Out
Ashmunella lenticula	Horseshoe Canyon Woodlandsnail	Screened Out
Ashmunella lepiderma	Whitetail Woodlandsnail	Screened Out
Ashmunella levettei	Huachuca Woodlandsnail	Screened Out
Ashmunella mogollonensis	Mogollon Woodlandsnail	Screened Out

Scientific Name	Common Name	In Or Out
Ashmunella pilsbryana	Blue Mountain Woodlandsnail	Screened Out
Ashmunella proxima	Chircahua Woodlandsnail	Screened Out
Ashmunella varicifera	Miller Canyon Woodlandsnail	Screened Out
Asio flammeus	Short-eared owl	Screened Out
Asio otus	Long-eared owl	Screened Out
Aspidoscelis arizonae	Arizona Striped Whiptail	Screened Out
Aspidoscelis burti xanthonota	Red-backed Whiptail	Screened Out
Asplenium adiantum-nigrum	Black spleenwort	Screened Out
Asplenium platyneuron	Ebony spleenwort	Screened Out
Astomum phascoides		Screened Out
Astragalus albulus	A Milk-vetch	Screened Out
Astragalus allochrous var. playanus	Wooton's Milk-vetch	Screened Out
Astragalus amphioxys var. modestus	Alladin's slippers	Retained
Astragalus amphioxys var. musimonum	Sheep Mountain Milkvetch	Screened Out
Astragalus ampularius	Gumbo Milkvetch	Retained
Astragalus aragophyllus var. stocksii	Dana Milkvetch	Screened Out
Astragalus argophyllus var. panguicensis		Screened Out
Astragalus beathii	Beath Milkvetch	Screened Out
Astragalus brandegeei	Brandegee Milkvetch	Screened Out
Astragalus calycosus var. scaposus	King's Milkvetch	Screened Out
Astragalus casteneiformis	Chestnut Milkvetch	Screened Out
Astragalus custerienormis	Chuska Mountain Milkvetch	Screened Out
Astragalus cobrensis	Copper mine milkvetch	Screened Out
Astragalus cobrensis var. maguirei	A Milkvetch	Screened Out
Astragalus cobrensis var. magurer	Colton Milkvetch	Screened Out
	Cliff Milkvetch	Screened Out
Astragalus cremnophylax		Screened Out
Astragalus cremnophylax var. cremnophylax	Sentry Milkvetch Hevron's Milkvetch	
Astragalus cremnophylax var. hevronii	Cliff Milkvetch	Retained
Astragalus cremnophylax var. myriorraphis		Retained
Astragalus desperatus var. conspectus	Barneby Milkvetch	Screened Out
Astragalus endopterus	A Milkvetch	Screened Out
Astragalus ensiformis	Pagumpa Milkvetch	Screened Out
Astragalus ensiformis var. ensiformis	Diehen Millsretek	Screened Out
Astragalus episcopus	Bishop Milkvetch	Screened Out
Astragalus episcopus var. episcopus	Lange Athense	Screened Out
Astragalus episcopus var. lancearius	Lancer Milkvetch	Retained
Astragalus eurylobus	Peck Station Milkvetch	Screened Out
Astragalus flexuosus var. diehlii		Screened Out
Astragalus geyeri var. triquetrus	Sand Milkvetch	Screened Out
Astragalus holmgreniorum	Holmgren Milkvetch	Screened Out
Astragalus humistratus var. crispulus	Groundcover milkvetch	Screened Out
Astragalus humistratus var. tenerrimus	Groundcover milkvetch	Retained
Astragalus hypoxylus	Huachuca Milkvetch	Screened Out
Astragalus insularis var. harwoodii	Harwood Milkvetch	Screened Out
Astragalus lentiginosus var. ambiguus	A Milkvetch	Screened Out
Astragalus lentiginosus var. oropedii	Freckled milkvetch	Retained
Astragalus lentiginosus var. vitreus	Freckled milkvetch	Retained
Astragalus lentiginosus var.maricopae	A Milkvetch	Screened Out
Astragalus lentiginosus vari. stramineus		Screened Out
Astragalus moencoppensis	A Milkvetch	Screened Out
Astragalus mokiacensis	Mokia Milkvetch	Screened Out
Astragalus mollissimus var. mogollonicus		Screened Out

Scientific Name	Common Name	In Or Out
Astragalus newberryi var. aquarii		Screened Out
Astragalus newberryi var. blyae		Screened Out
Astragalus nutriosensis	Nutrioso Milkvetch	Screened Out
Astragalus nuttallianus var. imperfectus		Screened Out
Astragalus pinonis	Pinyon Milkvetch	Screened Out
Astragalus pinonis var. atwoodii	A Milkvetch	Retained
Astragalus pinonis var. pinonis		Screened Out
Astragalus praelongus var. lonchopus		Screened Out
Astragalus praelongus var. praelongus		Screened Out
Astragalus preussii var. laxiflorus	Lancaster Milkvetch	Screened Out
Astragalus recurvus	A Milkvetch	Screened Out
Astragalus rusbyi	Rusby's Milkvetch	Retained
Astragalus scopulorum	A Milkvetch	Screened Out
Astragalus sesquiflorus	Sandstone Milkvetch	Screened Out
Astragalus sophoroides	A Milkvetch	Screened Out
Astragalus straturensis	Silver Reef Milkvetch	Screened Out
Astragalus striatiflorus	Escarpment Milkvetch	Screened Out
Astragalus subcinereus	Silver Milkvetch	Retained
Astragalus tephrodes var. brachylobus	Ashen milkvetch	Screened Out
Astragalus tephrodes var. chloridae		Screened Out
Astragalus tephrodes var. tephrodes		Screened Out
Astragalus titanophilus	Limestone Milkvetch	Retained
Astragalus troglodytus	Creeping Milkvetch	Retained
Astragalus xiphoides	Gladiator Milkvetch	Screened Out
Astrgalus toanus var. scidulus		Screened Out
Astrolepis windhamii	Windham's Scaly Cloak Fern	Screened Out
Astylis biedermani	A Notodontid Moth	Screened Out
Astylis sp. 1	A Notodontid Moth	Screened Out
Asurina nitida maxima	Northern gray hawk	Screened Out
Athene cunicularia hypugaea	Western burrowing owl	Screened Out
Athya americana	Redhead	Screened Out
Athya collaris	Ring-necked duck	Screened Out
Atopsyche sperryi	A Caddisfly	Screened Out
Atopsyche tripunctata	A Caddisfly	Screened Out
Atriplex asterocarpa		Screened Out
Atriplex cuneata	Valley Saltbush	Screened Out
Atriplex cuneata ssp. cuneata		Screened Out
Atriplex garrettii	Garrett Saltbush	Screened Out
Atriplex griffithsii	Griffith's Saltbush	Screened Out
Atriplex pacifica	Davidson's Saltbush	Screened Out
Atrytonopsis cestus	Cestus Skipper	Screened Out
Atrytonopsis deva	Deva Skipper	Screened Out
Atrytonopsis edwardsi	Sheep Skipper	Screened Out
Atrytonopsis lunus	Moon-marked Skipper	Screened Out
Atrytonopsis pittacus	White-barred Skipper	Screened Out
Atrytonopsis python	Python Skipper	Screened Out
Autochton pseudocellus	Sonoran Banded-skipper	Screened Out
Automeris patagoniensis	Patagonia Eyed Silkmoth	Screened Out
Aythya affinis	Lesser scaup	Screened Out
Aythya marila	Greater scaup	Screened Out
Aythya valisineria	Canvasback	Screened Out
Aztecacris gloriosus	Atascosa Gem Grasshopper	Screened Out

Bæciophus vidjwæyi     Juniper titmouse     Retined       Bæciophus wollveberi     Bridled titmouse     Screened Out       Bæciodes arizonensis     A mayfly     Screened Out       Bæciodes arizonensis     A mayfly     Screened Out       Bæciodes arizonensis     A Mayfly     Screened Out       Barbys taylori     Northern pygmy mouse     Screened Out       Barbars satuus     Ringtail     Screened Out       Bæsarsicus astutus     Ringtail     Screened Out       Bæsarsicus astutus     Ringtail     Screened Out       Børberis harrisoniana     Kofka Barberry     Screened Out       Bortaurus fentginosus     American bittern     Screened Out       Botrauxis megaptera     Tucson Mountain Spiderling     Screened Out       Botrychium cendu     Crenutate Moonwort     Screened Out       Botrychium necho     Reflected Moonwort     Screened Out       Botrychium necolatum     Trangte grape-fern     Screened Out       Botrychium nutifidum     Leathery grape-fern     Screened Out       Botrychium mutifidum     Leathery grape-fern     Screened Out       Botrychium mutifidum	Scientific Name	Common Name	In Or Out
Baetodes arizonensis     Bridied titmouse     Screened Out       Baetodes arizonensis     A mayfly     Screened Out       Baetodes arizonensis     A Mayfly     Screened Out       Barbula ehrenbergii     Northern pygmy mouse     Screened Out       Barbula ehrenbergii     Screened Out     Bastula     Screened Out       Barbula ehrenbergii     American sloughgrass     Screened Out       Beckmanna syzigachne     American sloughgrass     Screened Out       Borberis harrisoniana     Kolka Barberry     Screened Out       Borthavia megaptera     Tucson Mountain Spiderling     Screened Out       Botrychium acrenulatum     Crenulate Moonwort     Screened Out       Botrychium cenulatum     Crenulate Moonwort     Screened Out       Botrychium incenulatum     Crenulate Moonwort     Screened Out       Botrychium inganense     Mingaris moonwort     Screened Out       Botrychium minganense     Mingaris moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leath		Juniper titmouse	Retained
Baetodes adzonensis     A mayfly     Screened Out       Baetodes edmundsi     A Mayfly     Screened Out       Barbude shronbergii     Northern pygmy mouse     Screened Out       Barbude shronbergii     Northern pygmy mouse     Screened Out       Bassariscus astutus     Ringtail     Screened Out       Beckmannia syzigachne     American sloughgrass     Screened Out       Berberis harrisoniana     Kofka Barberry     Screened Out       Bornavia megaptera     Tucson Mountain Spiderling     Screened Out       Botrauris lerniginosus     American bittern     Screened Out       Botrychium cenhulatum     Crenulate Moonwort     Screened Out       Botrychium acho     Reflected Moonwort     Screened Out       Botrychium lanceolatum     Trangle grape-fern     Screened Out       Botrychium inaneolatum     Trangle grape-fern     Screened Out       Botrychium minganense     Mingaris moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium minganense     Mingaris moonwort     Screened Out       Botrychium winginianum     Ratite Gramma     Screened		Bridled titmouse	Screened Out
Baetodes edmundsi     A Mayfty     Screened Out       Balomys taylori     Northern pygmy mouse     Screened Out       Barbule ehrenbergii     Internant Screened Out     Screened Out       Bassariscus astutus     Ringtail     Screened Out       Beckmannia syzigachne     American sloughgrass     Screened Out       Berbule ehrenbergii     Screened Out     Bison     Screened Out       Bortnavia megaptera     Tucson Mountain Spiderling     Screened Out       Botravia megaptera     Tucson Mountain Spiderling     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Screened Out       Botrychium crenulatum     Reflected Moonwort     Screened Out       Botrychium hasperium     Western Moonwort     Screened Out       Botrychium lunaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium minginanum     Northern moonwort     Screened Out       Botrychium witrginanum     Rattiesnake fern     Screened Out       Botrychium witrginanum     Rattiesnake fern     Screened Out       Branta canadensis     Canada goose		A mayfly	Screened Out
Balomys taylori     Northern pygmy mouse     Screened Out       Barbula ehrenbergii     Ringtail     Screened Out       Bassariscus astutus     Ringtail     Screened Out       Beckmannia syzigachne     American sloughgrass     Screened Out       Becheris harrisoniana     Kofka Barberry     Screened Out       Bornhavia megaptera     Tucson Mountain Spiderling     Screened Out       Botturus lentiginosus     American bittern     Screened Out       Botturus lentiginosus     American bittern     Screened Out       Bottychium sengentur     Western Moonwort     Screened Out       Botrychium lancolatum     Trangle grape-fern     Screened Out       Botrychium lanceolatum     Trangle grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium minganense     Santa Rita Gramma     Screened Out       Botrychium minganense     Santa Rita Gramma     Screened Out       Botrychium minganense     Santa Rita Gramma     Screened Out       Botrychium minganense     Santa Rita Gramma <t< td=""><td>Baetodes edmundsi</td><td></td><td></td></t<>	Baetodes edmundsi		
Barbola ehrenbergii     Screened Out       Bassaniscus astutus     Ringtail     Screened Out       Beckmannia syzigachne     American sloughgrass     Screened Out       Berboris harrisoniana     Kofka Barberry     Screened Out       Bison bison     Bison     Screened Out       Borthison     Bison     Screened Out       Botaurus lentiginosus     American bittern     Screened Out       Bothriochiae wrighti     Wright's Beardgrass     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Refaced Moonwort     Refaced Out       Botrychium echo     Refficeted Moonwort     Screened Out     Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium lunaria     Common moonwort     Screened Out     Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out     Botrychium multifigunsum     Rattesnake fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out     Botrychium wrighianum     Rattesnake fern     Screened Out       Botrychium multifidum     Rattesnake fern     <	Balomys taylori		Screened Out
Bassariscus astulus     Ringtail     Screened Out       Beckmannia syzigachne     American sloughgrass     Screened Out       Berberis harrisoniana     Kofka Barberry     Screened Out       Bison     Screened Out     Bison     Screened Out       Boerhavia megaptera     Tucson Mountain Spiderling     Screened Out       Botarus lentiginosus     American bittern     Screened Out       Bothrochioa wrightii     Wright's Beardgrass     Screened Out       Botrychium echo     Reflected Moonwort     Screened Out       Botrychium nesperium     Western Moonwort     Screened Out       Botrychium lunaria     Cormon moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium pinnatum     Ratilesnake fern     Screened Out       Botrychium virginianum     Ratilesnake fern     Screened Out       Bouteloua arryi     Parry's Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out			Screened Out
Beckmannia syzigachne     American sloughgrass     Screened Out       Berberis harrisoniana     Kofka Barberry     Screened Out       Bison hison     Bison     Screened Out       Borthavia megaptera     Tucson Mountain Spiderling     Screened Out       Botarrus lentiginosus     American bittern     Screened Out       Bothricchloa wrightii     Wright's Beardgrass     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Retained       Botrychium necho     Reflected Moonwort     Retained       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium nuaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium mingianum     Northern moonwort     Screened Out       Botrychium nirginanum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out		Ringtail	
Berberis harrisoniana     Kofka Barberry     Screened Out       Bison Dison     Bison Dison     Screened Out       Boerhavia megaptera     Tucson Mountain Spiderling     Screened Out       Botrus lentiginosus     American bittern     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Screened Out       Botrychium hesperium     Western Moonwort     Retained       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium pinnatum     Northern moonwort     Screened Out       Botrychium pinnatum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua paryi     Parry's Gramma     Screened Out       Bouteloua paryi     Parry's Gramma     Screened Out       Branta turbicrisii     Cackling goose     Screened Out       Branta nuthcinsii     Cackling goose     Screened Out       Brickellia amplexicaulis var. Ianceolata     Screened Out     Brickellia forbunda <td>Beckmannia syzigachne</td> <td></td> <td></td>	Beckmannia syzigachne		
Bison     Screened Out       Boerhavia megaptera     Tucson Mountain Spiderling     Screened Out       Botarurs lentiginosus     American bittern     Screened Out       Bothricchloa wrightii     Wright's Beardgrass     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Screened Out       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Rattensake fern     Screened Out       Bouteloua aludens     Santa Rita Gramma     Screened Out       Bouteloua adus aludens     Santa Rita Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelloush     Screened			
Boerhavia megaptera     Tucson Mountain Spiderling     Screened Out       Botaruus lentiginosus     American bittern     Screened Out       Bothricchlow wightii     Wright's Beardgrass     Screened Out       Bothricchlow wightii     Wright's Beardgrass     Screened Out       Botrychium echo     Reflected Moonwort     Screened Out       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium inanceolatum     Triangle grape-fern     Screened Out       Botrychium numinganense     Mingan's moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium viginianum     Rattiesnake fern     Screened Out       Botrychium viginianum     Rattiesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out	Bison bison		
Botaurus lentiginosus     American bittern     Screened Out       Bothricchloa wrightii     Wright's Beardgrass     Screened Out       Bottychium crenulatum     Crenulate Moonwort     Screened Out       Bottychium echo     Reflected Moonwort     Retained       Bottychium hasperium     Western Moonwort     Screened Out       Bottychium lunaria     Common moonwort     Screened Out       Bottychium ninganense     Mingan's moonwort     Screened Out       Bottychium minganense     Mingan's moonwort     Screened Out       Bottychium minganense     Mingan's moonwort     Screened Out       Bottychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickellush     Screened Out       Brickellia amplexicaulis var. amplexicaulis	Boerhavia megaptera		
Bothriochloa     Wright's     Beardgrass     Screened Out       Botrychium crenulatum     Crenulate Moonwort     Screened Out       Botrychium echo     Reflected Moonwort     Retained       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium lunaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium mingianense     Mingan's moonwort     Screened Out       Botrychium mingianum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Grama     Screened Out       Bouteloua parryi     Rothrock Gramma     Screened Out       Branta huthchinsii     Caackling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-lead Brickell-bush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out     Brickellia amplexicaulis var. amplexicaulis <t< td=""><td></td><td>· · ·</td><td></td></t<>		· · ·	
Botrychium crenulatum     Crenulate Moonwort     Screened Out       Botrychium hesperium     Western Moonwort     Retained       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium lunaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium pinnatum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta huthcinsii     Cackling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out     Brickellia parvula     Screened Out       Brickellia amplexicaulis var. lemmonii     Lemmon's Beggar-ticks     Screened Out		Wright's Beardgrass	
Botrychium echo     Reflected Moonwort     Retained       Botrychium hesperium     Western Moonwort     Screened Out       Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium wirginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out     Screened Out       Brickellia amplexicaulis var. anglexicaulis     Screened Out     Screened Out       Brickellia amplexicaulis var. anglexicaulis     Screened Out     Screened Out       Brickellia amplexicaulis var. anglexicaulis     Screened Out     Screened Out  <	V		
Botrychium lesperium     Western Moonwort     Screened Out       Botrychium lunaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium virginiarum     Northern moonwort     Screened Out       Botrychium virginiarum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis     Screened Out     Brickellia amplexicaulis     Screened Out       Brickellia amplexicaulis var. lanceolata     Brickellia amplexicaulis var. lanceolata     Screened Out       Brickellia baccharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia amplexicaulis var. lanceolata     Screened Out     Brickellia usbyi       Brickellia amplexicaulis var. lanceolata     Screened Out     B			
Botrychium lanceolatum     Triangle grape-fern     Screened Out       Botrychium lunaria     Common moonwort     Screened Out       Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium pinnatum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua patryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Brante canadensis     Cacakling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. lanceolata     Resin-leaved Brickell-bush     Screened Out       Brickellia lemmonii var. lemmonii     Lemmon's Beggar-ticks     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out			
Botrychium lunaria     Common moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium ininatum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Branta huthcinsii     Cackling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia baccharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia barcharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia barcharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brick			
Botrychium minganense     Mingan's moonwort     Screened Out       Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium virginianum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua orthrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Brickellia amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. lanceolata     Resin-leaved Brickell-bush     Screened Out       Brickellia baccharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brickellia simplex     Sonoran Brickel-bush     Screened Out       Brickelli	· · ·		
Botrychium multifidum     Leathery grape-fern     Screened Out       Botrychium pinnatum     Northern moonwort     Screened Out       Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta huthcinsii     Canada goose     Screened Out       Branta huthcinsii     Cackling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia baccharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia baccharidea     Resin-leaved Brickell-bush     Screened Out       Brickellia lemonii var. Iemmonii     Lemmon's Beggar-ticks     Screened Out       Brickellia learvula     Mt. Davis Brickell-bush     Screened Out       Brickellia rusbyi     Stinking Brickell-bush     Screened Out       Brickellia rusbyi     Stinking Brickell-bush     Screened Out       Brokellia rusbyi     Stinking Brickell-bush     Screened Out       Bromus arizonicus <td></td> <td></td> <td></td>			
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Botrychium virginianum     Rattlesnake fern     Screened Out       Bouteloua eludens     Santa Rita Gramma     Screened Out       Bouteloua parryi     Parry's Gramma     Screened Out       Bouteloua rothrockii     Rothrock Gramma     Screened Out       Branta canadensis     Canada goose     Screened Out       Branta huthcinsii     Cackling goose     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Ear-leaf Brickelbush     Screened Out       Brickellia amplexicaulis var. amplexicaulis     Screened Out     Screened Out       Brickellia amplexicaulis var. anneolata     Resin-leaved Brickell-bush     Screened Out       Brickellia floribunda     Chihuahuan Desert Brickellbush     Screened Out       Brickellia parvula     Mt. Davis Brickell-bush     Screened Out       Brickellia rusbyi     Stinking Brickell-bush     Screened Out       Brickellia rusbyi     Stinking Brickell-bush     Screened Out       Browallia siguamulosa     Mule Mountain Brickell-bush     Screened Out       Browallia siguamulosa     Mule Mountain Brickell-bush     Screened Out       Browallia eludens     Bush-violet     Screened Out			
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Calathorax lucifer Lucifer hummingbird Screened Out			
	Calcarius Iapponicus	Lapland longspur	Screened Out

