

3. The tag shall be placed directly over the knot in the cord and the ends pressed firmly together sealing the knot so that it cannot be removed for reuse.
4. The protected native plant seal shall be placed directly over the knot and snapped firmly closed, sealing the knot.
5. The imported seal shall be attached directly to the plant.
6. Upon loading the plant, every effort shall be made to allow visibility of the tag during transport.

Historical Note

New Section recodified from R3-4-607 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Amended by final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).

R3-3-1108. Recordkeeping; Salvage Assessed and Harvest Restricted Native Plants

- A. Salvage Assessed Native Plants.**
1. A permittee shall maintain a record of each protected native plant removed under an annual permit for two years from the date of each transaction and allow Department inspection of the records during normal business hours. The transaction record shall include the date salvage restricted protected native plants were removed and the permit and tag numbers.
 2. Annually, by January 31, a permittee shall submit to the Department a copy of each transaction record for the prior calendar year.
- B. Harvest Restricted Native Plants.** A permittee shall submit to the Department by the tenth day of each month the transaction records for the previous month, or a written statement that no transactions were conducted for that month.

Historical Note

New Section recodified from R3-4-608 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Amended by final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).

R3-3-1109. Arizona Native Plant Law Education

- A.** The Department may schedule seminars and training courses on an as-needed basis.
- B.** In addition to the following fees, charges for printed materials or pamphlets shall be assessed based upon printing and mailing costs:
1. A person attending a seminar or training course on Arizona native plant law shall pay a nonrefundable fee of \$10 to the Department before attending the class.
 2. A person convicted of violating Arizona native plant laws and ordered by a court to attend a native plant educational class shall pay a nonrefundable fee of \$25 to the Department before attending the class. The Department shall provide written confirmation of satisfactory completion to a person ordered by a court to attend a class.

Historical Note

New Section recodified from R3-4-609 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Amended by final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).

R3-3-1110. Permit Denial

Upon notice of denial of a permit, an applicant may request, in writing, that the Department provide an administrative hearing under A.R.S. Title 41, Chapter 6, Article 10, to appeal the denial.

Historical Note

New Section recodified from R3-4-610 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Amended by

final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).

R3-3-1111. Repealed**Historical Note**

New Section recodified from R3-4-611 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Repealed by final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).

Appendix A. Protected Native Plants by Category

- A.** Highly safeguarded native plants as prescribed in A.R.S. § 3-903(B)(1), for which removal is not allowed except as provided in R3-3-1105:

AGAVACEAE Agave Family

Agave arizonica Gentry & Weber—Arizona agave
Agave delamateri Hodgson & Slauson
Agave murpheyi Gibson—Hohokam agave
Agave parviflora Torr.—Santa Cruz striped agave, Small-flowered agave
Agave phillipsiana Hodgson
Agave schottii Engelm. var. *treleasei* (Toumey) Kearney & Peebles

APIACEAE Parsley Family. [= Umbelliferae]

Lilaeopsis schaffneriana (Schlecht.) Coult. & Rose ssp. *recurva* (A. W. Hill) Affolter—Cienega false rush, Huachuca water umbel.
 Syn.: *Lilaeopsis recurva* A. W. Hill

APOCYNACEAE Dogbane Family

Amsonia kearneyana Woods.—Kearney's bluestar
Cycladenia humilis Benth. var. *jonesii* (Eastw.) Welsh & Atwood—Jones' cycladenia

ASCLEPIADACEAE Milkweed Family

Asclepias welschii N. & P. Holmgren—Welsh's milkweed

ASTERACEAE Sunflower Family [= Compositae]

Erigeron lemmonii Gray—Lemmon fleabane
Erigeron rhizomatus Cronquist—Zuni fleabane
Senecio franciscanus Greene—San Francisco Peaks groundsel
Senecio huachucanus Gray—Huachuca groundsel

BURSERACEAE Torch Wood Family

Bursera fagaroides (H.B.K.) Engler—Fragrant bursera

CACTACEAE Cactus Family

Carnegiea gigantea (Engelm.) Britt. & Rose—Saguaro: 'Crested' or 'Fan-top' form
 Syn.: *Cereus giganteus* Engelm.
Coryphantha recurvata (Engelm.) Britt. & Rose—Golden-chested beehive cactus
 Syn.: *Mammillaria recurvata* Engelm.
Coryphantha robbinsorum (W. H. Earle) A. Zimmerman—Cochise pincushion cactus, Robbin's cory cactus.
 Syn.: *Cochiseia robbinsorum* W.H. Earle
Coryphantha scheeri (Kuntze) L. Benson var. *robustispina* (Schott) L. Benson—Scheer's strong-spined cory cactus.
 Syn.: *Mammillaria robustispina* Schott

