

RESULTS OF THE **THIRTEENTH** ANNUAL  
IDAHO RARE PLANT CONFERENCE

Sponsored by the

**IDAHO NATIVE PLANT SOCIETY**

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REVISION OF THE INPS RARE PLANT LIST CATEGORIES

The U.S. Fish and Wildlife Service (USFWS) revised its candidate system in 1995. The Category 1, Category 2, and Category 3 designations were abandoned. There are now only Candidate species, with no subcategories. Some former C1 and C2 species, as well as other globally rare species, are now categorized as “Species of Concern” by the USFWS in Idaho. The only Idaho rare plant on the newly adopted USFWS Candidate list is *Castilleja christii*. In light of these changes, the Idaho Native Plant Society (INPS) revised the way it assigns conservation ranks. The Idaho Rare Plant List is split into three major groups:

GLOBALLY RARE = Species and varieties (taxa) rare throughout their range.

STATE RARE = Taxa rare within the political boundaries of Idaho, but more common elsewhere.

REVIEW = Global and State rare taxa which may be of conservation concern in Idaho, but for which we have insufficient data upon which to base a recommendation regarding their appropriate classification.

Global ranks are used to assign taxa to the first two groups using a system developed by the The Nature Conservancy and employed by the Natural Heritage and Conservation Data Center network. This is a one-through-five ranking system, with G1-G3 taxa being GLOBALLY RARE, and taxa being rare in Idaho, but having a G4 and G5 global ranking, being STATE RARE.

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## GLOBALLY RARE SPECIES

Globally Rare species are assigned to one of three categories: Global Priority 1 (G1), Global Priority 2 (G2), or Global Priority 3 (G3). Global ranks are defined below. In addition, each globally rare species receives a Threat Priority rank. This one-through-twelve rank is based on the old USFWS Listing Priority criteria and is explained below. The INPS will continue to recommend species for the federal Candidate list, and also for Conservation Agreements, as part of the Idaho Conservation Effort.

### DEFINITIONS

#### USFWS Status:

ENDANGERED = taxa in danger of extinction throughout all or a significant portion of their range (none in Idaho).

THREATENED = taxa likely to become endangered in the foreseeable future throughout all or a significant portion of their range.

CANDIDATE = taxa for which substantial biological information exists on file to support a proposal to list as Endangered or Threatened, but no proposal has yet been published in the Federal Register.

#### Global Rank:

G = Global rank indicator; denotes rank based on rangewide status.

T = Trinomial rank indicator; denotes rangewide status of variety or subspecies.

1 = Critically imperiled because of extreme rarity or because of some factor of its biology making it especially vulnerable to extinction (typically 5 or fewer occurrences).

2 = Imperiled because of rarity or because of other factors demonstrably making it very vulnerable to extinction (typically 6 to 20 occurrences).

3 = Rare or uncommon, but not imperiled (typically 21 to 100 occurrences).

4 = Not rare and apparently secure, but with cause for long-term concern (usually more than 100 occurrences).

5 = Demonstrably widespread, abundant, and secure.

#### Threat Priority:

| Priority | Taxonomy           | Threat    |              |
|----------|--------------------|-----------|--------------|
|          |                    | Magnitude | Immediacy    |
|          |                    | High      |              |
| 1        | Monotypic genus    |           |              |
| 2        | Species            |           | Imminent     |
| 3        | Subspecies/Variety |           |              |
|          |                    | Low       |              |
| 4        | Monotypic genus    |           |              |
| 5        | Species            |           | Non-imminent |
| 6        | Subspecies/Variety |           |              |
| 7        | Monotypic genus    |           |              |
| 8        | Species            |           | Imminent     |
| 9        | Subspecies/Variety |           |              |
| 10       | Monotypic genus    |           |              |
| 11       | Species            |           | Non-imminent |
| 12       | Subspecies/Variety |           |              |

### 1997 STATUS CHANGES

Usually an asterisk ( \* ) precedes the taxon name when a change in status was made during the Idaho Rare Plant Conference that year. Because so many species were rearranged on the global list from 1996 to 1997, asterisks do not appear this year for the Globally Rare species.