Scientific Name	Common Name	In Or Out
Calcarius mccownii	McCown's longspur	Screened Out
Calcarius ornatus	Chestnut collared longspur	Screened Out
Calephelis arizonensis	Arizona Metalmark	Screened Out
Calephelis wrighti	Wright's Metalmark	Screened Out
Calidris alba	Sanderling	Screened Out
Calidris mauri	Western sandpiper	Screened Out
Calidris pusilla	Semipalmated plover	Screened Out
Calliandra schottii	Schott Stick-pea	Screened Out
Callipepla gambelli	Gambel's quail	Screened Out
Callipepla squamata	Scaled quail	Screened Out
Callophrys sheridanii comstocki	Desert Green Hairstreak	Retained
Callophrys xami	Xami hairstreak	Screened Out
Callophyrs fotis	Early Elfin	Screened Out
Calmospiza melanocorys	Lark bunting	Screened Out
Calypte costae	Costa's hummingbird	Screened Out
Calystegia macounii	Macoun's false bindweed	Screened Out
Camissonia brevipes ssp. arizonica		Screened Out
Camissonia cardiophylla	Heart-leaf Suncup	Screened Out
Camissonia cardiophylla ssp. cardiophylla		Screened Out
Camissonia claviformis ssp. rubescens		Screened Out
Camissonia confertilflora	Bunch Flower Evening Primrose	Screened Out
Camissonia confusa		Screened Out
Camissonia exilis	Cottonwood Spring Suncup	Screened Out
Camissonia gouldii	Diamond Valley Suncup	Retained
Camissonia multijuga	Frost-stem Suncup	Screened Out
Camissonia pallida	Pale Yellow Suncup	Screened Out
Camissonia pallida ssp. pallida	•	Screened Out
Camissonia palmeri	Palmer's Suncup	Screened Out
Camissonia parryi	Parry's Evening-primrose	Screened Out
Camissonia scapoidea ssp. macrocarpa		Screened Out
Camissonia specuicola	Kaibab Suncup	Screened Out
Camissonia specuicola ssp. hesperia	Ditch Evening Primrose	Screened Out
Camissonia specuicola ssp. specuicola		Screened Out
Campostoma ornatum	Mexican Stoneroller	Screened Out
Camptostoma imberbe	Northern beardless-tyrannulet	Screened Out
Canis lupus	Gray Wolf	Screened Out
Canis lupus baileyi	Mexican Gray Wolf	Screened Out
Caprimulgus ridgwayi	Buff-collared nightjar	Screened Out
Caprimulgus vociferus	Whip-poor-will	Screened Out
Caracara cheriway	Crested caracara	Screened Out
Cardellina rubrifrons	Red-faced warbler	Retained
Carduelis lawrencei	Lawrence's goldfinch	Screened Out
Carduelis tristis	American goldfinch	Screened Out
Carex chihuahuensis	A Sedge	Screened Out
Carex curatorum	Kaibab Sedge	Screened Out
Carex elynoides	Blackroot sedge	Screened Out
Carex heteroneura	Different-nerve sedge	Screened Out
Carex leucodonta	A Sedge	Screened Out
Carex oreocharis	A Sedge	Retained
Carex specuicola	Navajo Sedge	Screened Out
Carex ultra	Cochise Sedge	Screened Out
Carex wootonii	A Sedge	Screened Out

Scientific Name	Common Name	In Or Out
Carpodacus purpureus	Purple finch	Screened Out
Castela emoryi	Crucifixion Thorn	Screened Out
Castilleja integra var. gloriosa	Wholeleaf Indian-paintbrush	Screened Out
Castilleja kaibabensis	Kaibab Indian-paintbrush	Retained
Castilleja nervata	Trans-Pecos Indian Paintbrush	Screened Out
Castor canadensis	Beaver	Screened Out
Catharus fuscescens	Veery	Screened Out
Catharus ustulatus	Swainson's thrush	Screened Out
Catocala frederici	An Underwing Moth	Screened Out
Catostomus clarki	Desert sucker	Screened Out
Catostomus discobolus	Bluehead sucker	Screened Out
Catostomus discobolus jarrovii	Zuni Bluehead Sucker	Screened Out
Catostomus insignis	Sonora Sucker	Screened Out
Catostomus latipinnis	Flannelmouth sucker	Screened Out
Catostomus plebeius	Rio Grande Sucker	Screened Out
Catostomus sp. 3	Little Colorado Sucker	Screened Out
Centaurea americana	American star-thistle	Screened Out
Centrocercus minimus	Gunnison sage-grouse	Screened Out
Centrocercus urophasianus	Greater sage-grouse	Screened Out
Ceratopsyche venada	A Caddisfly	Screened Out
Cercyonis meadii alamosa	Alamosa Satyr	Screened Out
Cervus elaphus	Elk	Screened Out
Ceryle alcyon	Belted kingfisher	Screened Out
Chaetodipus hispidus	Hispid pocket mouse	Screened Out
Chaetodipus intermedius	Rock pocket mouse	Screened Out
Chamaesyce platysperma	Flatseed Spurge	Screened Out
Charadrius alexandrinus	Snowy plover	Screened Out
Charadrius alexandrinus nivosus	Western Snowy Plover	Screened Out
Charadrius montanus	Mountain plover	Screened Out
Charina trivirgata	Rosy boa	Screened Out
Charina trivirgata gracia	Desert Rosy Boa	Screened Out
Charina trivirgata trivirgata	Mexican Rosy Boa	Screened Out
Cheilanthes arizonica	Arizona lipfern	Screened Out
Cheilanthes yavapensis	Yavapai Lip Fern	Screened Out
Chen caerulescens	Snow goose	Screened Out
Chen rossii	Ross' goose	Screened Out
Chenopodium incanum var. occidentale		Screened Out
Cheumatopsyche gelita	A caddisfly	Screened Out
Chimarra adella	A Caddisfly	Screened Out
Chimarra primula	A Caddisfly	Screened Out
Chimarra ridleyi	A Caddisfly	Screened Out
Chimarra schiza	A caddisfly	Screened Out
Chionactis occipitalis klauberi	Tucson Shovelnose Snake	Screened Out
Chionactis palarostris	Sonoran Shovel-nosed Snake	Screened Out
Chionactis palarostris organica	Organ Pipe Shovel-nosed Snake	Screened Out
Chitrellina chiricahuae	A Cave Obligate Pseudoscorpion	Screened Out
Chloris virgata	Feather fingergrass	Screened Out
Chloroceryle americana	Green kingfisher	Screened Out
Chlorostrymon simaethis	Silver-banded hairstreak	Screened Out
Chlosyne acastus neumoegeni	Neumogen's Checkerspot	Screened Out
Chlosyne definita	Definite Patch	Screened Out
Choeronycteris mexicana	Mexican long-tongued bat	Screened Out
	menican long-longued bal	Ocidented Out

Scientific Name	Common Name	In Or Out
Choisya dumosa var. mollis	Soft Mexican-orange	Screened Out
Chrysemys picta	Northern painted turtle	Screened Out
Chrysemys picta bellii	Western painted turtle	Screened Out
Chrysothamnus molestus	Disturbed (Tusayan) rabbitbrush	Retained
Chrysothamnus viscidiflorus ssp. planifolius	, <b>,</b> ,	Screened Out
Cicindela fulgoris erronea	Glittering Tiger Beetle	Screened Out
Cicindela hirticollis coloradula	Hairy-necked Tiger Beetle	Screened Out
Cicindela hirticollis corpuscula	Hairy-necked Tiger Beetle	Screened Out
Cicindela hornii	Horn's Tiger Beetle	Screened Out
Cicindela lepida	Ghost Tiger Beetle	Screened Out
Cicindela nevadica citata	Nevada Tiger Beetle	Screened Out
Cicindela nevadica olmosa	Los Olmos Tiger Beetle	Screened Out
Cicindela nevadica tubensis	Nevada Tiger Beetle	Screened Out
Cicindela oregona maricopa	Maricopa Tiger Beetle	Screened Out
Cicindela praetextata	Riparian Tiger Beetle	Screened Out
Cicindela praetextata pallidofemora	Riparian Tiger Beetle	Screened Out
Cicindela praetextata praetextata	Riparian Tiger Beetle	Screened Out
Cicindela purpurea cimarrona	Cow Path Tiger Beetle	Screened Out
Cicindela terricola kaibabensis	Kaibab Variable Tiger Beetle	Retained
Cicindela trifasciata sigmoidea	S-banded Tiger Beetle	Screened Out
Cicuta maculata var. bolanderi	Bolander Water-hemlock	Screened Out
Cinclus mexicanus	American dipper	Screened Out
Circus cyaneus	Northern harrier	Screened Out
Cirsium mohavense	Mohave Thistle	Screened Out
Cirsium parryi	Parry's thistle	Screened Out
Cirsium parryi ssp. mogollonicum	Mogollon Thistle	Screened Out
Cirsium rothrockii	Rose-color Thistle	Retained
Cirsium rusbyi	Rusby's Thistle	Screened Out
Cirsium rydbergii	Rydberg's Thistle	Screened Out
Cirsium virginense	Virgin Thistle	Screened Out
Cirsium wheeleri	Wheeler Thistle	Screened Out
Cirsium wrightii	Wright's Marsh Thistle	Screened Out
Cistanthe parryi		Screened Out
Cisthene coronado		Screened Out
Cistothorus palustris	Marsh wren	Screened Out
Clangula hyemalis	Long-tailed duck	Screened Out
Clematis hirsutissima	Arizona leatherflower, Clustered leatherflower	Screened Out
Clematis hirsutissima var. arizonica	Arizona Leatherflower	Screened Out
Clematis hirsutissima var. hirsutissima	Hairy clematis	Retained
Clematis palmeri	Palmer's Virgin's-bower	Screened Out
Clematodes vanduzeei	A Grasshopper	Screened Out
Cleodes excogitatus	A mayfly	Screened Out
Cleome lutea var. jonesii	Jones' Spider-flower	Retained
Cleome multicaulis	Many-stemmed Spider-flower	Screened Out
Cleomella longipes	Chiricahua Mountains Rhombo-pod	Screened Out
Cleomella obtusifolia	Bushy Rhombo-pod	Screened Out
Clistoronia maculata	A Caddisfly	Screened Out
Cloeodes excogitatus	A mayfly	Screened Out
Cloeodes macrolamellus	A Mayfly	Screened Out
Cloeodes peninsulus	A Mayfly	Screened Out
Coccothraustes vespertinus	Evening grosbeak	Retained
Coccyzus americanus occidentalis	Western yellow-billed cuckoo	Screened Out

Coelogiossum viride     Longbract frog orchid     Screened Out       Coenonympha tullia subfusca     White Mountains Ringlet     Screened Out       Colaptes chrysoides     Gilded flicker     Screened Out       Colainus virginianus indgewayi     Masked Bobwhite     Screened Out       Columus virginianus indgewayi     Masked Bobwhite     Screened Out       Columos virginianus indgewayi     Masked Bobwhite     Screened Out       Columba fasciata     Band-tailed pigeon     Screened Out       Columbina passerina     Common ground dove     Screened Out       Columbina taipacoti     Ruddy ground-dove     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Condulgaster ideoma     Apache spiketail     Screened Out       Cordylanthus laxiforus     Nodding Bird's-beak     Screened Out       Cordylanthus newinii     Nevi Bird's-beak     Screened Out       Cordylanthus newinii     Nevi Bird's-beak     Screened Out       Cordylanthus newinii     Nevi Bird's-	Scientific Name	Common Name	In Or Out
Coenorymphe tullia subfusca     White Mountains Ringlet     Screened Out       Colaptes chrysoides     Gilded flicker     Screened Out       Colinus virginiarus ridgewayi     Northern bobwhite     Screened Out       Coluber constrictor mormon     Western Racer     Screened Out       Colubra fasciata     Band-tailed pigeon     Screened Out       Columbia fasciata     Band-tailed pigeon     Screened Out       Columbina talpacoti     Ruddy ground-dove     Screened Out       Condalia globosa var. pubescens     Spiry Abrojo     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Cordulgaster diaderma     Apache spiketail     Screened Out       Cordydantus nevinii     Nodding Bird's-beak     Screened Out       Cordydantus surginius sp. kaibabensis     Wright's Bird's-beak     Screened Out       Cordydantus surginius     Nodding Bird's-beak     Screened Out       Cordydantus surginius     Nodding Bird's-beak     Screened Out       Cordydantus surginius	Coeloglossum viride	Longbract frog orchid	Screened Out
Coleptes chrysoldes     Gilded flicker     Screened Out       Colinus virginianus     Northem bobwhite     Screened Out       Colinus virginianus     Masked Bobwhite     Screened Out       Columba fasciata     Band-tailed pigon     Screened Out       Columba fasciata     Band-tailed pigon     Screened Out       Columbina talpacoti     Ruddy ground-dove     Screened Out       Conalcaea cantralli     A Grasshopper     Screened Out       Contopus partinax     Greater pawee     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Cordyanthus newinii     Biack vulture     Screened Out       Cordyanthus savitorus     Nording Bird's-beak     Screened Out       Cordyanthus savitorus     Nodding Bird's-beak     Screened Out       Cordyanthus savitorus     Nodding Bird's-beak     Screened Out       Cordyanthus savitorus     Nodding Bird's-beak     Screened Out       Cordyanthus nevinii     Nevin Bird's-beak     Screened Out       Cordyanthus nevinii     Nevin Bird's-beak     Screened Out       Cordyanthus nevinii     Weish's Bird's-beak     Screened Out <td>Coenonympha tullia furcae</td> <td>Grand Canyon Ringlet</td> <td>Screened Out</td>	Coenonympha tullia furcae	Grand Canyon Ringlet	Screened Out
Colinus virginianus     Northern bobwhite     Screened Out       Coliuber constrictor mormon     Western Racer     Screened Out       Columba fasciata     Band-tailed pigeon     Screened Out       Columbina passerina     Common ground dove     Screened Out       Columbina passerina     Common ground dove     Screened Out       Contalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contoselinum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Cordulogaster diadema     Apache spiketail     Screened Out       Cordulogaster diadema     Apache spiketail     Screened Out       Cordylanthus statiforus     Nodding Bird's-beak     Screened Out       Cordylanthus wrightii ssp. kaibabensis     Wright's Bird's-beak     Screened Out       Cordylanthus wrightii ssp. kaibabensis     Wright's Bird's-beak     Screened Out       Corropast ouglassi     Douglas' Tickseed     Screened Out       Corropast ouglassi     Douglas' Tickseed     Screened Out       Corroparum welshii     Welsh's Bugseed     Screened Out       Coropast ouglassi	Coenonympha tullia subfusca	White Mountains Ringlet	Screened Out
Collinus virginianus ridgewayi     Masked Bowhite     Screened Out       Coluber constrictor mormon     Western Racer     Screened Out       Columbi asciata     Band-tailed pigeon     Screened Out       Columbina passerina     Common ground dove     Screened Out       Columbina talpacoti     Rudky ground-dove     Screened Out       Contacaea cantralli     A Grasshopper     Screened Out       Concisselirum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus perinax     Greater pewee     Screened Out       Corduyes perinax     Greater pewee     Screened Out       Cordylanthus laxiforus     Nodding Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coreopsis douglasii     Douglas' Tickseed     Screened Out       Corryothinus lownsendii     Westift's Bird's-beak     Retained       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coreopsis douglasi     Douglas' Tickseed	Colaptes chrysoides	Gilded flicker	Screened Out
Coluber constrictor mormon     Western Racer     Screened Out       Columbina passerina     Common ground dove     Screened Out       Columbina passerina     Common ground dove     Screened Out       Conalcaea cantralli     A Grasshopper     Screened Out       Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Cordugaster diadema     Apache spiketail     Screened Out       Cordugaster diadema     Apache spiketail     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nveisbr Birds-beak     Screened Out       Coracysis douglasii     Douglas' Tickseed     Screened Out       Corroysis douglasii     Douglas' Tickseed     Screened Out       Coravus brachyrthynchos     American crow     Screened Out       Corynorthinus townsendii     Townsend's Big-Eared Bat <td< td=""><td>Colinus virginianus</td><td>Northern bobwhite</td><td>Screened Out</td></td<>	Colinus virginianus	Northern bobwhite	Screened Out
Coluber constrictor mormon     Western Racer     Screened Out       Columbina passerina     Common ground dove     Screened Out       Columbina passerina     Common ground dove     Screened Out       Conalcaea cantralli     A Grasshopper     Screened Out       Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Cordugaster diadema     Apache spiketail     Screened Out       Cordugaster diadema     Apache spiketail     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nvein Birds-beak     Screened Out       Cordylanthus nevinii     Nveisbr Birds-beak     Screened Out       Coracysis douglasii     Douglas' Tickseed     Screened Out       Corroysis douglasii     Douglas' Tickseed     Screened Out       Coravus brachyrthynchos     American crow     Screened Out       Corynorthinus townsendii     Townsend's Big-Eared Bat <td< td=""><td>Colinus virginianus ridgewayi</td><td>Masked Bobwhite</td><td>Screened Out</td></td<>	Colinus virginianus ridgewayi	Masked Bobwhite	Screened Out
Columbina passerina     Common ground dove     Screened Out       Conlaceae cantralli     A Grasshopper     Screened Out       Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus cooperi     Olive-sided flycatcher     Retained       Cordugaster diadema     Apache spiketail     Screened Out       Cordugaster diadema     Apache spiketail     Screened Out       Cordylanthus laxillorus     Nodding Bird's-beak     Screened Out       Cordylanthus laxillorus     Nodding Bird's-beak     Screened Out       Cordylanthus avrightii sp. kaibabensis     Wright's Bird's-beak     Screened Out       Coreopsi douglasii     Douglas' Tickseed     Screened Out       Corresports dugglasii     Douglas' Tickseed     Screened Out       Corresports dugglasii     Douglas' Tickseed     Screened Out       Corrus brachyrthyrchos     American crow     Screened Out       Corynorhinus townsendii     Townsend's big eared bat     Screened Out       Corynorhinus townsendii     Townsend's big eared bat     Screened Out       Coryphantha scheeri var. robust		Western Racer	Screened Out
Columbina talpacoti     Ruddy ground-dove     Screened Out       Conalcaea cantralii     A Grasshopper     Screened Out       Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contoselinum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contagy partatus     Black vulture     Screened Out       Cordulegaster diadema     Apache spiketail     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus nevinii     Screened Out     Cordylanthus wrighti spi. kalbabensis     Wright's Bird's-beak     Retained       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out     Coreocarpus     Screened Out       Corvus brachyrthynchos     American crow     Screened Out     Corvus brachyrthynchos     American crow     Screened Out       Coryonthinus townsendii     Townsend's big eared bat     Screened Out     Coryonthinus townsendii     Screened Out       Coryonthinus townsendii     Pale Townsend's big-Eared Bat     Retained       Coryophantha scheeri var. robustispina     Pina Pineapple Cactus     Sc	Columba fasciata	Band-tailed pigeon	Screened Out
Columbina talpacoti     Ruddy ground-dove     Screened Out       Conalcaea cantralii     A Grasshopper     Screened Out       Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contoselinum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contagy partatus     Black vulture     Screened Out       Cordulegaster diadema     Apache spiketail     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus nevinii     Screened Out     Cordylanthus wrighti spi. kalbabensis     Wright's Bird's-beak     Retained       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out     Coreocarpus     Screened Out       Corvus brachyrthynchos     American crow     Screened Out     Corvus brachyrthynchos     American crow     Screened Out       Coryonthinus townsendii     Townsend's big eared bat     Screened Out     Coryonthinus townsendii     Screened Out       Coryonthinus townsendii     Pale Townsend's big-Eared Bat     Retained       Coryophantha scheeri var. robustispina     Pina Pineapple Cactus     Sc	Columbina passerina		Screened Out
Conalcaea cantralli     A Grasshopper     Screened Out       Condialia globoza var. pubescens     Spiny Abrojo     Screened Out       Conicoselinum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus partinax     Greater pewee     Screened Out       Coradyps atratus     Black vulture     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Cordylanthus wrightii ssp. kalbabensis     Wright's Bird's-beak     Retained       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coroysis douglasii     Douglas' Tickseed     Screened Out       Corvus brachyrhynchos     American crow     Screened Out       Corynorhinus townsendii     Townsend's big-eared Bat     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out  <			Screened Out
Condalia globosa var. pubescens     Spiny Abrojo     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus pertinax     Greater pewee     Screened Out       Cordugaster diadema     Apache spiketail     Screened Out       Cordylanthus laxiflorus     Black vulture     Screened Out       Cordylaptus wrighti sp. kaibabensis     Wright's Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Corvus brachyrhynchos     American crow     Screened Out       Corvus corax     Common raven     Screened Out       Corynorhinus townsendii     Townsend's Big-Eared Bat     Retained       Coryphantha scheeri var. robustispina     Pima Pineapple Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out	Conalcaea cantralli	A Grasshopper	Screened Out
Conioselinum mexicanum     Mexican Hemlock-parsley     Screened Out       Contopus cooperi     Olive-sided flycatcher     Retained       Contopus pertinax     Greater pewee     Screened Out       Coragyps atratus     Black vulture     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus wrighti ssp. kaibabensis     Wright's Bird's-beak     Retained       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Coreospis douglasii     Douglas' Tickseed     Screened Out       Corrus corax     Common raven     Screened Out       Corynorhinus townsendii     Townsend's Big eared bat     Screened Out       Corynorhinus townsendii pallescens     Pale Townsend's Big-Eared Bat     Retained       Coryphantha recurvata     Recurved Corycactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out	Condalia globosa var. pubescens		Screened Out
Contopus cooperi     Olive-sided flycatcher     Retained       Concayps partinax     Greater pewee     Screened Out       Coragyps attatus     Black vulture     Screened Out       Cordulegaster diadema     Apache spiketail     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Coreopsis douglasii     Douglas' Tickseed     Screened Out       Coreopsis douglasii     Douglas' Tickseed     Screened Out       Corvus brachyrhynchos     American crow     Screened Out       Corvus corax     Common raven     Screened Out       Coryphantha recurvata     Recurved Corycactus     Screened Out       Coryphantha scheeri var. robustispina     Pine Pineapple Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Corsosoma bigelovii var. bigelovii     Screened Out     Carsus viridis       Crataus wiridis     <			Screened Out
Contopus pertinax     Greater pewee     Screened Out       Coralggaster diadema     Apache spiketail     Screened Out       Cordylanthus laxiflorus     Nodding Bird's-beak     Screened Out       Cordylanthus nevinii     Nevin Bird's-beak     Screened Out       Cordylanthus wrightii ssp. kaibabensis     Wrigh's Bird's-beak     Screened Out       Cordylanthus wrightii ssp. kaibabensis     Wrigh's Bird's-beak     Screened Out       Coreocarpus arizonicus     Arizona Coreocarpus     Screened Out       Corsperimum welshii     Douglas' Tickseed     Screened Out       Corvus corax     Common raven     Screened Out       Corynorhinus townsendii     Townsend's big-Eared Bat     Reterned Out       Corynorhinus townsendii     Townsend's big-Eared Bat     Retereed Out       Coryphantha scheeri var. robustispina     Pine Pineapple Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Coryphantha scheeri var. scheeri     Scheer's Pincushion Cactus     Screened Out       Corspia glabella     Pricky-seed Pygmyweed     Screened Out       Crataegus rivularis     River hawthorm     Screened Out </td <td>Contopus cooperi</td> <td></td> <td>Retained</td>	Contopus cooperi		Retained
Coragyps atratusBlack vultureScreened OutCordylanthus laxiflorusNodding Bird's-beakScreened OutCordylanthus atritorusNodding Bird's-beakScreened OutCordylanthus neviniiNevin Bird's-beakScreened OutCordylanthus wrightii ssp. kaibabensisWright's Bird's-beakRetainedCoreocarpus arizonicusArizona CoreocarpusScreened OutCoreopis douglasiiDouglas' TickseedScreened OutCoreosis douglasiiDouglas' TickseedScreened OutCorvus brachyrhynchosAmerican crowScreened OutCorynorhinus townsendiiTownsend's big eared batScreened OutCorynorhinus townsendiiTownsend's big-Eared BatRetainedCoryphantha recurvataRecurved CorycactusScreened OutCoryphantha scheeri var. robustispinaPima Pineapple CactusScreened OutCorphantha scheeri var. scheeriScheer's Pincushion CactusScreened OutCrataegus erythropodaCerro HawthornScreened OutCrataegus erythropodaCerro HawthornScreened OutCrososoma bigelovii var. bigeloviiScreened OutScreened OutCrotalus willardiRidgenose rattlesnakeScreened OutCrotalus willardiRidgenose rattlesnakeScreened OutCrataegus erythropodaCerro HawthornScreened OutCrataegus erythropadaCerro HawthornScreened OutCrotalus willardiNew Mexico Ridgenose RattlesnakeScreened OutCrotalus willardiRidgenose rattlesnakeScreened Out </td <td></td> <td></td> <td></td>			
Cordulegaster diademaApache spiketailScreened OutCordylanthus laxillorusNodding Bird's-beakScreened OutCordylanthus neviniiNevin Bird's-beakScreened OutCordylanthus wrightii ssp. kaibabensisWright's Bird's-beakRetainedCoreocarpus arizonicusArizona CoreocarpusScreened OutCoreopsis douglasiiDouglas' TickseedScreened OutCorvus brachyrhynchosAmerican crowScreened OutCorvus coraxCommon ravenScreened OutCorynorhinus townsendiiTownsend's big eared batScreened OutCoryphanthus townsendii pallescensPale Townsend's Big-Eared BatRetainedCoryphantha scheeri var. robustispinaPima Pineapple CactusScreened OutCoryphantha scheeri var. scheeriScheer's Pincushion CactusScreened OutCorsteia glabellaPricky-seed PygmyweedScreened OutCorataegus rivularisRiver hawthorneScreened OutCrataegus rivularisRiver hawthorneScreened OutCrossosoma bigelovii var. bigeloviiScreened OutScreened OutCrotalus viridisPricky-seed PygmyweedScreened OutCrotalus villardiRigenose rattlesnakeScreened OutCrotalus villardiRiegnose rattlesnakeScreened Out <td></td> <td></td> <td></td>			
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Cryptantha holoptera Winged Cryptantha Screened Out			
	Cryptantha maritima var. maritima		Screened Out

Cryptantha maritima var. pilosa     Screened Out       Cryptantha muricata     Pointed Cat's-eye     Screened Out       Cryptantha muricata var. denticulata     Screened Out     Screened Out       Cryptantha nevadensis var. rigida     Osterhout Cat's-eye     Screened Out       Cryptantha prevodensis var. stenoloba     Preps Springs Cryptantha     Screened Out       Cryptantha semiglabra     Pipe Springs Cryptantha     Screened Out       Culoptila kimminsi     A Caddisfly     Screened Out       Culoptila kimminsi     A Caddisfly     Screened Out       Culoptila moselyi     A Caddisfly     Screened Out       Culoptila kimminsi     Cochise Dodder     Screened Out       Cuscuta ontiformis     Cochise Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfala Dodder     Screened Out       Cuscuta intiformis     Cochise Dodder     Screened Out       Cuscuta intiformis     Screened Out     Cycladenia humilis     Screened Out       Cycladenia humilis     Sarana Rita Dodder     Screened Out       Cygnus buccinator     Tumpeter swan     Screened Out       Cygnus buccinator     Tumapeter	Scientific Name	Common Name	In Or Out
Cryptantha muricata var. denticulata     Screened Out       Cryptantha oster/houti     Oster/hout Cat's-eye     Screened Out       Cryptantha pierocarya var. stenoloba     Pipe Springs Cryptantha     Screened Out       Cryptantha pierocarya var. stenoloba     Pipe Springs Cryptantha     Screened Out       Cryptantha seniglabra     Pipe Springs Cryptantha     Screened Out       Culoptila moselyi     A Caddisfly     Screened Out       Culoptila moselyi     A Caddisfly     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Allafla Dodder     Screened Out       Cuscuta dontolopis     Santa Rita Dodder     Screened Out       Cuscuta dontolopis     Santa Rita Dodder     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus columbiarus     Tundra swan     Screened Out       Cygnus columbiarus     Tundra swan     Screened Out       Cymoterus beckii	Cryptantha maritima var. pilosa		Screened Out
Cryptantha nevadensis var. rigida     Screened Out       Cryptantha osterhoutiii     Osterhout Cat's-eye     Screened Out       Cryptantha pterocarya var. stenoloba     Pipe Springs Cryptantha     Screened Out       Cryptantha semiglabra     Pipe Springs Cryptantha     Screened Out       Culpotii moselyi     A Caddisfly     Screened Out       Culpotii moselyi     A Caddisfly     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalla Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalla Dodder     Screened Out       Cuscuta indicora var. indecora     Screened Out     Screened Out       Cuscuta indicora var. indecora     Screened Out     Screened Out       Cuscuta ontoholepis     Santa Rita Dodder     Screened Out       Cuscuta inductata     Tubercle Dodder     Screened Out       Cycladenia humilis     Screened Out     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Turumpeter swan     Screened Out       Cygnus buccinator     Arizona Cymbiodytan Water     Screened Out       Cymopterus beckii     Pinnate	Cryptantha muricata	Pointed Cat's-eye	Screened Out
Cryptantha osterhoutii     Osterhout Cat's-eye     Screened Out       Cryptantha semiglabra     Pipe Springs Cryptantha     Screened Out       Cryptantha semiglabra     Pitet Y Cat's-eye     Screened Out       Culoptila inminisi     A Caddisfly     Screened Out       Culoptila inminisi     A Caddisfly     Screened Out       Culoptila inminisi     A Caddisfly     Screened Out       Cuscuta dentatasquamata     Los Pinitos Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfala Dodder     Screened Out       Cuscuta intificomis     Cachise Dodder     Screened Out       Cuscuta odontolepis     Santa Rita Dodder     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Tumdre swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymbiotyta arizonca     Arizona Cymbiodytan Water     Screened Out       Cymbiotyta arizonca     Arizona Screenes Spring-parsley     Screened Out       Cymbiotyta arizonca     Arizona Sw	Cryptantha muricata var. denticulata		Screened Out
Cryptantha pterocarya var. stenoloba     Screened Out       Cryptantha semiglabra     Pretty Cats-eye     Screened Out       Culpotila himminsi     A Caddisfly     Screened Out       Culpotila noselyi     A Caddisfly     Screened Out       Culscuta dentatasquamata     Los Pinitos Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Altalla Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Altalla Dodder     Screened Out       Cuscuta indecora var. indecora     Cochise Dodder     Screened Out       Cuscuta inducta utberculata     Tubercle Dodder     Screened Out       Cuscuta inducta utberculata     Tubercle Dodder     Screened Out       Cycladenia humilis     Sacramento Cycladenia     Screened Out       Cycladenia humilis     Screened Out     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out       Cygnopti busicinator     Tundra swan     Screened Out       Cymopterus parkeri     Parker's Cylloepus Riffle Beetle     Screened Out       Cymopterus contancei     Constance's Spring-parsley     Screened Out       Cymopterus beckii     Pinnate Spring-p	Cryptantha nevadensis var. rigida		Screened Out
Cryptantha semiglabra     Pipe Springs Cryptantha     Screened Out       Cryptantha tenuls     Pretty Cat's-eye     Screened Out       Culoptila kimminsi     A Caddistly     Screened Out       Culoptila moselyi     A Caddistly     Screened Out       Cuscuta dentatasquamata     Los Pinitos Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta indecora var. indecora     Screened Out     Screened Out       Cuscuta indecora var. indecora     Screened Out     Screened Out       Cuscuta indecora var. indecora     Jones Cycladenia     Screened Out       Cycladenia humilis     Screened Out     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygaus buccinator     Tumdra swan     Screened Out       Cygaus buccinator     Tundra swan     Screened Out       Cymobidyta arizonica     Arizona Cymbiodytan Water     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out      Cymopterus megacephalus     <	Cryptantha osterhoutii	Osterhout Cat's-eye	Screened Out
Cryptantha tenuis     Pretty Cat's-eye     Screened Out       Culoptila kimminsi     A Caddisfly     Screened Out       Culoptila moselyi     A Caddisfly     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta odnotlepis     Santa Rita Dodder     Screened Out       Cuscuta odnotlepis     Santa Rita Dodder     Screened Out       Cuscuta odnotlepis     Santa Rita Dodder     Screened Out       Cycladenia humilis     Screened Out     Screened Out       Cygnus buccinator     Tumpeter swan     Screened Out       Cygnus buccinator     Tumpeter swan     Screened Out       Cympoterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus beckiii	Cryptantha pterocarya var. stenoloba		Screened Out
Cryptantha tenuis     Pretty Cat's-eye     Screened Out       Culoptila kimminsi     A Caddisfly     Screened Out       Culoptila moselyi     A Caddisfly     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta odnotlepis     Santa Rita Dodder     Screened Out       Cuscuta donotlepis     Santa Rita Dodder     Screened Out       Cycladenia humilis     Sacramento Cycladenia     Screened Out       Cycladenia humilis     Sacreened Out     Cycladenia     Screened Out       Cygnus columbiarus     Tundra swan     Screened Out     Cygnus columbiarus     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out     Cygnus columbiarus     Screened Out       Cygnus buccinator     Tundra swan     Screened Out     Cymopterus seckii     Pinnate Spring-parsley     Screened Out	Cryptantha semiglabra	Pipe Springs Cryptantha	Screened Out
Culoptila moselyi     A Caddisfly     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta mitriormis     Cochise Dodder     Screened Out       Cuscuta dontolepis     Santa Rita Dodder     Screened Out       Cuscuta dontolepis     Santa Rita Dodder     Screened Out       Cycladenia humilis     Sacreaned Dotder     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cyglose parkeri     Parker's Cylloepus Riffle Beetle     Screened Out       Cympterus buccinator     Trumpeter swan     Screened Out       Cympoterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymanchum wigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cymanchum wigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cymanchus tairostris     Broad billed hummingbird     Screened Out       Cynonroys gunnison	Cryptantha tenuis	Pretty Cat's-eye	Screened Out
Cuscuta dentatasquamata     Los Pinitos Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta indicora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta indiritormis     Cochise Dodder     Screened Out       Cuscuta tuberculata     Tubercle Dodder     Screened Out       Cycladenia humilis     Sacramento Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out       Cygliopus columbianus     Tundra swan     Screened Out       Cylloopus parkeri     Parker's Cylloopus Riffle Beetle     Screened Out       Cympterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymopterus seckii     Pinnate Spring-parsley     Screened Out       Cynanchum wigginsii     Narow-leaf Spring-parsley     Screened Out       Cynanchum wigginsii     Narow-leaf Spring-parsley     Screened Out       Cynomys ludovicianus     Black-tailed Praine Dog     Screened Out       <	Culoptila kimminsi	A Caddisfly	Screened Out
Cuscuta erosa     Sonoran Desert Dodder     Screened Out       Cuscuta indecora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta intifformis     Cochise Dodder     Screened Out       Cuscuta intifformis     Screened Out     Screened Out       Cuscuta intifformis     Screened Out     Screened Out       Cycladenia humilis     Sacramento Cycladenia     Screened Out       Cycladenia humilis     Screened Out     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymopterus beckii     Parker's Cylloepus Riffle Beetle     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus negacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum sitainostris     Broad billed hummingbird     Screened Out       Cynanthus latinostris     Brade Heraire Dog     Screened Out       Cynomys Ludovicianus     Black-tailed Prair	Culoptila moselyi	A Caddisfly	Screened Out
Cuscuta indecora var. indecora     Bigseed Alfalfa Dodder     Screened Out       Cuscuta dotholepis     Santa Rita Dodder     Screened Out       Cuscuta dotholopis     Santa Rita Dodder     Screened Out       Cuscuta dotholopis     Santa Rita Dodder     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cympterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus magacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum signisii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynanchum signisii     Braak tailed Prairie Dog     Screened Out       Cynomys ludovi	Cuscuta dentatasquamata	Los Pinitos Dodder	Screened Out
Cuscuta mitriformis     Cochise Dodder     Screened Out       Cuscuta tuberculata     Tubercle Dodder     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymobdyta arizonica     Arizona Cymbiodyta Water     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum wigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynonys gunnisoni     Gunnison's prairie dog     Screened Out       Cynonys ludovicianus     Black-tailed Prairie Dog     Screened Out       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinodon macularius     Quitobaquito Pupfish     Screened Out       Cyprinodon macularius	Cuscuta erosa	Sonoran Desert Dodder	Screened Out
Cuscuta tuberculata     Santa Rita Dodder     Screened Out       Cuscuta tuberculata     Tubercle Dodder     Screened Out       Cycladenia humilis     Sacramento Cycladenis     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Trumpeter swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cygnus columbianus     Parker's Cylloepus Riffle Beetle     Screened Out       Cymopterus parkeri     Parker's Cylloepus Riffle Beetle     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Gunnison's prairie dog     Retained       Cynomys ludovicianus     Black-tailed Prairie Dog     Screened Out       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinedon macul	Cuscuta indecora var. indecora	Bigseed Alfalfa Dodder	Screened Out
Cuscuta tuberculata     Tubercle Dodder     Screened Out       Cycladenia humilis     Sacramento Cycladenia     Screened Out       Cycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus columbianus     Turumpeter swan     Screened Out       Cygnus columbianus     Turumpeter swan     Screened Out       Cymbodyta arizonica     Arizona Cymbiodytan Water     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum signisii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynomys gunnisoni     Gunnison's prairie dog     Retained       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinodon reruus     Quitobaquito Pupfish     Screened Out       Cypripedium parvifforum<	Cuscuta mitriformis	Cochise Dodder	Screened Out
Cycladenia humilis     Sacramento Cycladenis     Screened Out       Cygladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Cygnus buccinator     Trumpter swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymbiodyta arizonica     Arizona Cymbiodytan Water     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchus latirostris     Braca billed hummingbird     Screened Out       Cynomys gunnisoni     Gunnison's prairie dog     Retained       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinella formosa mearnsi     Vaqui shiner     Screened Out       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa     Screened O	Cuscuta odontolepis	Santa Rita Dodder	Screened Out
Öycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Oygnus buccinator     Trumpeter swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymbiodyta arizonica     Arizona Cymbiodytan Water     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum sigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynanchum sigginsii     Barad billed hummingbird     Screened Out       Cynanthus latirostris     Broad billed hummingbird     Screened Out       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinodon macularius     Desert Pupfish     Screened Out       Cypripedium parviflorum     lesser yellow lady's slipper     Screened Out       Cypr	Cuscuta tuberculata	Tubercle Dodder	Screened Out
Öycladenia humilis var. jonesii     Jones Cycladenia     Screened Out       Oygnus buccinator     Trumpeter swan     Screened Out       Cygnus columbianus     Tundra swan     Screened Out       Cymbiodyta arizonica     Arizona Cymbiodytan Water     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum sigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynanchum sigginsii     Barad billed hummingbird     Screened Out       Cynanthus latirostris     Broad billed hummingbird     Screened Out       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinodon macularius     Desert Pupfish     Screened Out       Cypripedium parviflorum     lesser yellow lady's slipper     Screened Out       Cypr	Cycladenia humilis	Sacramento Cycladenis	Screened Out
Öygnus columbianusTundra swanScreened OutCylloepus parkeriParker's Cylloepus Riffle BeetleScreened OutCymbiodyta arizonicaArizona Cymbiodytan WaterScreened OutCymopterus beckiiPinnate Spring-parsleyScreened OutCymopterus constanceiConstance's Spring-parsleyScreened OutCymopterus megacephalusLarge-leaf Spring-parsleyScreened OutCynanchum arizonicumArizona Swallow-wortScreened OutCynanchum wigginsiiNarrow-leaf or Wiggins Swallow-wortScreened OutCynanchum vigginsiiBroad billed hummingbirdScreened OutCynanchum statirostrisBroad billed hummingbirdScreened OutCynomys ludovicianusBlack-tailed Prairie DogScreened OutCyprinella formosa mearnsiYaqui shinerScreened OutCyprinodon eremusQuitobaquito PupfishScreened OutCyprinodon maculariusDesert PupfishScreened OutCyptopteris utahensisUtah Bladder FernScreened OutCystopteris utahensisVata Giant Sand Treader CricketScreened OutDaihnibaenetes arizonensisArizona Giant Sand Treader CricketScreened OutDalea urceolataScreened OutScreened OutDalea urceolataScreened OutScreened Out	Cycladenia humilis var. jonesii		Screened Out
Öygnus columbianusTundra swanScreened OutCylloepus parkeriParker's Cylloepus Riffle BeetleScreened OutCymbiodyta arizonicaArizona Cymbiodytan WaterScreened OutCymopterus beckiiPinnate Spring-parsleyScreened OutCymopterus constanceiConstance's Spring-parsleyScreened OutCymopterus megacephalusLarge-leaf Spring-parsleyScreened OutCynanchum arizonicumArizona Swallow-wortScreened OutCynanchum wigginsiiNarrow-leaf or Wiggins Swallow-wortScreened OutCynanchum vigginsiiBroad billed hummingbirdScreened OutCynanchum statirostrisBroad billed hummingbirdScreened OutCynomys ludovicianusBlack-tailed Prairie DogScreened OutCyprinella formosa mearnsiYaqui shinerScreened OutCyprinodon eremusQuitobaquito PupfishScreened OutCyprinodon maculariusDesert PupfishScreened OutCyptopedides nigerBlack swiftScreened OutCyptopedides nigerSatta Catalina Prairie-cloverScreened OutDaihnibaenetes arizonensisArizona Giant Sand Treader CricketScreened OutDalea urceolataScreened OutScreened OutDalea uresciolar var. sessilisClark Valley LarkspurScreened Out <td>Cygnus buccinator</td> <td>Trumpeter swan</td> <td>Screened Out</td>	Cygnus buccinator	Trumpeter swan	Screened Out
Öylloepus parkeri     Parker's Cylloepus Riffle Beetle     Screened Out       Cymbiodyta arizonica     Arizona Cymbiodytan Water Scavenger Beetle     Screened Out       Cymopterus beckii     Pinnate Spring-parsley     Screened Out       Cymopterus constancei     Constance's Spring-parsley     Screened Out       Cymopterus megacephalus     Large-leaf Spring-parsley     Screened Out       Cynanchum arizonicum     Arizona Swallow-wort     Screened Out       Cynanchum wigginsii     Narrow-leaf or Wiggins Swallow-wort     Screened Out       Cynanthus latirostris     Broad billed hummingbird     Screened Out       Cynomys gunnisoni     Gunnison's prairie dog     Retained       Cyprinella formosa     Beautiful Shiner     Screened Out       Cyprinella formosa mearnsi     Yaqui shiner     Screened Out       Cyprinodon macularius     Desert Pupfish     Screened Out       Cypripedium parvilforum     lesser yellow lady's slipper     Screened Out       Cystopteris utahensis     Utah Bladder Fern     Retained       Daihnihibaenetes arizonensis     Arizona Giant Sand Treader Cricket     Screened Out       Dalae tentaculoides     Gentry's Indigobush     S			Screened Out
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Dendroica caerulescens Black-throated blue warbler Screened Out			Screened Out
		Grace's warbler	Retained