**TAXA BELIEVED TO BE GLOBALLY EXTINCT**

CAREX ABORIGINUM (GX)

**GLOBAL PRIORITY 1**

(global rank & threat priority in parentheses)

BOTRYCHIUM LINEARE (G1G2, ?)  
CASTILLEJA CHRISTII (*CANDIDATE*; G1, 8)  
CHRYSOTHAMNUS PARRYI SSP. MONTANUS (G5/T1, 9)  
CLADONIA ANDEREGGII (G1, ?) (lichen)  
COLLEMA CURTISPORUM (G1, ?) (lichen)  
ERIOGONUM MELEDONUM (G1, 11)  
LEPTODACTYLON PUNGENS SSP. HAZELLAE (G5/T1, 9)  
MIMULUS HYMENOPHYLLUS (G1, 11)  
MIMULUS WASHINGTONENSIS SSP. AMPLIATUS (G3T1,9)  
PENSTEMON IDAHOENSIS (G1, 2)  
PHACELIA INCONSPICUA (G1 ,5)  
PHLOX IDAHONIS (G1, 2)  
PHYSARIA DIDYMOCARPA VAR. LYRATA (G5/T1, 6)  
PRIMULA ALCALINA (G1, 8)  
SAXIFRAGA BRYOPHORA VAR. TOBIASIAE (G5/T1, 6)  
SPHAEROCARPOS HLANS (G1, ?) (liverwort)  
STANLEYA CONFERTIFLORA (G1 2)

**GLOBAL PRIORITY 2**

ANTENNARIA ARCUATA (G2, 5)  
ASTER JESSICAE (G2, 5)  
ASTRAGALUS ANSERINUS (G2, 8)  
ASTRAGALUS DIVERSIFOLIUS (G2, 11)  
ASTRAGALUS MULFORDIAE (G2, 2)  
ASTRAGALUS VEXILLIFLEXUS VAR. NUBILUS (G4/T2, 12)  
BOTRYCHIUM PARADOXUM (G2, ?)  
CALOCHORTUS MACROCARPUS MACULOSUS (G5/T2, 6)  
CAREX IDAHOA (G2, ?)  
CLADONIA LUTEOALBA (G2, 8) (lichen)  
CREPIS BAKERI SSP. IDAHOENSIS (G4T2, 6)  
CYMPTERUS ACAULIS VAR. GREELEYORUM (G5/T2, 12)  
DERMATOCARPON LORENZIANUM (G2,?) (lichen)  
DOUGLASIA IDAHOENSIS (G2, 11)  
DRABA TRICHOCARPA (G2, 11)  
ERIOGONUM CAPISTRATUM VAR. WELSHII (G4/T2, 9)  
ERIOGONUM SHOCKLEYI VAR. PACKARDAE (G5T2, 9)  
HAPLOPAPPUS LIATRIFORMIS (G2, 5)  
HOWELLIA AQUATILIS (*THREATENED*; G2)  
LEPIDIDIUM PAPILLIFERUM (G2, 2)  
LEPTODACTYLON GLABRUM (G2, 11)

LEWISIA KELLOGGII new Idaho var. (G4/T2, 3)  
MENTZELIA MOLLIS (G2, 2)  
MIMULUS PATULUS (G2, 2)  
MIRABILIS MACFARLANEI (*THREATENED*; G2)  
MUSINEON LINEARE (G2, 11)  
ORTHOTRICHUM HOLZINGERI (G2, ?) (moss)  
PENSTEMON COMPACTUS (G2G3, 8)  
POA ABREVIATA VAR. MARSHII (G5/T2, 12)  
RUBUS BARTONIANUS (G2, 8)  
SILENE SPALDINGII (G2, 2)  
SPIRANTHES DILUVIALIS (*THREATENED*; G2)  
TEXOSPORIUM SANCTI-JACOBI (G2, 1) (lichen)  
TRIFOLIUM PLUMOSUM VAR. AMPLIFOLIUM (G4/T2, 6)  
XANTHOPARMELIA IDAHOENSIS (G2, 8) (lichen)