Scientific Name	Common Name	In Or Out
Dendroica nigrescens	Black-throated gray warbler	Retained
Dendroica palmarum	Palm warbler	Screened Out
Dendroica pennsylvanica	Chestnut sided warbler	Screened Out
Dendroica townsendi	Townsend's warbler	Screened Out
Descurainia obtusa ssp. adenophora		Screened Out
Descurainia obtusa ssp. obtusa		Screened Out
Descurainia pinnata ssp. paysonii		Screened Out
Desmanthus covillei	Coville's Bundle-flower	Screened Out
Desmodium gramineum	Narrow-leaf Tick-trefoil	Screened Out
Desmodium metcalfei	Metcalfe's ticktrefoil	Screened Out
Desmodium psilocarpum	Santa Cruz Tick-trefoil	Screened Out
Desmodium scopulorum	Sonoran Tick-trefoil	Screened Out
Dicoria canescens ssp canescens		Screened Out
Dicoria canescens ssp. brandegeei	Brandegee Dicoria	Screened Out
Dicoria canescens ssp. clarkiae		Screened Out
Dicoria canescens ssp. hispidula		Screened Out
Didelphis virginiana	Virginia opussum	Screened Out
Dipodomys microps leucotis	House Rock Valley chisel-toothed kangaroo rat	Retained
Dithyrea californica	California Wild-mercury	Screened Out
Dodecatheon alpinum	Alpine Shooting-star	Screened Out
Dodecatheon alpinum ssp. majus		Screened Out
Dolichonyx oryzivorous	Bobolink	Screened Out
Draba asprella	Rough Whitlow-grass	Screened Out
Draba asprella var. asprella	Rough Whitlow-grass	Retained
Draba asprella var. kaibabensis	Rough Whitlow-grass	Retained
Draba asprella var. stelligera	Rough Whitlow-grass	Retained
Draba cuneifolia var. sonorae		Screened Out
Draba helleriana var. bifurcata		Screened Out
Draba hellerniana var. blumeri		Screened Out
Draba petrophila	Rock Whitlow-grass	Screened Out
Draba petrophila var. viridis		Screened Out
Draba rectifructa	Mountain Whitlow-grass	Retained
Draba spectabilis	Showy Whitlow-grass	Screened Out
Draba spectabilis var. spectabilis		Screened Out
Draba standleyi	Standley's Whitlow-grass	Screened Out
Drymaria effusa var. effusa		Screened Out
Drymaria viscosa		Screened Out
Dryopteris rossii	Ros's Woodfern	Screened Out
Dumetella carolinensis	Gray catbird	Screened Out
Dythemis maya	Mayan Setwing	Screened Out
Echinocactus horizonthalonius var. nicholii	Nichol's Turk's-head Cactus	Screened Out
Echinocactus polycephalus	Cotton-top Cactus	Screened Out
Echinocactus polycephalus var. polycephalus		Screened Out
Echinocactus polycephalus var.		Screened Out
xeranthemoides		
Echinocereus coccineus var. arizonicus	Arizona Hedgehog Cactus	Screened Out
Echinocereus engelmannii var.		Screened Out
chrysocentrus		
Echinocereus engelmannii var. variegatus	Engelmann's Hedgehog Cactus	Screened Out
Egretta thula	Snowy egret	Screened Out
Egretta tricolor	Tricolored heron	Screened Out
Elanus leucurus	White-tailed kite	Screened Out

Scientific Name	Common Name	In Or Out
Eleutherodactylus augusti	Barking frog	Screened Out
Emesis ares	Ares metalmark	Screened Out
Emesis zela	Zela metalmark	Screened Out
Empidonax fulvifrons	Buff-breasted flycatcher	Screened Out
Empidonax fulvifrons pygmaeus	Northern buff-breasted flycatcher	Screened Out
Empidonax hammondii	Hammond's flycatcher	Screened Out
Empidonax occidentalis	Cordilleran flycatcher	Screened Out
Empidonax traillii extimus	Southwestern willow flycatcher	Screened Out
Empidonax wrightii	Gray flycatcher	Screened Out
Enallagma semicirculare	Claw-tipped Bluet	Screened Out
Encelia virginensis	Virgin River Brittlebush	Screened Out
Enceliopsis argophylla	Silver-leaf Sunray	Screened Out
Entosthodon rubiginosus		Screened Out
Eocyzicus concavus	Swaybacked Clam Shrimp	Screened Out
Ephedra californica	California Mormon-tea	Screened Out
Ephedra fasciculata	Nevada Mormon-tea	Screened Out
Ephedra funerea	Death Valley Mormon-tea	Screened Out
Epilobium foliosum	California willowherb	Screened Out
Epilobium lactiflorum	milkflower willowherb	Screened Out
Epilobium oregonense	Oregon willowherb	Screened Out
Epipactis gigantea	Giant Helleborine	Screened Out
Epixiphium wislizeni	Wislizenus' Snapdragon	Screened Out
Eremarionta rowelli	Eastern Desertsnail	Screened Out
Eremocrinum albomarginatum	Intermountain False-wheatgrass	Screened Out
Eriastrum eremicum ssp. yageri		Screened Out
Ericameria cervina	Deer Golden-weed	Screened Out
Ericameria nauseosa var. nitida	Rubber Rabbitbrush	Screened Out
Ericameria watsonii	Watson's Golden-weed	Screened Out
Erigeron anchana		Screened Out
Erigeron arisolius		Screened Out
Erigeron arizonicus	Arizona Fleabane	Screened Out
Erigeron compactus	Mound Daisy	Screened Out
Erigeron heliographis		Screened Out
Erigeron kuschei	A Fleabane	Screened Out
Erigeron lemmonii	Lemmon's Fleabane	Screened Out
Erigeron oxyphyllus	Wand-like Fleabane	Screened Out
Erigeron piscaticus	Fish Creek Fleabane	Screened Out
Erigeron pringlei	Pringle's Fleabane	Screened Out
Erigeron rhizomatus	Thizome Fleabane	Screened Out
Erigeron saxatilis	Cliff Fleabane	Retained
Erigeron scopulinus	Winn Falls Fleabane	Screened Out
Erigeron sivinskii	Sivinski's Fleabane	Screened Out
Erigeron utahensis var. sparsifolius	Utah Fleabane	Screened Out
Eriogonum arizonicum	A Wild buckwheat	Screened Out
Eriogonum corymbosum var. glutinosum	Wild Buckwheat	Retained
Eriogonum darrovii	Darrow's Buckwheat	Retained
Eriogonum ericifolium	Yavapai Wild Buckwheat	Screened Out
Eriogonum ericifolium var. ericifolium	Heathleaf Wild Buckwheat	Screened Out
Eriogonum ericifolium var. pulchrum	Yavapai wild buckwheat	Retained
Eriogonum heermannii var. apachense	Apache Wild Buckwheat	Screened Out
Eriogonum heermannii var. argense	Heerman's Wild Buckwheat	Screened Out
Eriogonum heermannii var. floccosum	Clark Mountain Wild Buckwheat	Screened Out

Scientific Name	Common Name	In Or Out
Eriogonum heermannii var. subspinosum		Screened Out
Eriogonum heermannii var. sulcatum		Screened Out
Eriogonum insigne	A Wild buckwheat	Screened Out
Eriogonum jonesii	Jones' Wild Buckwheat	Retained
Eriogonum leptocladon var. papiliunculi	Dune Buckwheat	Screened Out
Eriogonum leptophyllum	Slenderleaf Buckwheat	Screened Out
Eriogonum mortonianum	Morton Wild Buckwheat	Retained
Eriogonum pharnaceoides var. cervinum	Wire-stemmed Wild buckwheat	Screened Out
Eriogonum plumatella	Flat-topped Wild buckwheat	Screened Out
Eriogonum ripleyi	Ripley's Wild buckwheat	Screened Out
Eriogonum subreniforme	A Wild buckwheat	Screened Out
Eriogonum thompsoniae var. albiflorum	White-flow Thompson Wild Buckwheat	Screened Out
Eriogonum thompsoniae var. atwoodii	Atwood's Wild Buckwheat	Retained
Eriogonum viscidulum	Sticky Buckwheat	Screened Out
Eriogonum wrightii var. pringlei		Screened Out
Eriogonum zionis var. coccineum	A Wild-buckwheat	Screened Out
Eriogonum zionis var. zionis	A Zion Wild Buckwheat	Screened Out
Eriophyllum multicaule	Many-stem Woolly-sunflower	Screened Out
Errazurizia rotundata	Round Dunebroom	Screened Out
Eryngium sparganophyllum	Arizona Eryngo	Screened Out
Escobaria orcuttii	Orcutt's Foxtail Cactus	Screened Out
Escobaria robbinsiorum	Cochise Pincushion Cactus	Screened Out
Escobaria vivipara var. bisbeeana	Bisbee Pincushion Cactus	Screened Out
Escobaria vivipara var. buoflama	Yavapai Beehive Cactus	Screened Out
Escobaria vivipara var. deserti	Spinystar	Screened Out
Escobaria vivipara var. kaibabensis	Spinystar	Retained
Escobaria vivipara var. rosea	Viviparous Foxtail Cactus	Screened Out
Euchaetes fusca		Screened Out
Euchaetes gigantea		Screened Out
Eucnide rupestris	Rock Stingbush	Screened Out
Eucrypta chrysanthemifolia var. bipinnatifida	Spotted Hideseed	Screened Out
Euderma maculatum	Spotted bat	Retained
Euhyparpax rosea	A Notodontid Moth	Screened Out
Eumeces callicephalus	Mountain skink	Screened Out
Eumeces gilberti arizonensis	Arizona Skink	Screened Out
Eumeces skiltonianus	Western skink	Retained
Eumops perotis	Greater bonneted bat	Screened Out
Eumops perotis californicus	Greater Western Mastiff Bat	Retained
Eumops underwoodi	Underwood's bonneted bat	Screened Out
Eumorsea balli	Ball's Monkey Grasshopper	Screened Out
Eumorsea pinaleno	Pinaleno Monkey Grasshopper	Screened Out
Eupatorium bigelovii	Bigelow Thoroughwort	Screened Out
Euphilotes baueri	Bauer's Blue	Screened Out
Euphilotes bernardino	Bernadino Blue	Screened Out
Euphilotes mojave	Mojave Blue	Screened Out
Euphilotes mojave virginensis	Mojave Blue	Screened Out
Euphilotes pallenscens	Pallid Blue	Screened Out
Euphilotes rita	Rita Dotted-blue	Screened Out
Euphilotes rita emmeli	Emmel's Blue	Screened Out
Euphilotes spaldingi	Spalding's Blue	Screened Out
Euphorbia aaron-rossii		Screened Out
Euphorbia aaron-rossii Euphorbia palmeri var. subpubens		Screened Out
		Screened Out

Scientific Name	Common Name	In Or Out
Euphydryas chalcedona chuskae	Chalcedon Checkerspot	Screened Out
Euproserpinus wiesti	Wiest's Sphinx Moth	Screened Out
Euptilotis neoxenus	Eared quetzal	Screened Out
Eurybia pulchra	· · ·	Screened Out
Falco femoralis	Aplomado flacon	Screened Out
Falco femoralis septentrionalis	Northern aplomado falcon	Screened Out
Falco mexicanus	Prairie falcon	Screened Out
Falco peregrinus anatum	American peregrine falcon	Retained
Fallceon eatoni	A Mayfly	Screened Out
Felis rufus	Bobcat	Screened Out
Fendlerella utahensis var. cymosa		Screened Out
Ferocactus cylindraceus var. eastwoodiae	Eastwood's Barrel-cactus	Screened Out
Flaveria macdougalii	Grand Canyon Flaveria	Screened Out
Frangula betulifolia ssp. obovata	obovate buckthorn	Screened Out
Frangula betullifolia ssp. obovata		Screened Out
Fraxinum gooddingii	Goodding's Ash	Screened Out
Fraxinum papillosa	Chihuahua Ash	Screened Out
Fremontodendron californicum	California flannelbush	Screened Out
Fulica americana	Coot	Screened Out
Gaillardia arizonica var. pringlei		Screened Out
Gaillardia multiceps	Onion Blanket-flower	Screened Out
Gaillardia multiceps var. multiceps		Screened Out
Gaillardia parryi	Parry's Blanket-flower	Retained
Galactia wrightii var. mollissima		Screened Out
Galium collomiae	Fossil Creek Bedstraw	Screened Out
Galium fendleri	Fendler's bedstraw	Screened Out
Galium wrightii	Wright Bedstraw	Screened Out
Gallinago delicata	Wilson's snipe	Screened Out
Gallinula chloropus	Common moorhen	Screened Out
Gardinia anopla		Screened Out
Garrya flavescens	Ashy Silktassel	Screened Out
Gastrocopta ashmuni	Sluice Snaggletooth	Screened Out
Gastrocopta cochisensis	Apache Snaggletooth	Screened Out
Gastrocopta dalliana	Shortneck Snaggletooth	Screened Out
Gastrocopta prototypus	Sonoran Snaggletooth	Screened Out
Gastrocopta guadridens	Cross Snaggletooth	Screened Out
Gastrophryne olivacea	Great Plains narrow-mouthed toad	Screened Out
Gavia immer	Common loon	Screened Out
Gavia pacifica	Pacific loon	Screened Out
Gentiana fremontii	Moss gentian	Screened Out
Gentianella amarella ssp. wrightii		Screened Out
Gentianella microcalyx	Chiricahua Mountains Dwarf-gentian	Screened Out
Gentianella tenella	Dane's dwarf gentian	Screened Out
Gentianella wislizeni	Chiricahua Gentian	Screened Out
Gentianopsis barbellata	Bearded gentian	Screened Out
Geranium lentum	Mogollon Crane's-bill	Screened Out
Geranium vislizeni	Huachuca Crane's-bill	Screened Out
Gila cypha	Humpback Chub	Screened Out
Gila ditaenia	Sonora Chub	Screened Out
Gila elegans	Bonytail	Screened Out
Gila intermedia	Gila Chub	Screened Out
Gila nigra	Headwater Chub	Screened Out
Una migra		

Scientific Name	Common Name	In Or Out
Gila purpurea	Yaqui Chub	Screened Out
Gila robusta	Roundtail Chub	Screened Out
Gila seminuda	Virgin River Chub	Screened Out
Gilia hutchinsifolia	Hutchins' Gilia	Screened Out
Gilia latifolia var. latifolia		Screened Out
Gilia minor	Little Gilia	Screened Out
Gilia triodon		Screened Out
Glandularia chiricahensis	Chiricahua Vervain	Screened Out
Glaucidium brasilianum cactorum	Cactus ferruginous pygmy-owl	Screened Out
Glaucopsyche lygdamus	Silvery Blue	Screened Out
Glaucopsyche lygdamus minipunctum	Silvery Blue	Screened Out
Glaudidium brasilianum	Ferruginous pygmy-owl	Screened Out
Gnaphalium arizonicum	Arizona Cudweed	Screened Out
Gnaphalium exilifolium		Screened Out
Goodyera repens	Lesser rattlesnake plantain	Screened Out
Gopherus agassizii pop. 1	Desert Tortoise - Mohave Population	Screened Out
Grammia allectans		Screened Out
Graptopetalum bartramii	Patagonia Mountain Leather-petal	Screened Out
Grindelia laciniata	Cut-leaf Gumweed	Screened Out
Grus canadensis	Sandhill crane	Screened Out
Gumaga nigricula	A Bushtailed Caddisfly	Screened Out
Gutierrezia wrightii	Wright's snakeweed	Screened Out
Gyalopion quadrangulare	Thornscrub hook-nosed snake	Screened Out
Gymnocarpium dryopteris	Northern oak fern	Screened Out
Gymnogyps californianus	California condor	Retained
Gymnorhinus cyanocephalus	Pinyon jay	Retained
Hackelia besseyi	Bessey Stickseed	Screened Out
Hackelia ursina	Chihuahuan Stickseed	Screened Out
Hackelia ursina var. diaboli		Screened Out
Hackelia ursina var. pustulata		Screened Out
Hackelia ursina var. ursina		Screened Out
Haliaeetus leucocephalus	Bald eagle	Retained
Harpagonella palmeri var. arizonica		Screened Out
Harpagonella palmeri var. palmeri	Palmer Grappling Hook	Screened Out
Hebrus longivillus	a velvet water bug	Screened Out
Hedeoma dentata	Arizona False-penny-royal	Screened Out
Hedeoma diffusa	Flagstaff Pennyroyal	Retained
Hedeoma hyssopifolia		Screened Out
Hedeoma nana ssp. macrocalyx		Screened Out
Hedeoma oblongifolia		Screened Out
Helenium arizonicum	Arizona Sneezeweed	Screened Out
Helianthella microcephala	Small-head Rockrose	Screened Out
Helianthella parryi	Parry's dwarf-sunflower	Screened Out
Helianthus anomalus	Western Sunflower	Screened Out
Helianthus arizonensis	Arizona sunflower	Retained
Helianthus niveus ssp. tephrodes	Algondones Dunes Sunflower	Screened Out
Heliomeris multiflora var. brevifolia		Screened Out
Heliotropium convolvulaceum var.		Screened Out
californicum		
Heloderma suspectum cinctum	Gila monster (banded)	Screened Out
Heloderma suspectum suspectum	Gila monster (reticulate)	Screened Out
Hemileuca griffini	Griffin's Sheepmoth	Screened Out
Hemileuca grotei diana	A Buckmoth	Screened Out

Scientific Name	Common Name	In Or Out
Hemileuca hera magnifica	Magnificent Sheepmoth	Screened Out
Hemileuca hualapai	Hualapai Buckmoth	Screened Out
Hemileuca stonei	Stone's Buckmoth	Screened Out
Hermannia pauciflora	Santa Catalina Burstwort	Screened Out
Hesperia colorado susanae		Screened Out
Hesperia lindseyi	Lindsey's Skipper	Screened Out
Hesperia woodgatei	Apache Skipper	Screened Out
Hesperocallis undulata	Desert Lily	Screened Out
Hesperochiron pumilus	Dwarf hesperochiron	Screened Out
Hesperodoria salicina	Willow Glow-weed	Screened Out
Hesperopsis gracielae	Mcneill's Saltbush Sootywing	Screened Out
Heteranthera peduncularis		Screened Out
Heterelmis stephani	Stephan's Heterelmis Riffle Beetle	Screened Out
Heterocampa amanda	A Notodontid Moth	Screened Out
Heterocampa averna	A Notodontid Moth	Screened Out
Heterocampa incongrua	A Notodontid Moth	Screened Out
Heterocampa ruficornis	A Notodontid Moth	Screened Out
Heterocampa sp. 1 nr. amanda	A Notodontid Moth	Screened Out
Heterodermia appalachensis		Screened Out
Heterotheca rutteri	Rutter's Golden-aster	Screened Out
Heterotheca zionensis	Zion Goldenaster	Screened Out
Heuchera eastwoodiae	Senator Mine Alum-root	Screened Out
Heuchera glomerulata	Chiricahua Mountain Alum-root	Screened Out
Heuchera novomexicana	New Mexico Alum-root	Retained
Heuchera parvifolia var. arizonica		Screened Out
Heuchera sanguinea var. pulchra		Screened Out
Heuchera sanguinea var. sanguinea Heuchera sanguinea var. sanguinea		Screened Out
Hexalectris revoluta	Chisos Coral-root	Screened Out
	Chisos Cora-root	Screened Out
Hexalectris spicata var. arizonica Hexalectris warnockii	Burple spike Corelrect	Screened Out
	Purple-spike Coralroot Smooth Hawkweed	Screened Out
Hieracium carneum	Yellow Hawkweed	Screened Out
Hieracium fendleri var. mogollense Hieracium fendleri vari.discolor	Tellow Hawkweed	Screened Out
Hieracium lemmonii	Lemmon's Hawkweed	Screened Out
Hieracium pringlei	Pringle's Hawkweed	Screened Out
Hieracium rusbyi	Ruby's Hawkweed	Screened Out
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Himantopus mexicanus	Black-necked stilt	Screened Out
Holospira arizonensis	Arizona Holospira	Screened Out
Holospira campestris		Screened Out
Holospira chiricahuana	Cave Creek Holospira	Screened Out
Holospira cionella		Screened Out
Holospira danielsi	Strongrib Holospira	Screened Out
Holospira ferrissi	Stock Holospira	Screened Out
Holospira millestriata	Vereband Helessine	Screened Out
Holospira montivaga	Vagabond Holospira	Screened Out
Holospira sherbrookei	Silver Creek Holospira	Screened Out
Holospira tantalus	Teasing Holospira	Screened Out
Holospira whetstonensis	Whetstone Holospira	Screened Out
Homoleptohyphes quercus	A mayfly	Screened Out
Hordeum arizonicum	Arizona Barley	Screened Out
Huleechius marroni carolus	Marron's San Carlos Riffle Beetle	Screened Out
Hulsea heterochroma	Red-ray Hulsea	Screened Out

Scientific Name	Common Name	In Or Out
Hyla wrightorum	Arizona (mountain) treefrog	Retained
Hylocharis leucotis	White-eared hummingbird	Screened Out
Hymenopappus filifolius var. tomentosus	Cobweb Hymenopappus	Screened Out
Hymenopappus mexicanus	Mexican Woolly-white	Screened Out
Hymenothrix loomisii	Loomis' Hymenothrix	Screened Out
Hymenoxys ambigens	Pinaleno Mountains Rubberweed	Screened Out
Hymenoxys ambigens var. ambigens	Pinaleno Mountains Rubberweed	Screened Out
Hymenoxys ambigens var. floribunda		Screened Out
Hymenoxys bigelovii		Screened Out
Hymenoxys helenioides	Intermountain Bitterweed	Screened Out
Hymenoxys jamesii	James' Rubberweed	Screened Out
Hymenoxys lemmonii	Lemmon's Bitter-weed	Screened Out
Hymenoxys quinquesquamata	Rincon Bitter-weed	Screened Out
Hymenoxys rusbyi	Ruby's Bitter-weed	Screened Out
Hypaurotis crysalus intermedia	Colorado Hairstreak	Screened Out
Hypericum anagalloides	Tinker's penny	Screened Out
Ictalurus pricei	Yaqui Catfish	Screened Out
Icteria virens	Yellow-breasted Chat	Screened Out
Icterus cucullatus	Hooded oriole	Screened Out
Ictinia mississippiensis	Mississippi kite	Screened Out
Idionycteris phyllotis	Allen's Lappet-Browed Bat	Retained
lliamna grandiflora	Large-flower Globe-mallow	Screened Out
Imperata brevifolia	California Satintail	Screened Out
Inopsis funerea	A Tiger Moth	Screened Out
Ipomoea longifolia	Pink-throat Morning-glory	Screened Out
Ipomoea plummerae var. cuneifolia		Screened Out
Ipomoea tenuiloba var. lemmonii	Lemmon's Morning-glory	Screened Out
Ipomoea thurberi	Thurber's Morning-glory	Screened Out
Ipomopsis arizonica		Screened Out
Ipomopsis congest ssp. frutescens	Shrub Gilia	Screened Out
Ipomopsis macombii	Macomb's Standing-cypress	Screened Out
Ipomopsis tenuifolia	Slenderleaf Ipomopsis	Screened Out
Ipomopsis tenuituba ssp. latiloba	Slendertube Skyrocket	Screened Out
Isocoma tenuisecta	Shrine Golden-weed	Screened Out
Isoetes bolanderi	Bollander's quillwort	Screened Out
Ithytrichia mexicana	A Caddisfly	Screened Out
Ivesia arizonica	Arizona Whitefeather	Retained
Ivesia arizonica var. arizonica	Arizona Whitefeather	Retained
Ixobrychus exilis hesperis	Western least bittern	Screened Out
Ixoreus naevius	Varied thrush	Screened Out
Jatropha cardiophylla	Sangre-de-cristo	Screened Out
Junonia genoveva nigrosuffusa	Dark Peacock	Screened Out
Kinosternon flavescens	Yellow mud turtle	Screened Out
Kinosternon sonoriense	Sonora mud turtle	Screened Out
Kinosternon sonoriense longifemorale	Sonoyta Mud Turtle	Screened Out
Laennecia eriophylla	Cochise Marshtail	Screened Out
Lampropeltis getula nigrita	Western Black Kingsnake	Screened Out
Lampropeltis pyromelana infralabialis	Utah Mountain Kingsnake	Retained
Lampropeltis triangulum	Milksnake	Retained
Lanius excubitor	Northern shrike	Screened Out
Lanius Iudovicianus	Loggerhead shrike	Screened Out

Scientific Name	Common Name	In Or Out
Larus heermanni	Heermann's gull	Screened Out
Lasionycteris noctivagans	Silver haired bat	Screened Out
Lasiurus blossevillii	Western red bat	Screened Out
Lasiurus xanthinus	Western yellow bat	Screened Out
Laterallus jamaicensis	Black rail	Screened Out
Laterallus jamaicensis coturniculus	California black rail	Screened Out
Lathyrus pauciflorus var. utahensis	Utah Pea	Screened Out
Lepidium alyssoides var. junceum	Mesa Pepperwort	Screened Out
Lepidium montanum var. glabrum	Mountain Pepperweed	Retained
Lepidomeda mollispinis	Virgin Spinedace	Screened Out
Lepidomeda mollispinis mollispinis	Virgin River Spinedace	Screened Out
Lepidomeda vittata	Little Colorado Spinedace	Screened Out
Lepidostoma acarolum	A Caddisfly	Screened Out
Lepidostoma knulli	A Caddisfly	Screened Out
Lepidostoma lacinatum	A Caddisfly	Screened Out
Leptochloa viscida	Sticky Sprangle-top	Screened Out
Leptogium rugosum		Screened Out
Leptonycteris yerbabuenae	Lesser long-nosed bat	Screened Out
Lesquerella arizonica	Arizona Bladderpod	Retained
Lesquerella cinerea	Basin Bladder-pod	Screened Out
Lesquerella gooddingii	Goodding's Bladderpod	Screened Out
Lesquerella kaibabensis	Kaibab Bladder-pod	Retained
Lesquerella pinetorum	White Mountain Bladderpod	Screened Out
Lessingia lemmonii	Lemmon's Lessingia	Screened Out
Leucanopsis perdentata	Lemmon's Lessingia	Screened Out
Leucanopsis perdentata	Lichen Grasshopper	Screened Out
Lewisia rediviva	Bitter root	Screened Out
Leymus salinus ssp. mojavensis	Mohave Wildrye	Screened Out
Libellula composita	Bleached Skimmer	Screened Out
Libellula nodisticta	Hoary skimmer	Retained
Ligusticum porteri	Porter Lovage	Screened Out
Ligusticum porteri var. porteri		Screened Out
Lilaeopsis schaffneriana var. recurva		Screened Out
Lilium parryi	Lemon Lily	Screened Out
Limenitis archippus obsoleta	Arizona Viceroy	Screened Out
Limentis acrippus obsoleta	A Caddisfly	Screened Out
Limnephilus arizona	A Caddisfly	Screened Out
Limnephilus granti	A Caddisfly	Screened Out
Limnephilus granu	A Caddisfly	Screened Out
Limnephilus sp. 1	A Caddisfly	Screened Out
	A Caddisfly	Screened Out
Limnephilus sperryi Limosa fedoa	Marbled godwit	
Linnosa ledoa		Screened Out Screened Out
Linaea borealis	Jones' Desert-gold Twinflower	
Linnaea boreans Listera convallarioides		Screened Out
Listera convalianoides Lithospermum confine	Broadlipped twayblade Arizona Gromwell	Screened Out Screened Out
Litodonta aonides	A Notodontid Moth	Screened Out
	A Notodontid Moth	
Litodonta contrasta	A Notodontid Moth	Screened Out
Litodonta sp. 1 nr. alpina		Screened Out
Lobelia fenestralis	Fringeleaf lobelia	Screened Out
Lobelia laxiflora var. angustifolia	Mexican Lobelia	Screened Out
Lomatium bicolor var. leptocarpum	Wasatch Biscuitroot	Screened Out

Scientific Name	Common Name	In Or Out
Lomatium mohavense ssp. mohavense	Mojave Desertparsley	Screened Out
Lomatium scabrum	Rough Desert-parsley	Screened Out
Lomatium scabrum var. tripinnatum	Goodrich Rough Desertparsley	Screened Out
Lontra canadensis	North American river otter	Screened Out
Lontra canadensis sonora	Southwestern river otter	Screened Out
Lophocampa mixta		Screened Out
Lophocampa pura		Screened Out
Lophodytes cucullatus	Hooded merganser	Screened Out
Lotus alamosanus	Sonoran Trefoil	Screened Out
Lotus mearnsii	Mearns Birds-foot Trefoil	Screened Out
Lotus mearnsii var. equisolensis		Screened Out
Lotus mearnsii var. mearnsii	Mearns lotus	Retained
Lupinus ammophilus	Sand Lupine	Screened Out
Lupinus caudatus	Tailcup lupine	Screened Out
Lupinus caudatus ssp. cutleri	Cutler's Spurred Lupine	Screened Out
Lupinus hillii	Hill's Lupine	Screened Out
Lupinus hillii var. arizonicus	Hill's Lupine	Screened Out
Lupinus hillii var. hillii	Hill's Lupine	Screened Out
Lupinus huachucanus	Huachuca Mountain Lupine	Screened Out
Lupinus kingii	King's Lupine	Screened Out
Lupinus kingii var. kingii	King's Lupine	Screened Out
Lupinus latifolius	Broadleaf lupine	Screened Out
Lupinus latifolius ssp. leucanthus	Broadleaf Lupine	Screened Out
Lupinus lemmonii	Lemmon's Lupine	Screened Out
Lupinus reminionii Lupinus neomexicanus	New Mexico Lupine	Screened Out
Lupinus doratus	Mojave Lupine	
	Silky Lupine	Screened Out Screened Out
Lupinus sericeus ssp. huffmanii	Pinyon Lupine	
Lupinus volutans Lycaena ferrisi		Screened Out Screened Out
	Ferris's Copper Water Jacket	
Lycium andersonii var. deserticola		Screened Out
Lycium berlandieri var. longistylum	Berlandier's Wolfberry Parish's Desert Thorn	Screened Out
Lycium parishii	Parish's Desert morn	Screened Out
Lycomorpha fulgens		Screened Out
Lysimachia hybrida	Lowland yellow loosestrife	Screened Out
Mabrya acerifolia	Maple-leaf Snapdragon	Screened Out
Machaeranthera arida	Arid Tansy-aster	Screened Out
Machaeranthera bigelovii var. mucronata	Bristle-tipped Aster	Screened Out
Machaeranthera canescens var. ambigua	Pinon Aster	Screened Out
Machaeranthera carnosa	Shrubby Alkali Aster	Screened Out
Machaeranthera grindelioides	Rayless tansy aster	Screened Out
Machaeranthera grindelioides var. depressa	Rayless Tansy Aster	Screened Out
Machaeranthera pinnatifida ssp. gooddingii	Rayless Tansy Aster	Screened Out
Machaeranthera pinnatifida var. paradoxa		Screened Out
Macromeria viridiflora var. thurberi	Giant-trumpets	Screened Out
Macromeria viridiflora var. viridiflora	Giant-trumpets	Retained
Macrosiphonia brachysiphon	Huachuca Rocktrumpet	Screened Out
Macrothemis inacuta	Straw-colored sylph	Screened Out
Malacothrix sonorae	Sonoran Desert-dandelion	Screened Out
Malacothrix stebbinsii	Stebbins Desert-dandelion	Screened Out
Malaxis porphyrea	Cochise adder's-mouth orchid	Screened Out
Mamimllaria tetrancistra	Southwestern Prickly-pear	Screened Out
Mammillaria grahamii var. oliviae	Olive Pincushion	Screened Out

Scientific Name     In Or Out       Mammillaria heyderi var. bullingtoniana     Little Nipple Cactus     Screened       Mammillaria heyderi var. meiacantha     Macdouga's Nipple Cactus     Screened       Mammillaria mainiae     Main's Nipple-cactus     Screened       Mammillaria mainiae     Main's Nipple-cactus     Screened       Mammillaria wrighti var. wrightii     Wright Fishhook Cactus     Screened       Marcopella allynsmithi     Squaw Park Talussnail     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Matelae babisii     Balbis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Megathymus ursus ursus     Ursine Giant Skipper     Screened       Melanitta fusca     White-winged scoter     Screened       Melanitta fusca     White-winged scoter     Screened       Melanitta fusca     White-winged scoter     Screened       Melanitta fusca     Suf scoter     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 52 </th <th>t</th>	t
Mammillaria heyderi var. meiacantha     Screened       Mammillaria mainae     Main's Nipple-cactus     Screened       Mammillaria wrightii var. wrightii     Wright Fishhook Cactus     Screened       Marnia californica     Screened     Screened       Marilia californica     Screened     Screened       Marilia nobsca     A Caddisfly     Screened       Marilia nobsca     A Caddisfly     Screened       Meda fulgidai     Spikedace     Screened       Meda fulgidai     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melampolum longicorne     Arizona Blackfoot     Screened       Melampolum longicorne     Arizona Blackfoot     Screened       Melannoplus chiricahuae     A Spur-throat Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus spelonidus     A Spur-throat Grasshop	l Out
Mammillaria miniae     Main's Nipple-cactus     Screened       Mammillaria wrightii     Wright Fishhook Cactus     Screened       Mannia californica     Screened       Margaranthus solanaceus     Netted globecherry     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Marilia nobsca     A Caddisfly     Screened       Matelea balbisii     Balbis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Medampodium longicorne     Arizona Blackfoot     Screened       Melanerpes lewis     Lewis's woodpecker     Retained       Melanoplus chritcahuae     A Spur-throat Grasshopper     Screened       Melanoplus dasultorius     Red Whiskers Grasshopper     Screened       Melanoplus spi-fidus     Spur-throat Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus spi-fidus     A Spur-throat Grasshopper     Screened       Melanoplus spi-fidus	l Out
Mammillaria wrightii var. wrightii     Wright Fishhook Cactus     Screened       Marina californica     Screened     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Maricopella allynsmithi     Babis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Meda fulgida     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melanita fusca     White-winged scoter     Retained       Melanita fusca     White-winged scoter     Screened       Melanoplus chricahuae     A Spur-throat Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus splendidus     A Spur-throat Grasshopper     Screened       Melanoplus pinaleno	Out
Mammillaria wrightii var. wrightii     Wright Fishhook Cactus     Screened       Mannia californica     Screened     Screened       Marigaranthus solanaceus     Netted globecherry     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Marilia nobsca     A Caddisfly     Screened       Meda fulgida     Spikedace     Screened       Meda fulgida     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melanitta fusca     White-winged scoter     Retained       Melanoplus chiricahuae     A Spur-throat Grasshopper     Screened       Melanoplus sp.illata     Surf scoter     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 52     Grasshopper     Screened       Melanoplus sp. 51     Grasshopper     Screened       Melanoplus pinaleno     A Spur-throat Grasshopper <td>Out</td>	Out
Mannia californica     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Maricopella allynsmithi     Squaw Park Talussnail     Screened       Marila nobsca     A Caddisfly     Screened       Matila nobsca     A Caddisfly     Screened       Matelea balbisii     Balbis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melanerpes lewis     Lewis's woodpecker     Retained       Melanerpes lewis     Lewis's woodpecker     Retained       Melanoplus chrircahuae     A Spur-throat Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus sp. 21     Grasshopper     Screened       Melanoplus sp. 52     Grasshopper     Screened       Melanoplus spinaleno     A Spur-throat Grasshopper     Screened       Melanoplus pinaleno     A Spur-throat Grasshopper <td>Out</td>	Out
Maricopella allynsmithi     Squaw Park Talussnail     Screened       Marilia nobsca     A Caddisfly     Screened       Matelea balbisii     Balbis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melanitta fusca     White-winged scoter     Screened       Melanoplus chiricahuae     A Spur-throat Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus magdalenae     A Spur-throat Grasshopper     Screened       Melanoplus sp. 2.1     Grasshopper     Screened       Melanoplus splendidus     A Spur-throat Grasshopper     Screened       Melanoplus splendidus     A Spur-throat Grasshopper     Screened       Melanoplus pinaleno     A Spur-throat Grasshopper     Screened	Out
Maricopella allynsmithi     Squaw Park Talussnail     Screened       Marilia nobsca     A Caddisfly     Screened       Matelea balbisii     Balbis' Milkvine     Screened       Meda fulgida     Spikedace     Screened       Megascops trichopsis     Whiskered screech owl     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Megathymus ursus deserti     Desert Yucca Borer     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melampodium longicorne     Arizona Blackfoot     Screened       Melanitta fusca     White-winged scoter     Screened       Melanoplus chiricahuae     A Spur-throat Grasshopper     Screened       Melanoplus desultorius     Red Whiskers Grasshopper     Screened       Melanoplus magdalenae     A Spur-throat Grasshopper     Screened       Melanoplus sp. 2.1     Grasshopper     Screened       Melanoplus splendidus     A Spur-throat Grasshopper     Screened       Melanoplus splendidus     A Spur-throat Grasshopper     Screened       Melanoplus pinaleno     A Spur-throat Grasshopper     Screened	l Out
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Metrichia voladaPage Springs MicrocaddisflyScreened	
Micrasema arizonica A Caddisfly Screened	
Micrathene whitneyi Elf owl Screened	
Microdynerus arenicolus     Antioch Potter Wasp     Screened	
Microtus longicaudus     Long-tailed vole     Retained	
Microtus longicaudus leucophaeus White-bellied Vole Screened	
Microtus mogollonensis hualpaiensis Hualapai Vole Screened	
Microtus mogollonensis navaho Navajo Mogollon vole Retained	
Microtus montanus arizonensis Arizona montane vole Screened	Out
Microvelia glabrosulcata     a water strider bug     Screened	
Minulus dentilobus     Southwest Monkey-flower     Screened	
Minutes dominante     Contraction	
Minulus parryiParry MonkeyflowerScreened	
Minutes paryi     Fully Monteynewer     Screened       Mimulus spissus     Compact Monkey-flower     Screened	

Scientific Name	Common Name	In Or Out
Mimulus verbenaceus	Crimson Monkeyflower	Screened Out
Minuartia filiorum	Threat-branch Stitchwort	Screened Out
Mirabilis pumila	Dwarf Umbrella-wort	Screened Out
Mniotilta varia	Black-and-white warbler	Screened Out
Molendoa sendtneriana		Screened Out
Molothrus ater	Brown-headed cowbird	Screened Out
Monardella linoides ssp. linoides	Flat-leaf Wild-mint	Screened Out
Monardella linoides ssp. stricta		Screened Out
Moneses uniflora	Wood nymph	Retained
Morsea dumicola	A Monkey Grasshopper	Screened Out
Morsea kaibabensis	A Monkey Grasshopper	Screened Out
Muhlenbergia curtifolia	Rock Muhly	Screened Out
Muhlenbergia dumosa	Bamboo Muhly	Screened Out
Muhlenbergia gooddingii	Goodding's Muhly	Screened Out
Muhlenbergia thurberi	Thurber's Muhly	Screened Out
Mus musculus	House mouse	Screened Out
Mustela frenata	Longtail weasel	Screened Out
Mustela nigripes	Black-footed ferret	Screened Out
Myadestes townsendi	Townsend's solitaire	Screened Out
Mycteria americana	Wood stork	Screened Out
Myioborus pictus	Painted redstart	Screened Out
Myiodynastes luteiventris	Sulphur-bellied flycatcher	Screened Out
Myodes gapperi	Southern red-backed vole	Screened Out
Myosurus nitidus	Western Mouse-tail	Retained
Myotis auriculus	Southwestern myotis	Retained
Myotis ciliolabrum	Western small footed myotis	Screened Out
Myotis evotis	Long-eared myotis	Screened Out
Myotis occultus	Arizona Myotis	Screened Out
Myotis thysanodes	Fringed myotis	Screened Out
Myotis volans	Long-legged myotis	Screened Out
Myotophallus rooseveltianus	Roosevelt Talussnail	Screened Out
Naesiotus christenseni	Santa Rita Rabdotus	Screened Out
Nama retrorsum	Betatakin Nama	Screened Out
Nasua narica	White-nosed coati	Screened Out
Nectopsyche dorsalis	A Caddisfly	Screened Out
Nectopsyche minuta	A Caddisfly	Screened Out
Nemacaulis denudata	Woolly-heads	Screened Out
Nemacaulis denudata var. gracilis	Slender Woolly-heads	Screened Out
Nemacladus gracilis	Slender Nemacladus	Screened Out
Nemacladus longiflorus var. breviflorus		Screened Out
Neogaerrhinum filipes	Yellow-twining Snapdragon	Screened Out
Neominois ridingsii	Ridings' Satyr	Screened Out
Neophasia terlooii	Chiricahua White	Screened Out
Neotamias cinereicollis	Gray-collared chipmunk	Screened Out
Neotamias minimus arizonensis	White Mountains chipmunk	Screened Out
Neotamias minimus anzonensis	Kaibab least chipmunk	Retained
Neotamias rufus	Hopi chipmunk	Screened Out
Neotoma cinerea	Bushy-tailed woodrat	Screened Out
Neotrichia osmena	A Caddisfly	Screened Out
Nissolia wislizeni		
	North Canyon Ground Pootlo	Screened Out
none	North Canyon Ground Beetle	Screened out
none	Green stonefly	Screened out

Scientific Name	Common Name	In Or Out
Notholaena californica	California Cloakfern	Screened Out
Notholaena californica ssp. californica	California Cloakfern	Screened Out
Notholaena grayi ssp. sonorensis	Gray's Cloakfern	Screened Out
Notholaena lemmonii	Lemmon's Cloak-fern	Screened Out
Nothoscordum texanum	Texas False-garlic	Screened Out
Nucifraga columbiana	Clark's nutcracker	Screened Out
Numenisu phaeopus	Whimbrel	Screened Out
Numenius americanus	Long-billed curlew	Screened Out
Nuphar lutea	Pond lily	Retained
Nyctinomops femorosaccus	Pocketed free-tailed bat	Screened Out
Nyctinomops macrotis	Big free-tailed bat	Retained
Nymphaea mexicana	Banana Water-lily	Screened Out
Ochrotrichia argentea	A Caddisfly	Screened Out
Ochrotrichia ildria	A Caddisfly	Screened Out
Ochrotrichia rothi	A Caddisfly	Screened Out
Ochrotrichia spinulata	A Caddisfly	Screened Out
Odocoileus hemionus	Mule Deer	Screened Out
Odocoileus hemionus crooki	Desert mule deer	Screened Out
Odocoileus hemionus hemionus	Rocky Mtn. mule deer	Screened Out
Odocoileus virginianus couesi	Coues' white-tailed deer	Screened Out
Oecetis arizonica	A Caddisfly	Screened Out
Oecetis metlacensis	A Caddisfly	Screened Out
Oecetis sp. G	A Caddisfly	Screened Out
Oeneis alberta daura	Alberta Arctic	Screened Out
Oenothera cavernae	Cave Evening-primrose	Screened Out
Oenothera deltoides ssp. ambigua		Screened Out
Oenothera neomexicana	New Mexico Evening-primrose	Screened Out
Oliarces clara	Lacewing or Ally	Screened Out
Oligocentria alpica	A Notodontid Moth	Screened Out
Oligocentria delicata	A Notodontid Moth	Screened Out
Oligocentria sp. 1	A Notodontid Moth	Screened Out
Ongocentina sp. 1 Omphalora arizonica		Screened Out
Oncorhynchus apache	Apache (Arizona) Trout	Retained
Oncorhynchus apache Oncorhynchus gilae gilae	Gila Trout	Screened Out
Oncorhynchus mykiss aguabonita	California Golden Trout	Screened Out
Ondatra zibethicus	Common muskrat	Screened Out
Opeia atascosa	A Grasshopper	Screened Out
Ophiogomphus arizonicus	Arizona Snaketail	Screened Out
Oporornis formosus	Kentucky warbler	Screened Out
Oporornis tolmiei	MacGillivray's warbler	Retained
		Screened Out
Opuntia acanthocarpa var. coloradensis Opuntia aurea		Screened Out
Opuntia aurea Opuntia basilaris var. longiareolata		Screened Out
Opuntia basilaris var. longiareolata	Teddy-bear Cactus	Screened Out
Opuntia bigelovii Opuntia clavata	Club Cholla	Screened Out
Opuntia cravata Opuntia echinocarpa	Straw-top Cholla	Screened Out
Opuntia engelmannii var. flavispina		Screened Out
Opuntia erinacea var. ursina		Screened Out
		Screened Out
Opuntia fragilis var. brachyarthra		
Opuntia gosseliniana	Dovilla Brickly poor	Screened Out
Opuntia kunzei	Devil's Prickly-pear	Screened Out
Opuntia littoralis	Coastal Prickly-pear	Screened Out