**GLOBAL PRIORITY 3**

ALLIUM AASEAE (G3, 11)  
ALLIUM MADIDUM (G3, 8)  
ALLIUM TOLMIEI VAR. PERSIMILE (G4/T3, 12)  
ASTRAGALUS AMBLYTROPIS (G3, 11)  
ASTRAGALUS AMNIS-AMISSI (G3, 11)  
ASTRAGALUS AQUILONIUS (G3, 5)  
ASTRAGALUS ATRATUS VAR. INSEPTUS (G4T3, 12)  
ASTRAGALUS JEJUNUS VAR. JEJUNUS (G3/T3, 9)  
ASTRAGALUS ONICIFORMIS (G3, 11)  
ASTRAGALUS PAYSONII (G3, 11)  
ASTRAGALUS PURSHII VAR. OPHIOGENES (G5/T3, 12)  
ASTRAGALUS STERILIS (G3, 11)  
ASTRAGALUS YODER-WILLIAMSII (G3, 11)  
BOTRYCHIUM ASCENDENS (G3?, 8)  
BOTRYCHIUM CRENULATUM (G3?, 11)  
BOTRYCHIUM MONTANUM (G3, 8)  
BRYUM CALOBRYOIDES (G3, 2) (moss)  
CALAMAGROSTIS TWEEDYI (G3, 8)  
CALOCHORTUS NITIDUS (G3, 11)  
CAMISSONIA PALMERI (G3, 8)  
CARDAMINE CONSTANCEI (G3, 8)  
CASTILLEJA PULCHELLA (G3, 11)  
CHAENACTIS CUSICKII (G3, 8)  
CORYDALIS CASEANA VAR. HASTATA (G4/T3, 12)  
CRYPTANTHA CAESPITOSA (G3, 2)  
CYMPTERUS DAVISII (G3, 11)  
CYMPTERUS DOUGLASSII (G3, 11)  
CYPRIPIEDIUM FASCICULATUM (G4, 5)  
DASYNOTUS DAUBENMIREI (G3, 10)  
ERIGERON SALMONENSIS (G3, 11)  
ERIOGONUM OCHROCEPHALUM CALCAREUM (G4/T3, 6)

GRINDELIA HOWELLII (G3, 5)  
 HACKELIA CRONQUISTII (G3, 11)  
 HACKELIA DAVISII (G3, 11)  
 HACKELIA OPHIOBLA (G3, 11)  
 HALIMOLOBOS PERPLEXA VAR. PERPLEXA (G4/T3, 12)  
 HAPLOPAPPUS HIRTUS VAR. SONCHIFOLIUS (G4/T3, 6)  
 HAPLOPAPPUS INSECTICRURIS (G3, 11)  
 HAPLOPAPPUS RADIATUS (G3, 11)  
 JUNCUS TWEEDYI (G3, 11)  
 LEPIDIUM DAVISII (G3, 11)  
 LESQUERELLA PAYSONII (G3, 11)  
 LOMATIUM PACKARDIAE (G3, 8)  
 LOMATIUM SALMONIFLORUM (G3, 11)  
 OENOTHERA PSAMMOPHILA (G3, 11)  
 OXYTROPIS BESSEYI VAR. SALMONENSIS (G5/T3, 12)

PENSTEMON LEMHIENSIS (G3, 11)  
 PHACELIA MINUTISSIMA (G3, 11)  
 SULLIVANTIA HAPEMANII VAR. HAPEMANII (G3/T3, 12)  
 SYNTHYRIS PLATYCARPA (G3, 11)  
 TAUSCHIA TENUISSIMA (G3, 11)  
 THELYPODIUM REPANDUM (G3, 11)  
 THLASPI IDAHOENSE VAR. AILEENIAE (G4T3, 12)  
 (=THLASPI AILEENIAE)  
 TRIFOLIUM OWYHEENSE (G3, 11)  
 WALDSTEINIA IDAHOENSIS (G3, 11)

**INPS RECOMMENDATIONS TO THE U.S. FISH AND WILDLIFE SERVICE:**

The INPS suggests the following species be added to the Candidate list (in order of priority):

1. LEPIDIUM PAPILLIFERUM
2. TEXOSPORIUM SANCTI-JACOBI
3. ASTRAGALUS MULFORDIAE
4. SAXIFRAGA BRYOPHORA VAR. TOBLASIAE
5. ASTER JESSICAE
6. SILENE SPALDINGII
7. HAPLOPAPPUS LIATRIFORMIS
8. PHLOX IDAHONIS

The INPS recommends the completion or renewal of Conservation Agreements as part of the Idaho Conservation Effort. Globally rare species and status of their associated Conservation Agreements (CA) are as follows:

ALLIUM AASEAE - CA has expired; draft in progress  
 CASTILLEJA CHRISTII - CA completed  
 DRABA TRICHOCARPA - CA completed  
 ERIOGONUM MELODONUM - CA completed  
 HAPLOPAPPUS RADIATUS - draft CA in progress  
 LEPIDIUM DAVISII (Snake River Plains populations) - CA completed  
 LEPIDIUM PAPILLIFERUM and TEXOSPORIUM SANCTI-JACOBI - draft CA in progress  
 MENTZELIA MOLLIS (with ASTRAGALUS STERILIS, CHAENACTIS CUSICKII, & PHACELIA LUTEA CALVA) - draft CA in progress  
 PENSTEMON LEMHIENSIS - draft CA completed  
 PHLOX IDAHONIS - CA completed  
 PHYSARIA DIDYMOCARPA VAR. LYRATA - CA has expired  
 PRIMULA ALCALINA - draft CA completed  
 THELYPODIUM REPANDUM - CA has expired

The INPS recommends the following globally rare taxa are suitable for Conservation Agreements:

ASTRAGALUS ANSERINUS and PENSTEMON IDAHOENSIS (Goose Creek endemics group)  
ASTRAGALUS VEXILLIFLEXUS VAR. NUBILUS  
CALOCHORTUS NITIDUS  
CYPRIPEDIUM FASCICULATUM (Rocky Mountain populations)

### STATE RARE SPECIES

State Rare species are assigned to one of four categories: State Priority 1, State Priority 2, Sensitive, or Monitor. State Rare categories are defined below.

### DEFINITIONS

Possibly Extirpated = Taxa which are known in Idaho only from historical (pre-1920) records or are considered extirpated from the state.

State Priority 1 = A taxon in danger of becoming extinct or extirpated from Idaho in the foreseeable future if identifiable factors contributing to its decline continue to operate; these are taxa whose populations are present only at critically low levels or whose habitats have been degraded or depleted to a significant degree.

State Priority 2 = A taxon likely to be classified as Priority 1 within the foreseeable future in Idaho, if factors contributing to its population decline or habitat degradation or loss continue.

Sensitive = A taxon with small populations or localized distributions within Idaho that presently do not meet the criteria for classification as Priority 1 or 2, but whose populations and habitats may be jeopardized without active management or removal of threats.

Monitor = Taxa that are common within a limited range as well as those taxa which are uncommon, but have no identifiable threats (for example, certain alpine taxa).

### 1997 STATUS CHANGES

\* preceding a taxon name indicates a change in status was made during the 1997 meeting.

#### TAXA BELIEVED TO BE EXTIRPATED FROM IDAHO

ASPLENIUM TRICHOMANES  
ASTRAGALUS RIPARIUS  
NYMPHAEA LEIBERGII (= N. TETRAGONA)  
PAPAVER KLUANENSE  
VIBURNUM OPULUS VAR. AMERICANUM

ASTRAGALUS GILVIFLORUS  
ASTRAGALUS MICROCYSTIS  
ASTRAGALUS NEWBERRYI VAR. CASTOREUS  
ASTRAGALUS TETRAPTERUS  
ASTRAGALUS VEXILLIFLEXUS VAR. VEXILLIFLEXUS

#### STATE PRIORITY 1 SPECIES

ANDROMEDA POLIFOLIA  
ARTEMISIA CAMPESTRIS SSP. BOREALIS VAR. PURSHII  
ASPICILIA FRUITICULOSA (lichen)  
ASPLENIUM VIRIDE  
ASTRAGALUS BOURGOVII

BLEPHARIDACHNE KINGII  
BOUTELOUA GRACILIS  
BUXBAUMIA APHYLLA (moss)  
BUXBAUMIA PIPERI (moss)  
CAREX CHORDORRHIZA  
CAREX COMOSA  
CEANOTHUS PROSTRATUS  
CETRARIA SUBALPINA (lichen)  
CHRYSOSPLENIUM TETRANDRUM  
CLADONIA UNCIALIS