Scientific Name	Common Name	In Or Out
Opuntia littoralis var. vaseyi		Screened Out
Opuntia macrocentra		Screened Out
Opuntia macrocentra var. macrocentra	Purple Prickly-pear	Screened Out
Opuntia martiniana	Seashore Cactus	Screened Out
Opuntia phaeacantha var. laevis		Screened Out
Opuntia pinkavae	Bulrush Canyon Prickly-pear	Screened Out
Opuntia polyacantha var. juniperina		Screened Out
Opuntia ramosissima	Lead-pencil Cholla	Screened Out
, Opuntia spinosior	Cane Prickly-pear	Screened Out
Opuntia whipplei	Whipple cholla	Screened Out
Opuntia wigginsii	Wiggins Cholla	Screened Out
Orconectes causeyi	A Crayfish	Screened Out
Oreohelix anchana	Ancha Mountainsnail	Screened Out
Oreohelix barbata	Bearded Mountainsnail	Screened Out
Oreohelix concentrata	Huachuca Mountainsnail	Screened Out
Oreohelix grahamensis	Pinaleno Mountainsnail	Screened Out
Oreohelix houghi	Diablo Mountainsnail	Screened Out
Oreohelix yavapai cummingsi		Screened Out
Oreoscoptes montanus	Sage thrasher	Retained
Oreoxis alpina		Screened Out
Orthocarpus purpureoalbus	Purple-white Owl's clover	Screened Out
Osmorhiza brachypoda	California sweetcicely	Screened Out
Ostrya knowltonii	Knowlton Hop-hornbeam	Screened Out
Otus flammeolus	Flammulated owl	Screened Out
Ovis canadensis canadensis	Rocky Mountain Bighorn Sheep	Screened Out
Ovis canadensis mexicana	Desert Bighorn Sheep	Screened Out
Ovis canadensis nelsoni	Desert bighorn sheep	Retained
Oxalis albicans ssp. californica		Screened Out
Oxalis alpina	Alpine Woodsorrel	Screened Out
Oxybelis aeneus	Brown vinesnake	Screened Out
Oxyethira arizona	A Caddisfly	Screened Out
Oxyloma haydeni	Niobrara Ambersnail	Screened Out
Oxyloma haydeni kanabensis	Kanab Ambersnail	Screened Out
Oxyura jamicensis	Ruddy duck	Screened Out
Pachyramphus aglaiae	Rose-throated becard	Screened Out
Packera cardamine	Bitter-cress Groundsel	Screened Out
Packera cynthioides	White Mountain Groundsel	Screened Out
Packera franciscana	San Francisco Peaks groundsel	Screened Out
Packera hartiana	Hart Groundsel	Screened Out
Packera neomexicana var. metcalfei	Metcalfe's Groundsel	Screened Out
Packera neomexicana var. toumeyi	Toumey Groundsel	Screened Out
Packera quaerens	New Mexico Groundsel	Screened Out
Palaemnema domina	Desert Shadowdamsel	Screened Out
Palafoxia arida var. gigantea	Giant Spanishneedle	Screened Out
Pallifera pilsbryi	Arizona Mantleslug	Screened Out
Pandion haliaetus	Osprey	Screened Out
Panicum mohavense	Mojave Panicgrass	Screened Out
Panicum sonorum	Sonoran Panicgrass	Screened Out
Pannaria conoplea		Screened Out
Panthera onca	Jaguar	Screened Out
Papaipema circumlucens	Hop Borer	Screened Out
Papilio indra kaibabensis	Kaibab Indra Swallowtail	Retained
		rotaniou

Paranyahia sassiliflara	Common Name	In Or Out
Paronychia sessiliflora	Creeping nailwort	Screened Out
Parryella filifolia	Narrowleaf Dunebroom	Screened Out
Parthenice mollis		Screened Out
Parula americana	Northern parula	Screened Out
	Virlet's Paspalum	Screened Out
	Savannah sparrow	Retained
	Chihuahua savannah sparrow	Screened Out
	Fox sparrow	Screened Out
	Painted bunting	Screened Out
Passerina versicolor	Varied bunting	Screened Out
	Beardless Chinch Weed	Screened Out
Pectis rusbyi	Rusby's Cinchweed	Screened Out
Pedicularis parryi ssp. mogollonica		Screened Out
	Brady Pincushion Cactus	Screened Out
	Park Pincushion-cactus	Retained
	Peebles Hedgehog-cactus	Screened Out
	Fickeisen Hedgehog-cactus	Retained
	Peebles Navajo Cactus	Screened Out
	Siler Pincushion Cactus	Screened Out
Pediocactus simpsonii var. simpsonii		Screened Out
	Aromatic Scurf Pea	Screened Out
Pediomelum castoreum	Beaver Scurf-pea	Screened Out
	Kane Breadroot	Screened Out
	Intermountain Scurf-pea	Screened Out
megalanthum		
Pediomelum megalanthum var. retrorsum		Screened Out
	Skunk-top Scurfpea	Retained
	Chihuahua Scurf Pea	Screened Out
	American white pelican	Screened Out
	Brown pelican	Screened Out
	California brown pelican	Screened Out
	Lyngholm's Cliffbrake	Screened Out
	Three-leaved Cliffbrake	Screened Out
Peniocereus greggi var. greggii	Desert Night-blooming Cereus	Screened Out
	Desert Night-blooming Cereus	Screened Out
	Desert Night-blooming Cereus	Screened Out
	White-margin Beardtongue	Screened Out
Penstemon ambiguus var. laevissimus		Screened Out
Penstemon barbatus ssp. trichander		Screened Out
	Two-color Beardtongue	Screened Out
	Rosey Bicolored Beardtongue	Screened Out
	Short-stem Beardtongue	Screened Out
	Mat Penstemon	Retained
	Sunset Crater Beardtongue	Screened Out
	Mt. Graham Beardtongue	Screened Out
	A Beardtongue	Screened Out
	Mt. Turnbull Beardtongue	Screened Out
Penstemon eatonii ssp. exsertus	×	Screened Out
	Southwestern Beardtongue	Retained
Penstemon lentus var. lentus	<u> </u>	Screened Out
	Toadflax Beardtongue	Screened Out
	Maguire's Penstemon	Screened Out
	Flagstaff Beardtongue	Retained

Penstemon oplianthus     Apache Beardtongue     Screened Out       Penstemon palmari var. eglandulosus     Arizona Beardtongue     Screened Out       Penstemon palmari var. eglandulosus     Petiolate Beardtongue     Screened Out       Penstemon pinifolius     Pineneelle Beardtongue     Rereneed Out       Penstemon pinifolius     Biack Ner Beardtongue     Retained       Penstemon putus     Biack Ner Beardtongue     Screened Out       Penstemon no strictformis     Stiff Beardtongue     Screened Out       Penstemon strictformis     Stiff Beardtongue     Screened Out       Penstemon strictformis     Stiff Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Tompson's Beardtongue     Screened Out       Pertistorent thompsoniae ssp. thompsoniae     Tompson's Beardtongue     Screened Out       Pertistoreus canadensis     Gray jay     Screened Out       Pertistoreus canadensis     Gray jay     Screened Out       Pertityle ajoensis     Ajo Rock Daisy     Screened Out       Pertityle ajoensis     Compacted Rock Daisy     Screened Out       Pertityle ajoensis     Compacted Rock Daisy     Screened Out	Scientific Name	Common Name	In Or Out
Penstemon palmeri var. eglandulosus     Coreened Out       Penstemon petiolatus     Petiolate Beardtongue     Screened Out       Penstemon petiolatus     Kaibab Beardtongue     Retained       Penstemon putus     Black River Beardtongue     Screened Out       Penstemon namosus     Branching Penstemon     Screened Out       Penstemon rydbergii     Rydberg's penstemon     Retained       Penstemon strictiformis     Stiff Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Peritoridia parishii szy panishii     Parish's Yampah     Screened Out       Peritoridia parishis panishii     Parish's Yampah     Screened Out       Perityle ajoensis     Gray jay     Screened Out       Perityle ajoensis     Cochise Rock Daisy     Screened Out       Perityle dissecta     Compacted Rock Daisy     Screened Out       Perityle connopifolia     Lace-leaf Rock Daisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gionsis     Gila Rockdaisy	Penstemon oliganthus	Apache Beardtongue	Screened Out
Penstemon palmeri var. eglandulosus     Coreened Out       Penstemon petiolatus     Petiolate Beardtongue     Screened Out       Penstemon petiolatus     Kaibab Beardtongue     Retained       Penstemon putus     Black River Beardtongue     Screened Out       Penstemon namosus     Branching Penstemon     Screened Out       Penstemon rydbergii     Rydberg's penstemon     Retained       Penstemon strictiformis     Stiff Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Peritoridia parishii szy panishii     Parish's Yampah     Screened Out       Peritoridia parishis panishii     Parish's Yampah     Screened Out       Perityle ajoensis     Gray jay     Screened Out       Perityle ajoensis     Cochise Rock Daisy     Screened Out       Perityle dissecta     Compacted Rock Daisy     Screened Out       Perityle connopifolia     Lace-leaf Rock Daisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gionsis     Gila Rockdaisy	Penstemon ophianthus	Arizona Beardtongue	Screened Out
Perstermon petiolatus     Petiolate Beardtongue     Screened Out       Penstermon pieuloputus     Kaibab Beardtongue     Retained       Penstermon putus     Black River Beardtongue     Retained       Penstermon ramosus     Brack River Beardtongue     Screened Out       Penstermon ramosus     Brack River Beardtongue     Screened Out       Penstermon superbus     Superb Beardtongue     Screened Out       Penstermon superbus     Superb Beardtongue     Screened Out       Penstermon superbus     Superb Beardtongue     Screened Out       Penstermon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Perisoreux canadensis     Gray jay     Screened Out       Perisoreux canadensis     Gray jay     Screened Out       Perityle aponsis     Ajo Rock Daisy     Screened Out       Perityle consis     Cochise Rock Daisy     Screened Out       Perityle conspitolia     Arizona Rock Daisy     Screened Out       Perityle ginesis var. gilensis     Gila Rockdaisy     Screened Out       Perityle ginesis var. salensis     Grass-like Rock Daisy     Screened Out       Perityle ginesis var. salensis		-	Screened Out
Penstermon pinifolius     Pineneedle Beardtongue     Screened Out       Penstermon putus     Black River Beardtongue     Retained       Penstermon putus     Black River Beardtongue     Screened Out       Penstermon ramosus     Branching Penstermon     Retained       Penstermon rydbergii     Rydberg's penstermon     Retained       Penstermon strictiformis     Stiff Beardtongue     Screened Out       Penstermon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Perideridia parishii syn, parishii     Parish's Yampah     Screened Out       Perideridia parishii syn, parishii     Parish's Yampah     Screened Out       Peridyle aponsis     Ajo Rock Daisy     Screened Out       Perityle antosiifolia     Lace-leaf Rock Daisy     Screened Out       Perityle conjestia     Coobise Rock Daisy     Screened Out       Perityle conjestia     Gila Rock Daisy     Screened Out       Perityle gliensis     Gila Rockdaisy     Screened Out       Perityle gliensis var. gliensis     Gila Rockdaisy     Screened Out       Perityle gliensis var. salensis     Grass-like Rockdaisy     Screened Out       Perityle		Petiolate Beardtongue	Screened Out
Penstermon pseudoputus     Kaibab Beardtongue     Retained       Penstermon ramosus     Black River Beardtongue     Screened Out       Penstermon ramosus     Branching Penstermon     Retained       Penstermon superbus     Stiff Beardtongue     Screened Out       Penstermon superbus     Superb Beardtongue     Screened Out       Penstermon superbus     Superb Beardtongue     Screened Out       Pentagramma triangularis ssp. maxonil     Westem Gold Fern     Screened Out       Perisoreus canadensis     Gray jay     Screened Out       Perityle ajoensis     Ajo Rock Daisy     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out       Perityle ginensis var. gilensis     Gla Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Gla Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Gla Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle gizacitis <td></td> <td></td> <td>Screened Out</td>			Screened Out
Penstemon putus     Black River Beardtongue     Screened Out       Penstemon ramosus     Branching Penstemon     Retained       Penstemon rydbergii     Rydberg's penstemon     Retained       Penstemon strictiformis     Stiff Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Perideridia parishi ssp. parishi     Parish's Yampah     Screened Out       Perideridia parishi ssp. parishi     Parish's Yampah     Screened Out       Peridyle ajoensis     Ajo Rock Daisy     Screened Out       Perityle colnisensis     Cochise Rock Daisy     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle gilensis var. galensis     Grass-like Rockdaisy     Retained       Perityle gilensis var. galensis     Grass-like Rockdaisy     Retained       Pe		Kaibab Beardtongue	Retained
Penstemon ramosus     Branching Penstemon     Screened Out       Penstemon structiformis     Stiff Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Peristerus canadensis     Gray jay     Screened Out       Peristy canadensis     Ajo Rock Daisy     Screened Out       Perityle conchisensis     Cochise Rock Daisy     Screened Out       Perityle conchisensis     Cochise Rock Daisy     Screened Out       Perityle concopifolia     Arizona Rock Daisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. salensis     Grass-like Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Screened Out     Screened Out       Perit			Screened Out
Penstemon strictiformis     Stiff Beardtongue     Screened Out       Penstemon superbus     Superb Beardtongue     Screened Out       Penstemon thompsoniae ssp. thompsoniae     Thompson's Beardtongue     Screened Out       Perideridia parishii ssp. parishii     Parish's Yampah     Screened Out       Perideridia parishii ssp. parishii     Parish's Yampah     Screened Out       Peridyel antorsiitolia     Lace-leaf Rock Daisy     Screened Out       Perityle antorsiitolia     Lace-leaf Rock Daisy     Screened Out       Perityle conopolifolia     Arizona Rock Daisy     Screened Out       Perityle conopolifolia     Arizona Rock Daisy     Screened Out       Perityle ginensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Grass-like Rockdaisy     Screened Out       Perityle ginensis var. gilensis     Wupatki Arizona Pocket Mouse     Screened Out       Perityle ginasis     Muratisona Poc			Screened Out
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Penstemon superbus     Superb Beardiongue     Screened Out       Pentagramma triangularis ssp. maxonii     Westem Gold Fern     Screened Out       Peritagramma triangularis ssp. maxonii     Parish's Yampah     Screened Out       Peritogramma triangularis ssp. maxonii     Parish's Yampah     Screened Out       Peritographic schemed Streened Out     Perityle appensis     Ajo Rock Daisy     Screened Out       Perityle consisensis     Cochise Rock Daisy     Screened Out     Perityle consist     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out     Perityle congesta     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out     Perityle gilensis     Screened Out       Perityle gilensis     Arizona Rock Daisy     Screened Out     Perityle gilensis var. gilensis     Screened Out       Perityle gilensis var. salensis     Grass-like Rockdaisy     Screened Out     Perityle gilensis var. salensis     Screened Out       Perityle gracilis     Grass-like Rockdaisy     Retained     Screened Out       Perityle gracilis     Grass-like Rock Daisy     Screened Out     Perognathus flavus goodpasteri     Springerville Pocket Mouse     S			Screened Out
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Pentagramma triangularis ssp. maxonii     Western Gold Fern     Screened Out       Perideridia parishii ssp. parishii     Parish's Yampah     Screened Out       Perisoreus canadensis     Gray jay     Screened Out       Perityle ajoensis     Ajo Rock Daisy     Screened Out       Perityle cochisensis     Cochise Rock Daisy     Screened Out       Perityle cochisensis     Cochise Rock Daisy     Screened Out       Perityle congesta     Compacted Rock Daisy     Screened Out       Perityle dissecta     Simlobe Rockdaisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. salensis     Grass-like Rockdaisy     Retained       Perityle gilensis var. salensis     Grass-like Rockdaisy     Screened Out       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perognathus amplus cineris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavus goodpasteri     Springerville Pocket Mouse     Screened Out       Perognathus flavus goodpasteri     Springerville Pocket Mouse     Screened Out </td <td>Penstemon thompsoniae ssp. thompsoniae</td> <td></td> <td>Screened Out</td>	Penstemon thompsoniae ssp. thompsoniae		Screened Out
Perideridia parishii ssp. parishii     Parish's Yampah     Screened Out       Peritoreus canadensis     Gray jay     Screened Out       Perityle opensis     Ajo Rock Daisy     Screened Out       Perityle opensis     Cochise Rock Daisy     Screened Out       Perityle conorgesta     Compacted Rock Daisy     Retained       Perityle coronopifolia     Arizona Rock Daisy     Screened Out       Perityle coronopifolia     Arizona Rock Daisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. salensis     Imoba Rockdaisy     Screened Out       Perityle gilensis var. salensis     Grass-like Rockdaisy     Retained       Perityle gracilis     Grass-like Rockdaisy     Retained       Perityle gracilis     Grass-like Rock Daisy     Screened Out       Perognathus amplus cineris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Perognathus flavus <td< td=""><td></td><td></td><td>Screened Out</td></td<>			Screened Out
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Perityle ajoensis     Ajo Rock Daisy     Screened Out       Perityle cochisensis     Cochise Rock Daisy     Screened Out       Perityle conchisensis     Cochise Rock Daisy     Screened Out       Perityle concesta     Compacted Rock Daisy     Retained       Perityle issocta     Slimlobe Rockdaisy     Screened Out       Perityle dissocta     Slimlobe Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. salensis     Screened Out     Screened Out       Perityle gilensis var. salensis     Screened Out     Screened Out       Perityle gracilis     Grass-like Rockdaisy     Retained       Perityle gracilis     Grass-like Rock Daisy     Screened Out       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perognathus amplus cineris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Peromyscus masutus     Northern rock mouse     Screened Out       Peromyscus nasutus     Northern rock			Screened Out
Perityle ambrosiifolia     Lace-leaf Rock Daisy     Screened Out       Perityle cochisensis     Cochise Rock Daisy     Screened Out       Perityle coronopifolia     Arizona Rock Daisy     Retained       Perityle coronopifolia     Arizona Rock Daisy     Screened Out       Perityle dissecta     Slimlobe Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Grass-like Rockdaisy     Retained       Perityle garallis     Grass-like Rockdaisy     Retained       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perityle tenella     Screened Out     Screened Out       Perognathus flavus coneris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavus goodpasteri     Spingerville Pocket Mouse     Screened Out       Peronyscus marriami     Merriam's deermouse     Screened Out       Peromyscus nasutus     Northern rock mouse     Screened Out       Peromyscus nasutus     Northern rock mouse     Screened Out       Petalonyx paryi     Pary Sandpaper-plant     Screened Out       Petacelia arizonica	Perityle ajoensis		
Perityle cochisensis     Cochise Rock Daisy     Screened Out       Perityle congesta     Compacted Rock Daisy     Retained       Perityle congopifolia     Arizona Rock Daisy     Screened Out       Perityle dissecta     Slimlobe Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. salensis     Screened Out     Screened Out       Perityle gracilis     Grass-like Rockdaisy     Retained       Perityle gracilis     Grass-like Rock Daisy     Screened Out       Perityle gracilis     Grass-like Rock Daisy     Screened Out       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perognathus amplus cineris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavus     Silky pocket mouse     Screened Out       Perognathus flavus     Silky pocket Mouse     Screened Out       Peromyscus merriami     Merriam's deermouse     Screened Out       Peromyscus nasutus     Northern rock mouse     Screened Out       Peteria scoparia     Rush peteria     Screened Out       Phacelia arizonica     Arizona Phacelia </td <td></td> <td></td> <td></td>			
Perityle congesta     Compacted Rock Daisy     Retained       Perityle coronopifolia     Arizona Rock Daisy     Screened Out       Perityle dissecta     Silmlobe Rockdaisy     Screened Out       Perityle gilensis     Gila Rockdaisy     Screened Out       Perityle gilensis var. gilensis     Screened Out     Screened Out       Perityle gracilis     Grass-like Rockdaisy     Retained       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perityle saxicola     Fish Creek Rock Daisy     Screened Out       Perognathus amplus cineris     Wupatki Arizona Pocket Mouse     Screened Out       Perognathus flavescens caryi     A Pocket Mouse     Screened Out       Perognathus flavus goodpasteri     Springerville Pocket Mouse     Screened Out       Peromyscus mariami     Merriam's deermouse     Screened Out       Peromyscus nasutus     Northern rock mouse     Screened Out       Peteria scoparia     Rush peteria     Screened Out       Petacedaramus taeniatus     Olive warbler     Screened Out       Phacelia arizonica     Arizona Phacelia     Screened Out       Phacelia arizonica     Arizona Phac		,	
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	Phaeophyscia kairamoi		Screened Out

Scientific Name	Common Name	In Or Out
Phalacrocorax brasilianus	Neotropic cormorant	Screened Out
Phalaropus tricolor	Wilson's phalarope	Screened Out
Phaloropus fulicarius	Red phalorope	Screened Out
Phaseolous supinus	Supine Bean	Screened Out
Phaseolus parvulus	Pinos Altos Mountain Bean	Screened Out
Phaseolus ritensis	Santa Rita Mountain Bean	Screened Out
Phemeranthus validulus	Western Flame-flower	Retained
Philadelphus crinitus	Bearded Mock-orange, Trans Pecos	Screened Out
,	Mock-orange	
Philadelphus madrensis	Madrean Mockorange	Screened Out
Philotiella speciosa	Small Blue	Screened Out
Phlox amabilis	Arizona Phlox	Retained
Phlox cluteana	Navajo Mountain Phlox	Screened Out
Phlox griseola	Grayleaf Phlox	Screened Out
Phlox griseola ssp. griseola	Grayleaf Phlox	Screened Out
Phlox tenuifolia	Santa Catalina Mountains Phlox	Screened Out
Pholisma arenarium	Pholisma	Screened Out
Pholisma sonorae	Sand Food	Screened Out
Pholistoma auritum var. arizonicum	Arizona Pholistoma	Screened Out
Phoradendron bolleanum ssp. pauciflorum	Fir Mistletoe	Screened Out
Phrynosoma hernandesi	Hernandez short horned lizard	Screened Out
Phrynosoma mcallii	Flat-tailed Horned Lizard	Screened Out
Phrynosoma platyrhinos goodei	Goode's Desert Horned Lizard	Screened Out
Phyciodes batesii anasazi	Canyon Crescent	Screened Out
Phyllorhynchus browni lucidus	Maricopa Leafnose Snake	Screened Out
Physalis carassifolia vari. crassifolia	Greene Ground-cherry	Screened Out
Physalis caudella	Southwestern Ground-cherry	Screened Out
Physalis latiphysa	Broad-leaf Ground-cherry	Screened Out
Physaria newberryi	Newberry's Twinpod	Screened Out
Physaria newberryi var. newberryi		Screened Out
Physaria newberryi var. racemosa		Screened Out
Physcia albinea		Screened Out
Physcia callosa		Screened Out
Physella humerosa	Corkscrew Physa	Screened Out
Physella osculans	Cayuse Physa	Screened Out
Pica hudsonia	Black-billed magpie	Screened Out
Picea pungens	Blue spruce	Screened Out
Picoides arizonae	Arizona woodpecker	Screened Out
Picoides dorsalis	Three-toed woodpecker	Screened Out
Picoides pubescens	Downy woodpecker	Screened Out
Picoides villosus	Hairy woodpecker	Screened Out
Pinaropappus roseus var. foliosus		Screened Out
Pinicola enucleator	Pine grosbeak	Screened Out
Pinus aristata	Bristlecone Pine	Screened Out
Pinus arizonica var. arizonica	Arizona pine	Screened Out
Pinus arizonica var. stormiae	Pino Real	Screened Out
Pipilo aberti	Abert's Towhee	Screened Out
Pipilo chlorurus	Green-tailed towhee	Retained
Piranga flava	Hepatic tanager	Screened Out
Piruna polingii	Four-spotted Skipperling	Retained
Plagiobothrys pringlei	Pringle Popcorn-flower	Screened Out
Plagiochasma wrightii		Screened Out
Plagopterum argentissimus	Woundfin	Screened Out

Scientific Name	Common Name	In Or Out
Plantago bigelovii ssp. californica		Screened Out
Platanthera zothecina	Alcove Bog-orchid	Screened Out
Platyvelia summersi	Summers' Small Water Strider	Screened Out
Plebejus glandon punctatus	Arctic Blue	Screened Out
Plegadis chihi	White-faced ibis	Screened Out
Pluvialis dominica	American golden-plover	Screened Out
Pluvialis squatarola	Black-belliled plover	Screened Out
Podiceps auritus	Horned grebe	Screened Out
Podiceps nigricollis	Eared grebe	Screened Out
Poecile atricapillus	Black-capped chickadee	Screened Out
Poeciliopsis occidentalis	Sonoran topminnow	Screened Out
Poeciliopsis occidentalis occidentalis	Gila topminnow	Screened Out
Poeciliopsis occidentalis sonoriensis	Yaqui Topminnow	Screened Out
Pohlia drummondii		Screened Out
Polemonium foliosissimum var. flavum	Leafy Jacob's Ladder	Screened Out
Polemonium pauciflorum ssp. hinckleyi	Hinckley Jacob's-ladder	Screened Out
Polemonium pulcherrimum ssp. delicatum	Beautiful Jacob's Ladder	Screened Out
Polemonium viscosum	Sticky polemonium	Screened Out
Polioptila nigriceps	Black-capped gnatcatcher	Screened Out
Polycentropus arizonensis	A Caddisfly	Screened Out
Polycentropus gertschi	A Caddisfly	Screened Out
Polygala intermontana	Intermountain Milkwort	Screened Out
Polygala lindheimeri var. parvifolia	Tweedy Milkwort	Screened Out
Polygala rusbyi	Rusby's Milkwort	Screened Out
Polygonum polygaloides ssp. confertiflorum	Dense-flower Knotweed	Screened Out
Polystichum scopulinum	Mountain holly fern	Screened Out
Populus tremuloides	Quaking aspen	Screened Out
Porterella carnosula	Western Porterella	Screened Out
Porzana carolina	Sora	Screened Out
Potamogeton latifolius	Broad-leaf Pondweed	Screened Out
Potentilla albiflora	White-flowered Cinquefoil	Screened Out
Potentilla crinita	Bearded Cinquefoil	Screened Out
Potentilla crinita var. crinita		Screened Out
Potentilla crinita var. lemmonii	Bearded Cinquefoil	Retained
Potentilla glandulosa ssp. arizonica		Screened Out
Potentilla subviscosa var. ramulosa		Screened Out
Potentilla subviscosa var. subviscosa		Screened Out
Potentilla thurberi	Thurber's Cinquefoil	Screened Out
Potentilla thurberi var. atrorubens		Screened Out
Potentilla thurberi var. sanguinea	Thurber's Cinquefoil	Screened Out
Potentilla thurberi var. thurberi		Screened Out
Potentilla wheeleri	Wheeler's Cinquefoil	Screened Out
Primula specuicola	Cave-dwelling primrose	Screened Out
Progne subis arboricola	Purple martin (Western)	Retained
Prorocorypha snowi	Snow's Toothpick Grasshopper	Screened Out
Proserpinus terlooii	Terloo's Sphinx	Screened Out
Prosperpinus vega	Vega Sphinx	Screened Out
Protonotaria citrea	Prothonotary warbler	Screened Out
Protoptila balmorhea	Balmorhea Saddle-case Caddisfly	Screened Out
Psathyrotes pilifera	Hairy-beast Brittle-stem	Screened Out
Psephenus montanus	White Mountains Water Penny Beetle	Screened Out
Psephernus arizonensis	Arizona Water Penny Beetle	Screened Out
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Scientific Name	Common Name	In Or Out
Pseudacris regilla	Pacific chorus frog	Screened Out
Pseudacris triseriata	Western chorus frog	Screened Out
Pseudocopaeodes eunus	Alkali Skipper	Screened Out
Pseudocopaeodes eunus eunus	Alkali Skipper	Screened Out
Pseudogarypus hypogeus	A Cave Obligate Pseudoscorpion	Screened Out
Psilactis gentryi	Gentry's Bare-ray-aster	Screened Out
Psoralidium junceum	Rush Scurf Pea	Screened Out
Psorothamnus arborescens var. pubescens	Mojave Indigo-bush	Screened Out
Psorothamnus arborescens var. pubescens		Screened Out
Psorothamnus fremontii var. attenuatus		Screened Out
Psorothamnus schottii	Schott's Psorothamnus	Screened Out
Psorothamnus scoparius	Broom dalea	Screened Out
Psorothamnus thompsoniae	Thompson's Indigo-bush	Screened Out
Psorothamnus thompsoniae var. whitingii	Whiting Indigo Bush	Screened Out
Ptelea trifoliata var. lutescens	Pale Yellow Hoptree	Screened Out
Pternohyla fodiens	Lowland burrowing treefrog	Screened Out
Pteryxia davidsonii	Davidson's Wavewing	Screened Out
Ptomaphagus cocytus	A Cave Obligate Beetle	Screened Out
Ptychocheilus lucius	Colorado Pikeminnow	Screened Out
Ptychomitrium leibergii		Screened Out
Puccinellia parishii	Parish's Alkali Grass	Screened Out
Puma concolor	Mountain lion	Screened Out
Puma concolor browni	Yuma Mountain Lion	Screened Out
Purshia subintegra	Arizona Cliffrose	Screened Out
Pygarctia flavidorsalis		Screened Out
Pygarctia neomexicana		Screened Out
Pyrgulopsis arizonae	Bylas Springsnail	Screened Out
Pyrgulopsis bacchus	Grand Wash Springsnail	Screened Out
Pyrgulopsis bernardina	San Bernadino Springsnail	Screened Out
Pyrgulopsis conica	Kingman Springsnail	Screened Out
Pyrgulopsis deserta	Desert Springsnail	Screened Out
Pyrgulopsis glandulosa	Verde Rim Springsnail	Screened Out
Pyrgulopsis montezumensis	Montezuma Well Springsnail	Screened Out
Pyrgulopsis morrisoni	Page springsnail	Screened Out
Pyrgulopsis simplex	Fossil Springsnail	Screened Out
Pyrgulopsis sola	Brown Springsnail	Screened Out
Pyrgulopsis thompsoni	Huachuca Springsnail	Screened Out
Pyrgulopsis trivialis	Black River Springsnail	Screened Out
Pyrgus xanthus	Mountain Checkered-skipper	Screened Out
		Screened Out
Pyrrocoma crocea var. genuflexa Quercus ajoensis	Ajo Mountain Scrub Oak	Screened Out
Quercus havaradii var. tuckeri Radiocentrum chiricahuana	Havard Oak Chircahua Mountainsnail	Screened Out Screened Out
	Cave Creek Mountainsnail	
Radiocentrum clappi Radiodiscus millecostatus	Ribbed Pinwheel	Screened Out Screened Out
Radiodiscus miliecostatus Rallus limicola	Virginia rail	Screened Out
	Yuma clapper rail	
Rallus longirostris yumanensis		Screened Out
Rana blairi Bana astashaiana	Plains leopard frog	Screened Out
Rana catesbeiana	bullfrog	Screened Out
Rana chiricahuensis	Chiricahua Leopard Frog	Screened Out
Rana pipiens	Northern leopard frog	Retained
Rana yavapaiensis	Lowland leopard frog	Screened Out

Scientific Name	Common Name	In Or Out
Ranunculus eschscholtzii	Eschscholtz's buttercup	Screened Out
Ranunculus hydrocharoides var. stolonifera	Frog's-bit Buttercup	Screened Out
Ranunculus inamoenus	Graceful buttercup	Screened Out
Ranunculus inamoenus var. subaffinis	A Buttercup	Screened Out
Ranunculus oreogenes	Oregon Buttercup	Retained
Ranunculus pedatifidus	Surefoot buttercup	Screened Out
, Ranunculus uncinatus	Woodland buttercup	Screened Out
Rattus norvegicus	Norway rat	Screened Out
Recurvirostra americana	American avocet	Screened Out
Regulus calendula	Ruby-crowned kinglet	Screened Out
Regulus satrapa	Golden-crowned kinglet	Retained
Reithrodontomys montanus	Plains harvest mouse	Screened Out
Rhamnus crocea ssp. pilosa		Screened Out
Rhamnus serrata	Sawleaf buckthorn	Screened Out
Rhinanthus minor	little yellowrattle	Screened Out
Rhinichthys cobitis	Loach Minnow	Screened Out
Rhinichthys osculus	Speckled dace	Screened Out
Rhithrogena plana	A Mayfly	Screened Out
Rhus trilobata var. racemulosa	skunkbush sumac	Screened Out
Rhyacophila chordata	A Caddisfly	Screened Out
Rhynchopsitta pachyrhyncha	Thick-billed parrot	Screened Out
Ribes pinetorum	Orange Gooseberry	Screened Out
Ribes guercetorum	Oakwoods gooseberry	Screened Out
Robinia neomexicana var. rusbyi	New Mexico locust	Screened Out
Rosa manca	Mancos Rose	Screened Out
Rosa stellata	Desert rose	Screened Out
Rosa stellata ssp. abyssa	Grand Canyon Rose	Retained
Rubus leucodermis	Whitebark raspberry	Screened Out
Rumex nematopodus	Arizona Dock	Screened Out
Rumex orthoneurus	Blumer's Dock	Screened Out
Salix arizonica	Arizona willow	Screened Out
Salix bebbiana	Bebb's willow	Retained
Salvia amissa	Catalina Mountain Sage	Screened Out
Salvia arizonica	Arizona Sage	Screened Out
Salvia anzonica Salvia davidsonii	Davidson Sage	
Salvia davidsonii Salvia dorrii ssp. mearnsii	Verde Valley Sage	Screened Out
	, <u>,</u>	Screened Out
Salvia pachyphylla	Blue sage	Screened Out
Salvia parryi	Perry Sage	Screened Out
Samolus vagans	Chiricahua Mountain Brookweed	Screened Out
Satyrium saepium latalinea	Hedgerow Hairstreak	Screened Out
Sauromalus ater pop. 1	Glen Canyon Chuckwalla	Screened Out
Saxifraga caespitosa ssp. exaratoides	Tufted saxifrage	Screened Out
Saxifraga cespitosa	Tufted alpine saxifrage	Screened Out
Saxifraga flagellaris	Spider saxifrage	Screened Out
Sayornis phoebe	Eastern phoebe	Screened Out
Sceloporus clarkii vallaris	Plateau Spiny Lizard	Screened Out
Sceloporus slevini	Slevin's bunchgrass lizard	Screened Out
Schizura biedermani	A Notodontid Moth	Screened Out
Sciurus aberti	Abert's Squirrel	Retained
Sciurus aberti chuscensis	Chuska squirrel	Screened Out
Sciurus aberti kaibabensis	Kaibab tree squirrel	Retained
Sciurus arizonensis	Arizona gray squirrel	Screened Out

Scientific Name	Common Name	In Or Out
Sciurus nayaritensis	Mexican fox squirrel	Screened Out
Sciurus navaritensis chiricahuae	Chiricahua Squirrel	Screened Out
Sclerocactus erectocentrus	Red-spine Butterfly-cactus	Screened Out
Sclerocactus erectocentrus var. 1	Acuna Cactus	Screened Out
Sclerocactus johnsonii	Johnson's Fish-hook Cactus	Screened Out
Sclerocactus papyracanthus		Screened Out
Sclerocactus parviflorus ssp. intermedius	intermediate fishhook cactus	Screened Out
Sclerocactus sileri	Siler's Fish-hook Cactus	Screened Out
Scopelophila cataractae	Agoyan Cataract Moss	Screened Out
Scutellaria tessellata	Huachuca Mountains Skullcap	Screened Out
Sebastiania bilocularis	Arrow Poison	Screened Out
Sedum stelliforme	Huachuca Mountains Stonecrop	Screened Out
Seiurus aurocapilla	Ovenbird	Screened Out
Seiurus motacilla	Louisiana waterthrush	Screened Out
Seiurus noveboracensis	Northern waterthrush	Screened Out
Selaginella densa	Dense spikemoss	Screened Out
Selaginella leucobryoides	Mohave Spikemoss	Screened Out
Selaginella watsonii	Watson's spikemoss	Screened Out
Selasphorus sasin	Allen's hummingbird	Screened Out
Senecio bigelovii var. bigelovii	Nodding Ragwort	Screened Out
Senecio bigelovii var. hallii		Screened Out
Senecio multidentatus		Screened Out
Senecio multidentatus var. huachucanus	Huachuca Groundsel	Screened Out
Setaria arizonica	Arizona Foxtail	Screened Out
Setophaga ruticilla	American redstart	Screened Out
Shepherdia rotundifolia	Roundleaf Buffaloberry	Retained
Sialia mexicana	Western bluebird	Screened Out
Sialia sialis fulva	Eastern (azure) bluebird	Screened Out
Sicyosperma gracile		Screened Out
Sigmodon arizonae	Arizona cotton rat	Screened Out
Sigmodon arizonae plenus	Colorado River Cotton Rat	Screened Out
Sigmodon hispidus eremicus	Yuma Cotton Rat	Screened Out
Silene rectiramea	Grand Canyon Catchfly	Screened Out
Siphonoglossa longiflora	Long-flower Tubetongue	Screened Out
Sistrurus catenatus	Massasauga	Screened Out
Sistrurus catenatus edwardsii	Desert Massasagua	Screened Out
Sisyrinchium arizonicum	Arizona Blue-eyed-grass	Screened Out
Sisyrinchium longipes	Timberland Blue-eye-grass	Screened Out
Sitta pygmaea	Pygmy Nuthatch	Screened Out
Smicridea arizonensis	A Caddisfly	Screened Out
Smicridea dispar	A Caddisfly	Screened Out
Solanum lumholtzianum	Sonoran Nightshade	Screened Out
Sonorarctia fervida	A tiger moth	Screened Out
Sonorella ambigua verdensis	Papago Verde talussnail	Screened Out
Sonorella anchana	Sierra Ancha Talussnail	Screened Out
Sonorella apache	Apache Talussnail	Screened Out
Sonorella ashmuni	Richinbar Talussnail	Screened Out
Sonorella bagnarai	Rincon Talussnail	Screened Out
Sonorella barthschi	Escabrosa Talussnail	Screened Out
Sonorella bequaerti	Happy Valley Talussnail	Screened Out
Sonorella bicipitis	Dos Cabezas Talussnail	Screened Out
Sonorella binneyi	Horsehoe Canyon Talussnail	Screened Out

Scientific Name	Common Name	In Or Out
Sonorella bowiensis	Quartzite Hill Talussnail	Screened Out
Sonorella bradshaveana	Bradshaw Talussnail	Screened Out
Sonorella caerulifluminis	Blue Talussnail	Screened Out
Sonorella christenseni	Clark Peak Talussnail	Screened Out
Sonorella clappi	Madera Talussnail	Screened Out
Sonorella coloradoensis	Colorado River Talussnail	Screened Out
Sonorella coltoniana	Walnut Canyon Talussnail	Screened Out
Sonorella compar	Oak Creek Talussnail	Screened Out
Sonorella dalli	Garden Canyon Talussnail	Screened Out
Sonorella danielsi	Bear Canyon Talussnail	Screened Out
Sonorella delicata	Tollhouse Canyon Talussnail	Screened Out
Sonorella dragoonensis	Stronghold Canyon Talussnail	Screened Out
Sonorella eremita	San Xavier Talussnail	Screened Out
Sonorella ferrissi	Dragoon Talussnail	Screened Out
Sonorella franciscana	San Francisco River Talussnail	Screened Out
Sonorella galiurensis	Galiuro Talussnail	Screened Out
Sonorella grahamensis		Screened Out
Sonorella grahamensis superioris	Pinaleno Talussnail	Screened Out
Sonorella granulatissima	Ramsey Canyon Talussnail	Screened Out
Sonorella imitator	Mimic Talussnail	Screened Out
Sonorella imperatrix	Total Wreck Talussnail	Screened Out
Sonorella imperialis	Empire Mountain Talussnail	Screened Out
Sonorella insignis	Whetsone Talussnail	Screened Out
Sonorella macrophallus	Wet Canyon Talussnail	Screened Out
Sonorella magdalenensis	Sonoran Talussnail	Screened Out
Sonorella meadi	Aqua Dulce Talussnail	Screened Out
Sonorella micra	Pygmy Sonorella	Screened Out
Sonorella micromphala	Milk Ranch Talussnail	Screened Out
Sonorella mustang	Mustang Tallussnail	Screened Out
Sonorella neglecta	Portal Talussnail	Screened Out
Sonorella odorata	Pungent Talussnail	Screened Out
Sonorella optata	Big Emigrant Talussnail	Screened Out
Sonorella papagorum	Black Mountain Talussnail	Screened Out
Sonorella reederi	Rampart Talussnail	Screened Out
Sonorella rinconensis	Posta Quemada Talussnail	Screened Out
Sonorella rooseveltiana	Roosevelt Talussnail	Screened Out
Sonorella rosemontensis	Rosemont Talussnail	Screened Out
Sonorella russelli	Black Mesa Talussnail	Screened Out
Sonorella santaritana	Aqua Caliente Talussnail	Screened Out
Sonorella simmonsi	Picacho Talussnail	Screened Out
Sonorella superstitionis	Superstition Mountains Talussnail	Screened Out
Sonorella tortillita	Tortolita Talussnail	Screened Out
Sonorella tryoniana	Sanford Talussnail	Screened Out
Sonorella vespertina	Evening talussnail	Screened Out
Sonorella virilis	Chiricahua Talussnail	Screened Out
Sonorella waltoni	Doubtful Canyon Talussnail	Screened Out
Sonorella xanthenes	Kitt Peak Talussnail	Screened Out
Sophora arizonica	Arizona Necklace	Screened Out
Sorex merriami	Merriam's Shrew	Retained
Sorex nanus	Dwarf shrew	Retained
Sorex palustris	American water shrew	Screened Out
Spea intermontana	Great basin spadefoot	Retained
opou intornomunu	Stout busin spudoloot	Retuined