CLAYTONIA MULTISCAPA  
 (= C. LANCEOLATA VAR. FLAVA)  
 CLEOMELLA PLOCASPERMA  
 CORNUS NUTTALLII  
 CUSCUTA DENTICULATA  
 CYPRIPIEDIUM PARVIFLORUM  
 DOWNINGIA BACIGALUPII  
 DROSERIA INTERMEDIA  
 EPIPACTIS GIGANTEA  
 ERIOGONUM DESERTORUM  
 ERIOPHORUM VIRIDICARINATUM  
 HYMENOXYIS RICHARDSONII  
 LOMATOGONIUM ROTATUM  
 LUDWIGIA POLYCARPA  
 LYCOPODIELLA INUNDATA  
 MALANTHEMUM DILATATUM  
 MEESIA LONGISETA (moss)  
 MIMULUS ALSINOIDES  
 MUHLENBERGIA RACEMOSA  
 OXALIS TRILLIIFOLIA  
 PETERIA THOMPSONIAE  
 POLYPODIUM GLYCYRRHIZA  
 PRIMULA INCANA  
 PSATHYROTES ANNUA  
 PSORALEA PHYSODES  
 RANUNCULUS GELIDUS  
 RHYNCHOSPORA ALBA  
 RIBES SANGUINEUM  
 RUBUS SPECTABILIS  
 SCIRPUS HUDSONIANUS  
 SILENE URALENSIS SSP. MONTANA  
 SPOROBOLUS ASPER  
 TEUCRIUM CANADENSE VAR. OCCIDENTALE  
 THAMNOLIA VERMICULARIS (lichen)  
 THELYPTERIS NEVADENSIS  
 TRIANTHA OCCIDENTALIS SSP. BREVI-STYLA  
 (= TOFIELDIA GLUTINOSA VAR. BREVI-STYLA)

**STATE PRIORITY 2 SPECIES**

ALLIUM ANCEPS  
 BOTRYCHIUM LANCEOLATUM VAR. LANCEOLATUM  
 BOTRYCHIUM MINGANENSE  
 BOTRYCHIUM PINNATUM  
 BOTRYCHIUM SIMPLEX  
 CAREX INCURVIFORMIS VAR. INCURVIFORMIS  
 CAREX PAUPERCUA  
 CHAENACTIS STEVIOIDES

CLADONIA TRANSCENDENS (lichen)  
 COLLEMA FURFURACEUM (lichen)  
 COLLOMIA DEBILIS VAR. CAMPORUM  
 CRYPTANTHA BREVI-FLORA  
 DIMERESIA HOWELLII  
 DRABA FLADNIZENSIS  
 DRABA GLOBOSA (= DRABA APICULATA)  
 ELEOCHARIS TENUIS  
 ERIOGONUM SHOCKLEYI VAR. SHOCKLEYI  
 GAULTHERIA HISPIDULA  
 GENTIANELLA TENELLA  
 HOOKERIA LUCENS (moss)  
 HYPERICUM MAJUS  
 IPOMOPSIS POLYCLADON (= GILIA POLYCLADON)  
 \*KOBRESIA SIMPLICIUSCULA (from Monitor)  
 LOBARIA HALLII (lichen)  
 LOBARIA LINITA (lichen)  
 LOBARIA SCROBICULATA (lichen)  
 LUPINUS UNCLIALIS  
 PENSTEMON JANISHIAE  
 \*PENTAGRAMMA TRIANGULARIS (from Priority 1)  
 (= PITYROGRAMMA TRIANGULARIS)  
 PERAPHYLLUM RAMOSISSIMUM  
 PHACELIA LUTEA VAR. CALVA  
 PHEGOPTERIS CONNECTILIS  
 (= THELYPTERIS PHEGOPTERIS)  
 PHYSCIA SEMIPINNATA (lichen)  
 PICEA GLAUCA  
 PILOPHORUS ACICULARIS (lichen)  
 PIPTATHERUM MICRANTHUM  
 (= ORYZOPSIS MICRANTHA)  
 POLYSTICHUM BRAUNII  
 PSEUDOCYPHELLARIA ANTHRASPIS (lichen)  
 SALIX FARRIAE  
 \*SALIX GLAUCA (from Priority 1)  
 SALIX PEDICELLARIS  
 SALIX PSEUDOMONTICOLA  
 SCHEUCHZERIA PALUSTRIS  
 SPHAEROMERIA POTENTILLOIDES  
 SPHAGNUM MENDOCINUM (moss)  
 STIPA VIRIDULA  
 TOWNSENDIA SCAPIGERA  
 ULOTA MEGALOSPORA (moss)  
 VACCINIUM OXYCOCCOS

**STATE SENSITIVE SPECIES**

AGOSERIS LACKSCHEWITZII

ALLIUM VALIDUM  
ALLOTROPA VIRGATA  
ARGEMONE MUNITA  
ARNICA ALPINA VAR. TOMENTOSA  
\*ASTER JUNCIFORMIS (from Review)  
ASTRAGALUS BISULCATUS VAR. BISULCATUS  
ASTRAGALUS DRUMMONDII  
ASTRAGALUS LEPTALEUS  
ASTRAGALUS SALMONIS  
BETULA PUMILA VAR. GLANDULIFERA  
BLECHNUM SPICANT  
CAMISSONIA PTEROSPERMA  
CAREX BREWERI SSP. PADDOENSIS  
CAREX BUXBAUMII  
CAREX CALIFORNICA  
CAREX HENDERSONII  
CAREX LEPTALEA  
CAREX LIVIDA  
CAREX ROSTRATA  
CAREX STRAMINIFORMIS  
CAREX TUMULICOLA  
CATAPYRENIUM CONGESTUM (lichen)  
CICUTA BULBIFERA  
CORYPHANTHA VIVIPARA  
CYMOPTERUS IBAPENSIS  
DIPHASIASTRUM SITCHENSE  
    (= LYCOPODIUM SITCHENSE)  
DRABA INCERTA  
DRYOPTERIS CRISTATA  
EATONELLA NIVEA  
GLYPTOPLEURA MARGINATA  
HELODIUM BLANDOWII (moss)  
HYPOGYMNA APINNATA (lichen)  
JUNCUS HALLII  
LIMOSELLA ACAULIS  
LYCOPODIUM DENDROIDEUM  
    (= LYCOPODIUM OBSCURUM VAR. DENDROIDEUM)  
MERTENSIA BELLA  
NEMACLADUS RIGIDUS  
PHACELIA LYALLII  
POLYSTICHUM KRUCKEBERGII  
PSILOCARPHUS TENELLUS  
RANUNCULUS PYGMAEUS  
ROMANZOFFIA SITCHENSIS  
SALICORNIA RUBRA  
SALIX CANDIDA  
SANICULA GRAVEOLENS  
SANICULA MARILANDICA  
SAXIFRAGA CERNUA

SCIRPUS SUBTERMINALIS  
SPHAEROPHORUS GLOBOSUS (lichen)  
    (= SPHAEROPHORUS TUCKERMANNII)  
STREPTOPUS STREPTOPOIDES VAR. BREVIPES  
TELLIMA GRANDIFLORA  
TRIENTALIS ARCTICA  
\*VALLISNERIA AMERICANA (from Review)



## STATE MONITOR SPECIES

\*ADIANTUM ALEUTICUM (Idaho subalpine ecotype)  
(=A. PEDATUM) (from Sensitive)  
ASTRAGALUS VALLARIS  
CAMASSIA CUSICKI  
CAREX FLAVA  
CHRYSOTHAMNUS NAUSEOSUS SSP. NANUS  
DODECATHEON DENTATUM  
EBUROPHYTON AUSTINIAE  
EPILOBIUM PALUSTRE  
ERIGERON HUMILIS  
GENTIANELLA PROPINQUA  
IVESIA TWEEDYI  
LOMATIUM DISSECTUM VAR. DISSECTUM  
MACHAEROCARPUS CALIFORNICUS  
MIMULUS CLIVICOLA  
PARNASSIA KOTZEBUEI VAR. KOTZEBUEI  
PEDIOCACTUS SIMPSONII VAR. ROBUSTIOR  
PETASITES SAGITTATUS  
PHLOX KELSEYI VAR. KELSEYI  
RIBES WOLFII  
SAXIFRAGA ADSCENDENS VAR. OREGONENSIS  
\*SCUTELLARIA NANA VAR. NANA (from Sensitive)  
SEDUM BORSCHII  
SILENE SCAPOSA VAR. LOBATA  
STYLOCLINE FILAGINEA  
TAYLORIA SERRATA (moss)  
TELESONIX JAMESII  
THELYPODIUM LACINIATUM VAR. STREPTANTHOIDES  
TRIENTALIS LATIFOLIA

## REVIEW SPECIES

Review = Global or State rare taxa which may be of conservation concern, but for which we have insufficient data upon which to base a recommendation regarding their appropriate classification.