Scientific Name	Common Name	In Or Out
Spermophilus lateralis	Golden-mantled ground squirrel	Screened Out
Spermophilus spilosoma	Spotted ground squirrel	Screened Out
Spermophilus tridecemlineatus	Thirteen-lined ground squirrel	Screened Out
Spermophilus tridecemlineatus monticola	White Mountains Ground Squirrel	Screened Out
Speyeria atlantis schellbachi	Schellbach's Atlantis Fritillary	Screened Out
Speyeria mormonia luski	Atronis Fritillary	Screened Out
Speyeria nokomis	Nokomis Fritillary	Retained
Speyeria nokomis coerulescens	Bluish Fritillary	Screened Out
Speyeria nokomis nitocris	Nitocris Fritillary	Screened Out
Speyeria nokomis nokomis	Nokomis Fritillary	Retained
Sphaeralcea gierischii	Gierisch Globemallow	Screened Out
Sphingicampa raspa	A Royal Moth	Screened Out
Sphinx smithi	A Sphinx Moth	Screened Out
, Sphyrapicus nuchalis	Red-naped sapsucker	Retained
Sphyrapicus ruber	Red-breasted sapsucker	Screened Out
Sphyrapicus thyroideus	Williamson's sapsucker	Screened Out
Sphyrapicus varius	Yellow-bellied sapsucker	Screened Out
Spiranthes delitescens	Canelo Hills ladies'-tresses	Screened Out
Spiranthes romanzoffiana	Hooded lady's tresses	Screened Out
Spiza americana	Dickcissel	Screened Out
Spizella arborea	American tree sparrow	Screened Out
Spizella atrogularis	Black-chinned sparrow	Screened Out
Spizella breweri	Brewer's sparrow	Retained
Spizella pallida	Clay-colored sparrow	Screened Out
Sporobolus interruptus	Black Dropseed	Retained
Stachys rothrockii	Rothrock's Hedge-nettle	Retained
Stanley albescens	Arizona Prince-plume	Screened Out
Stellaria porsildii	Porsild's Starwort	Screened Out
Stenopelmatus navajo	Navajo Jerusalem Cricket	Screened Out
Stephanomeria schottii	Schott's Wire-lettuce	Screened Out
Stephanomeria thurberi	Thurber's Skeletonplant	Screened Out
Stereocaulon nanodes	a lichen	Screened Out
Sterna antillarum	Least tern	Screened Out
Sterna caspia	Caspian tern	Screened Out
Sterna forsteri	Forster's tern	Screened Out
Stevia lemmonii	Lemmon's Stevia	Screened Out
Stevia plummerae	Plummer's Stevia	Screened Out
Stevia plummerae var. alba		Screened Out
Stevia plummerae var. plummerae		Screened Out
Stipa coronata	Giant Needlegrass	Screened Out
Streptanthus carinatus ssp. arizonicus	Arizona Twistflower	Screened Out
Streptanthus carinatus ssp. carinatus		Screened Out
Streptopelia decaocto	Eurasian collared dove	Screened Out
Streptopus amplexifolius		Screened Out
Strix occidentalis lucida	Mexican Spotted Owl	Retained
Sturnus vulgaris	European starling	Screened Out
Stygobromus arizonensis	Arizona Cave Amphipod	Screened Out
Stygobromus blinni	Blinn's amphipod	Screened Out
Stygobromus boultoni	Boulton's Amphipod	Screened Out
Sylvilagus floridanus	Eastern cottontail	Screened Out
Symmerista zacualpana	A notodontid moth	Screened Out
eyninonota zaolalpana		Screened Out

Scientific Name	Common Name	In Or Out
Symphyotrichum potosinum	Santa Rita Mountain Aster	Screened Out
Tachycineta bicolor	Tree swallow	Screened Out
Taenionema jacobii	A Stonefly	Screened Out
Talinum gooddingii	Goodding's Flameflower	Screened Out
Talinum humile	Pinos Altos Mountains Flameflower	Screened Out
Talinum marginatum	Tepic Flameflower	Screened Out
Tamiasciurus hudsonicus	Red Squirrel	Retained
Tamiasciurus hudsonicus grahamensis	Mt Graham Red Squirrel	Screened Out
Tantilla hobartsmithi	Smith's black-headed snake	Screened Out
Tantilla wilcoxi	Chihuahuan black-headed snake	Screened Out
Tantilla yaquia	Yaqui black-headed snake	Screened Out
Taxidea taxis	Badger	Screened Out
Tayassu tajacu	Javelina	Screened Out
Tayloria acuminata	acuminate dung moss	Screened Out
Tayloria splachnoides	splachnoid dung moss	Screened Out
Tetraneuris argentea	Perkysue	Screened Out
Tetraneuris verdiensis	A Hymenoxys	Screened Out
Thalictrum dasycarpum	Purple meadow-rue	Screened Out
Thamnophis eques	Mexican gartersnake	Screened Out
Thamnophis rufipunctatus	Narrow-headed gartersnake	Screened Out
Thelypodiopsis ambigua	Long Valley Tumble Mustard	Screened Out
Thelypodiopsis ambigua var. ambigua	Long Valley tumblemustard	Retained
Thelypodiopsis ambigua var. erecta		Screened Out
Thelypodium integrifolium ssp. longicarpum		Screened Out
Thelypteris puberula	Showy maidenfern	Retained
Thelypteris puberula var. sonorensis	Aravaipa Wood Fern	Screened Out
Thomomys talpoides kaibabensis	Kaibab northern pocket gopher	Retained
Thomomys ubrinus intermedius	Southern Pocket Gopher	Screened Out
Thymoites minero	A Cave Obligate Pseudoscorpion	Screened Out
Thymophylla concinna	Sonoran Dogweed	Screened Out
Thysanophora hornii	Southwestern Fringed-snail	Screened Out
Tinodes parvulus	A Caddisfly	Screened Out
Tiquilia canescens var. pulchella		Screened Out
Tiquilia latior	Matted Tiquilia	Screened Out
Townsendia formosa	New Mexico Townsend-daisy	Screened Out
Townsendia jonesii var. jonesii	Jones Grounddaisy	Screened Out
Townsendia smithii	Black Rock Ground-daisy	Screened Out
Toxostoma bendirei	Bendire's thrasher	Screened Out
Toxostoma crissale	Crissal thrasher	Screened Out
Toxostoma lecontei	LeConte's thrasher	Screened Out
Toxostoma rufum	Brown thrasher	Screened Out
Trachemys scripta	Pond (red)slider	Screened Out
Tragia laciniata	Sonoita Noseburn	Screened Out
Trautvetteria caroliniensis	Carolina bugbane	Screened Out
Tricoryhyphes condylus	A Mayfly	Screened Out
Trifolium andinum	Intermountain Clover	Screened Out
Trifolium andinum var. andinum	Intermountain Clover	Screened Out
Trifolium kingii ssp. macilentum		Screened Out
Trifolium mucronatum ssp. lacerum		Screened Out
Trifolium neurophyllum	Mogollon Clover	Screened Out
Trifolium pinetorum	Pinewoods Clover	Screened Out
Trimerotropis arizonensis	A Grasshopper	Screened Out

Scientific Name	Common Name	In Or Out
Tringa solitaria	Solitary sandpiper	Screened Out
Tripterocalyx carneus var. wootonii	Winged Sand-verbena	Screened Out
Triteleia lemmoniae	Oak Creek Triteleia	Retained
Triteleiopsis palmeri	Blue Sand Lily	Screened Out
Troglodytes troglodytes	Winter wren	Screened Out
Trogon elegans	Elegant trogon	Screened Out
Tryonia gilae	Gilae Tryonia	Screened Out
Tryonia quitobaquitae	Quitobaquito Tryonia	Screened Out
Tuberochernes ubicki	A Cave Obligate Pseudoscorpion	Screened Out
Turdus rufopalliatus	Rufous-backed robin	Screened Out
Tyrannus crassirostris	Thick-billed kingbird	Screened Out
Tyrannus melanchonicus	Tropical kingbird	Screened Out
Tyrannus vociferans	Cassin's kingbirds	Screened Out
Úma notata	Colorado Desert Fringe-toed Lizard	Screened Out
Uma rufopunctata	Yuman Desert Fringe-toed Lizard	Screened Out
Uma scoparia	Mojave Fringe-toed Lizard	Screened Out
Urosaurus graciosus shannoni	Arizona Long-tailed Brush Lizard	Screened Out
Ursus americanus	Black bear	Screened Out
Ursus arctos	Grizzly Bear	Screened Out
Utricularia vulgaris	Common bladderwort	Screened Out
Vanclevea stylosa	Vanclevea	Screened Out
Various	Aquatic macroinvertebrates	Screened Out
Vauquelinia californica ssp. californica		Screened Out
Vauquelinia californica ssp. pauciflora	Arizona Limestone Rosewood	Screened Out
Vauquelinia californica ssp. sonorensis	Sonoran Mountain Rosewood	Screened Out
Verbena pinetorum	Chihuahua Vervain	Screened Out
Vermivora celata	Orange-crowned warbler	Retained
Vermivora luciae	Lucy's warbler	Screened Out
Vermivora peregrina	Tennessee warbler	Screened Out
Vermivora virginiae	Virginia's warbler	Screened Out
Vertigo berryi		Screened Out
Vertigo hinkleyi	Heart Vertigo	Screened Out
Viguiera dentata var. lancifolia		Screened Out
Viguiera triloba	Gray's Zaluzania	Screened Out
Viola charlestonensis	Charleston Violet	Screened Out
Viola umbraticola	Ponderosa Violet	Screened Out
Viola umbraticola var. glaberrima		Screened Out
Vireo bellii	Bell's vireo	Screened Out
Vireo bellii arizonae	Arizona Bell's vireo	Screened Out
Vireo olivaceous	Red-eyed vireo	Screened Out
Vireo plumbeous	Plumbeous vireo	Screened Out
Vireo vicinior	Gray vireo	Retained
Vulpes macrotis	Kit fox	Screened Out
Vulpes vulpes	Red Fox	Screened Out
Wilsonia citrina	Hooded warbler	Screened Out
Woodsia cochisensis	Cochise Woodsia	Screened Out
Woodsia phillipsii	Phillip's Cliff Fern	Screened Out
Wormaldia arizonensis	A Caddisfly	Screened Out
Xanthoparmelia ajoensis		Screened Out
Xanthoparmelia dissensa		Screened Out
Xanthoparmelia huachucensis	Huachuca xanthoparmelia lichen	Screened Out
Xanthoparmelia maricopensis		Screened Out

Scientific Name	Common Name	In Or Out
Xanthoparmelia nigropsomifera	Xanthoparmelia lichen	Screened Out
Xanthoparmelia tucsonensis		Screened Out
Xantoparmelia huachucensis		Screened Out
Xantusia arizonae	Arizona Night Lizard	Screened Out
Xantusia bezyi	Bezy's Night Lizard	Screened Out
Xema sabini	Sabine's gull	Screened Out
Xylorhiza tortifolia var. tortifolia		Screened Out
Xyrauchen texanus	Razorback sucker	Screened Out
Yucca angustissima var. kanabensis		Screened Out
Yucca elata var. utahensis		Screened Out
Yucca whipplei var. caespitosa		Screened Out
Zappus hudonius	Meadow jumping mouse	Screened Out
Zapus hudsonius luteus	New Mexican Jumping Mouse	Screened Out
Zenaida asiatica	White-winged dove	Screened Out
Zenaida macroura	mourning dove	Screened Out
Zonotrichia albicollis	White-throated sparrow	Screened Out
Zonotrichia atricapilla	Golden-crowned sparrow	Screened Out
Zonotrichia leucophyrs	White-crowned sparrow	Screened Out
Zonotrichia querula	Harris' sparrow	Screened Out
Zuckia brandegeei var. arizonica	Brandegee siltbush	Screened Out
Zumatrichia notosa	A Caddisfly	Screened Out

## APPENDIX C: Species carried forward for further analysis, their associated habitat types, and status category.

<u>Headings.</u> CWRF: Cottonwood-Willow Riparian Forest; DC: Desert Communities; DMC: Dry Mixed Conifer; GOS: Gambel Oak Shrubland; GBG: Great Basin Grassland; MCA: Mixed Conifer with Aspen; MSG: Montane Subalpine Grassland; PJW: Pinyon Juniper Woodland; PPF: Ponderosa Pine Forest; SbS: Sagebrush Shrubland; SdG: Semi-desert Grassland; SFF: Spruce Fir Forest; W/C: Wetland / Cienega; W: Water; Multi: Multi-PNVT; Status: threatened or endangered, species of concern, or species of interest.

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	PPF	SbS	SdG	SFF	W/C	W	Multi	Status
Birds																	
	Accipiter gentilis			1						1							SOI
	Amphispiza belli										1						SOI
	Baeolophus ridgwayi								1								SOI
	Buteo regalis					1						1					SOI
	Cardellina rubrifrons			1			1										SOI
	Coccothraustes vespertinus			1			1										SOI
	Contopus cooperi			1			1			1			1				SOI
	Dendragapus obscurus						1						1				SOI
	Dendroica graciae									1							SOI
	Dendroica nigrescens								1								SOI
	Falco peregrinus anatum															1	SOC
	Gymnogyps californianus															1	T&E
	Gymnorhinus cyanocephalus								1								SOI
	Haliaeetus leucocephalus									1				1	1		SOC
	Melanerpes lewis									1							SOI
	Oporornis tolmiei			1			1			1							SOI
	Oreoscoptes montanus										1						SOI
	Passerculus sandwichensis					1		1									SOI
	Pipilo chlorurus			1													SOI
	Progne subis arboricola									1							SOI

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	PPF	SbS	SdG	SFF	W/C	M	Multi	Status
Тала	Regulus satrapa						1						1				SOI
	Sphyrapicus nuchalis						1						-				SOI
	Spizella breweri		1				1				1						SOI
	Strix occidentalis lucida		1	1							1						T&E
	Vermivora celata			1			1										SOI
	Vireo vicinior			-			-		1								SOI
	# of Birds / Habitat	0	1	8	0	2	8	1	4	7	3	1	3	1	1	2	201
Fish		Ŭ	-	Ū	Ŭ	_	0	-	•			-	C	-	-	_	
	Oncorhynchus apache														1		T&E
	# of Fish / Habitat														1		
Repti	es and Amphibians																
-	Bufo microscaphus	1												1	1		SOI
	Crotalus cerberus				1				1	1		1					SOI
	Eumeces skiltonianus								1	1							SOI
	Hyla wrightorum									1				1	1		SOI
	Lampropeltis pyromelana infralabialis				1				1	1							SOC
	Lampropeltis triangulum					1						1					SOI
	Rana pipiens													1	1		SOI
	Spea intermontana					1			1		1			1	1		SOI
	# of Reptiles and Amphibians / Habitat	1			2	2			4	4	1	2		4	4		
Invert	tebrates																
	Acrolophitus nevadensis									1							SOC
	Aeshna persephone									1				1	1		SOC
	Callophrys sheridanii comstocki								1		1						SOC
	Cicindela terricola kaibabensis							1									SOI
	Libellula nodisticta													1	1		SOC
	Papilio indra kaibabensis			1		1			1								SOC
	Piruna polingii							1						1			SOC

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	PPF	SbS	SdG	SFF	W/C	M	Multi	Status
	Speyeria nokomis			1			1			1				1			SOC
	Speyeria nokomis nokomis			1			1			1				1			SOC
	# of Invertebrates / Habitat			3		1	2	2	2	4	1			5	2		
Mam	mals																
	Antilocapra americana					1					1	1					SOI
	Corynorhinus townsendii pallescens															1	SOI
	Cynomys gunnisoni					1						1					SOI
	Dipodomys microps leucotis		1			1						1					SOI
	Euderma maculatum					1		1			1	1					SOI
	Eumops perotis californicus							1									SOI
	Idionycteris phyllotis			1						1							SOI
	Microtus longicaudus							1									SOI
	Microtus mogollonensis navaho					1		1									SOI
	Myotis auriculus			1			1			1							SOI
	Neotamias minimus consobrinus						1						1				SOI
	Nyctinomops macrotis		1					1	1		1						SOI
	Ovis canadensis nelsoni		1														SOI
	Sciurus aberti									1							SOI
	Sciurus aberti kaibabensis									1							SOI
	Sorex merriami leucogenys			1						1							SOI
	Sorex nanus							1									SOI
	Tamiasciurus hudsonicus						1						1				SOI
	Thomomys talpoides kaibabensis						1	1					1				SOI
	# of Mammals / Habitat		3	3		5	4	7	1	5	3	4	3			1	
Plants	5																
	Actaea arizonica						1										SOC
	Agave utahensis var. kaibabensis		1						1								SOC
	Agave utahensis var. utahensis					1											SOC

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	PPF	SbS	SdG	SFF	W/C	W	Multi	Status
Тала	Allium bigelovii		1									1					SOC
	Aquilegia caerulea var. pinetorum		1				1					1	1				SOC
	Arenaria aberrans						1	1					1				SOC
-	Asclepias hallii							1	1								SOC
	Asclepias quinquedentata								1	1							SOL
	Astragalus amphioxys var. modestus								1	1	1						SOC
	Astragalus ampillarius		1						1		1						SOC
	Astragalus cremnophylax var. hevronii		1						1								SOC
	Astragalus cremnophylax var. nevronii Astragalus cremnophylax var. myriorraphis		1	1					1								SOC
	Astragalus episcopus var. lancearius			1					1		1						SOC
	Astragalus episcopus var. tancearius Astragalus humistratus var. tenerrimus								1	1	1		1				SOC
	Astragalus humistratus var. tenerrimus Astragalus lentiginosus var. oropedii								1	1			1				SOC
	Astragalus lentiginosus var. oropean Astragalus lentiginosus var. vitreus					1			1	1	1						SOC
	Astragalus teninginosus var. viireus Astragalus pinonis var. atwoodii					1			1		1						SOC
	Astragalus pinonis var. aiwooan Astragalus rusbyi						1		1	1							SOC
-	Astragalus rusbyi Astragalus subcinereus			1			1		1	1							SOC
	Astragalus subcinereus Astragalus titanophilus			1		1			1	1							SOC
						1			1	1							
	Astragalus troglodytus							1	1	1			1				SOC
	Botrychium echo							1	1				1				SOC
	Camissonia gouldii							1	1								SOC
	Carex oreocharis							1									SOC
	Castilleja kaibabensis							1	1		1						SOC
	Chrysothamnus molestus								1	1	1						SOC
	Cirsium rothrockii																SOC
	Clematis hirsutissima var. hirsutissima	1							4								SOI
	Cleome lutea var. jonesii	1							1								SOC
	Cordylanthus wrightii ssp. kaibabensis								1								SOC
	Cryptantha abata								1	1	1						SOC

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	ppF	SbS	SdG	SFF	W/C	M	Multi	Status
Тала	Cystopteris utahensis								1	1							SOC
	Draba asprella var. asprella								1	1							SOC
	Draba asprella var. kaibabensis								1	1							SOC
	Draba asprella var. stelligera								1	1							SOC
	Draba rectifructa						1			1							SOC
	Erigeron saxatilis						1			1							SOC
	Eriogonum corymbosum var. glutinosum								1	1							SOC
	Eriogonum darrovii					1			1								SOC
	Eriogonum ericifolium var. pulchrum					1			1	1							SOC
	Eriogonum jonesii								1	1	1						SOC
	Eriogonum mortonianum								1		1						SOC
	Eriogonum thompsoniae var. atwoodii										1						SOC
	Escobaria vivipara var. kaibabensis								1		1						SOC
	Gaillardia parryi								1								SOC
	Hedeoma diffusa								-	1							SOC
	Helianthus arizonensis								1	-							SOI
	Heuchera novomexicana								-								SOC
	Ivesia arizonica									1							SOC
	Ivesia arizonica var. arizonica									1							SOC
	Lepidium montanum var. glabrum		1						1	-							SOC
	Lesquerella arizonica		-						1	1							SOC
	Lesquerella kaibabensis							1	1	-							SOC
	Lotus mearnsii var. mearnsii		1					-				1					SOC
	Macromeria viridiflora var. viridiflora		-							1		-					SOC
	Mertensia macdougalii									1							SOC
	Moneses uniflora						1			1			1				SOI
	Myosurus nitidus						-			1							SOC
	Nuphar lutea													1	1		SOI

Taxa	Scientific Name	CWRF	DC	DMC	GOS	GBG	MCA	MSG	PJW	PPF	SbS	SdG	SFF	W/C	M	Multi	Status
	Pediocactus paradinei					1			1		1						SOC
	Pediocactus peeblesianus var. fickeiseniae					1					1						SOC
	Pediomelum mephiticum		1									1					SOC
	Penstemon caespitosus var. desertipicti								1								SOC
	Penstemon laevis								1	1							SOC
	Penstemon nudiflorus								1	1							SOC
	Penstemon pseudoputus							1		1							SOC
	Penstemon rydbergii							1									SOI
	Perityle congesta									1							SOC
	Perityle gracilis = Laphamia gracilis								1								SOC
	Phacelia serrata									1							SOC
	Phemeranthus validulus = Talinum validulum								1	1							SOC
	Phlox amabilis								1	1							SOC
	Potentilla crinita var. lemmonii									1							SOC
	Ranunculus oreogenes									1							SOC
	Rosa stellata ssp. abyssa								1		1						SOC
	Salix bebbiana													1			SOI
	Shepherdia rotundifolia								1								SOC
	Sporobolus interruptus							1		1							SOC
	Stachys rothrockii								1	1							SOC
	Thelypodiopsis ambigua var. ambigua		1						1								SOC
	Thelypteris puberula	1															SOI
	Triteleia lemmoniae									1							SOC
	# of Plants / Habitat	2	8	2		6	5	8	37	36	12	3	4	2	1		

## APPENDIX D: Description of threats not associated with Ecosystem Diversity Characteristics.

- Inappropriate timber harvest: Some timber harvest practices can modify habitat components in the forest to a degree that the harvested area becomes unsuitable habitat for desired species.
- Collection/harvest: Collecting specimens for research or personal use, or harvesting legally hunted game species.
- Fragmentation: Habitat fragmentation can be caused by activities on land in other ownership, roads, fencing, and areas of concentrated use by people.
- Disease: One frog species is susceptible to a serious fungal disease that can be transmitted by human activities, bighorn sheep are susceptible to multiple diseases transmitted by domestic sheep and goats, and prairie dogs are susceptible to plague.
- Livestock grazing on aspen, wetland vegetation, and facilitation of nest parasitism: Inappropriate livestock use can alter or inhibit growth of woody and herbaceous plants, and facilitate the spread of brown-headed cowbird nest parasitism.
- Nonnative / Invasive species: Non-native species threaten native species through competition, predation, and hybridization.
- Ungulate herbivory: At high population densities, elk and mule deer herbivory can alter or inhibit growth of woody and herbaceous plants (e.g., aspen, cliffrose, grassland and wetland vegetation).