|                                     |                     |
|-------------------------------------|---------------------|
| ANEMONE CYLINDRICA                  | BACOPA ROTUNDIFOLIA |
| *ARABIS HASTATULA (new)             | BOTRYCHIUM LUNARIA  |
| ARABIS LASIOCARPA                   | CALANDRINIA CILIATA |
| ASPLENIUM SEPTENTRIONALE            | CAREX ABRUPTA       |
| ASTRAGALUS CONJUNCTUS               | CAREX AENEA         |
| ASTRAGALUS CUSICKII VAR. PACKARDIAE | CAREX CRAWEI        |
|                                     | CAREX EBENEA        |

CAREX LACUSTRIS  
CAREX LUZULINA VAR. ATROPURPUREA (new)  
CAREX MISANDRA  
CAREX OCCIDENTALIS  
CAREX XERANTICA  
CASSIOPE MERTENSIANA VAR. MERTENSIANA  
CHRYSOTHAMNUS HUMILIS  
CRYPTANTHA PROPRIA  
CRYPTANTHA SIMULANS  
CYPERUS RIVULARIS  
EQUISETUM SCIRPOIDES  
ERIOGONUM HOOKERI  
ERIOGONUM SALICORNIODES  
ERIOGONUM SP. NOVUM (WAR EAGLE)  
\*HABENARIA ORBICULATA (new)  
HACKELIA SP. NOVA (SLEEPING DEER)  
HAPLOPAPPUS BLOOMERI  
HAPLOPAPPUS INTEGRIFOLIUS SSP. INTEGRIFOLIUS  
HAPLOPAPPUS RACEMOSUS VAR. GLOMERELLUS  
HAPLOPAPPUS UNIFLORUS VAR. HOWELLII  
(= HAPLOPAPPUS UNIFLORUS VAR. LINEARIS)  
\*HETEROTHECA BARBATA (new)  
\*HETEROTHECA VILLOSA VAR. DEPRESSA (new)  
IRIS VERSICOLOR  
JUNCUS HEMIENDYTUS VAR. ABJECTUS  
JUNCUS TIEHMII  
JUNCUS VASEYI  
KOBRESIA BELLARDII  
LESQUERELLA MULTICEPS  
LITHOPHRAGMA TENELLUM VAR. THOMPSONII  
MACHAERANTHERA SHASTENSIS VAR. LATIFOLIA  
MENTZELIA CONGESTA  
MIMULUS EVANESCENS  
  
MIMULUS RINGENS  
OROGENIA FUSIFORMIS  
PECTOCARYA SETOSA  
PENSTEMON SEORSUS  
PLATANThERA OBTUSATA (= HABENARIA OBTUSATA)  
POTAMOGETON DIVERSIFOLIUS  
POTENTILLA BIPINNATIFIDA  
PRIMULA BROADHEADEA  
PRIMULA CUSICKIANA  
PRIMULA WILCOXIANA  
RHINANTHUS MINOR (=R. CRISTA-GALLI)  
SCIRPUS FLUVIATILIS  
SEDUM RUPICOLUM  
SILENE SUKSDORFII  
SOLANUM HETERODOXUM

SOLIDAGO SPECTABILIS  
STANLEYA VIRIDIFLORA  
SYMPHORICARPOS OREOPHILUS VAR. PARISHII  
THALICTRUM DASYCARPUM  
THELYPODIUM FLEXUOSUM  
THELYPODIUM PANICULATUM  
TRIFOLIUM LONGIPES VAR. MULTIPEDUNCULATUM  
TRIFOLIUM MICRODON  
ULOTA CURVIFOLIA (moss)  
\*ZAUSCHNERIA GARRETTII (new)

*TAXA DROPPED FROM CONSIDERATION IN IDAHO  
1997*

AGROSTIS OREGONENSIS -found not to occur in Idaho  
ELAEAGNUS COMMUTATA - found to be common  
ERIGERON RYDBERGII - found to be common  
ERIOGONUM DOUGLASII VAR. DOUGLASII -found not to  
occur in Idaho  
ERIOGONUM OCHROCEPHALUM VAR. NOVUM (SOUTH  
MOUNTAIN) - invalid taxon  
LOBELIA KALMII - no documented occurrences in Idaho  
PINUS ALBICAULIS - found to be common  
SENECIO STREPTANTHIFOLIUS VAR. LAETIFLORUS -  
invalid taxon