- Echinocactus horizontalonius* Lemaire var. *nicholii* L. Benson–Nichol’s Turk’s head cactus
- Echinocereus triglochidiatus* Engelm. var. *arizonicus* (Rose ex Orcutt) L. Benson–Arizona hedgehog cactus
- Echinomastus erectocentrus* (Coul.) Britt. & Rose var. *acunensis* (W.T. Marshall) L. Benson–Acuna cactus
Syn.: *Neolloydia erectocentra* (Coul.) L. Benson var. *acunensis* (W. T. Marshall) L. Benson
- Pediocactus bradyi* L. Benson–Brady’s pincushion cactus
- Pediocactus paradinei* B. W. Benson–Paradine plains cactus
- Pediocactus peeblesianus* (Croizat) L. Benson var. *fickeiseniae* L. Benson
- Pediocactus peeblesianus* (Croizat) L. Benson var. *peeblesianus* Peebles’ Navajo cactus, Navajo plains cactus
Syn.: *Navajoa peeblesiana* Croizat
- Pediocactus sileri* (Engelm.) L. Benson–Siler pincushion cactus
Syn.: *Utahia sileri* (Engelm.) Britt. & Rose
- COCHLOSPERMACEAE Cochlospermum Family
Amoreuxia gonzalezii Sprague & Riley
- CYPERACEAE Sedge Family
Carex specuicola J. T. Howell–Navajo sedge
- FABACEAE Pea Family [=Leguminosae]
Astragalus cremnophylax Barneby var. *cremnophylax* Sentry milk vetch
Astragalus holmgreniorum Barneby–Holmgren milk-vetch
Dalea tentaculoides Gentry–Gentry indigo bush
- LENNOACEAE Lennoa Family
Pholisma arenarium Nutt.–Scaly-stemmed sand plant
Pholisma sonora (Torr. ex Gray) Yatskievych–Sandfood, sandroot
Syn.: *Ammobroma sonora* Torr. ex Gray
- LILIACEAE Lily Family
Allium gooddingii Ownbey–Goodding’s onion
- ORCHIDACEAE Orchid Family
Cypripedium calceolus L. var. *pubescens* (Willd.) Correll–Yellow lady’s slipper
Hexalectris warnockii Ames & Correll–Texas purple spike
Spiranthes delitescens C. Sheviak
- POACEAE Grass Family [=Gramineae]
Puccinellia parishii A.S. Hitchc.–Parish alkali grass
- POLYGONACEAE Buckwheat Family
Rumex orthoneurus Rech. f.
- PSILOTACEAE Psilotum Family
Psilotum nudum (L.) Beauv. Bush Moss, Whisk Fern
- RANUNCULACEAE Buttercup Family
Cimicifuga arizonica Wats.–Arizona bugbane
- Clematis hirsutissima* Pursh var. *arizonica* (Heller) Erickson–Arizona leatherflower
- ROSACEAE Rose Family
Purshia subintegra (Kearney) J. Hendrickson–Arizona cliffrose, Burro Creek cliffrose
Syn.: *Cowania subintegra* Kearney
- SALICACEAE Willow Family
Salix arizonica Dorn–Arizona willow
- SCROPHULARIACEAE Figwort Family
Penstemon discolor Keck–Variegated beardtongue
- B.** Salvage restricted native plants as prescribed in A.R.S. § 3-903(B)(2) that require a permit for removal. In addition to the plants listed under Agavaceae, Cactaceae, Liliaceae, and Orchidaceae, all other species in these families are salvage restricted protected native plants:
- AGAVACEAE Agave Family
Agave chrysantha Peebles
Agave deserti Engelm. ssp. *simplex* Gentry–Desert agave
Agave mckelveyana Gentry
Agave palmeri Engelm.
Agave parryi Engelm. var. *couseii* (Engelm. ex Trel.) Kearney & Peebles
Agave parryi Engelm. var. *huachucensis* (Baker) Little ex L. Benson
Syn.: *Agave huachucensis* Baker
Agave parryi Engelm. var. *parryi*
Agave schottii Engelm. var. *schottii* – Shindigger
Agave toumeyana Trel. ssp. *bella* (Breitung) Gentry
Agave toumeyana Trel. ssp. *toumeyana*
Agave utahensis Engelm. spp. *kaibabensis* (McKelvey) Gentry
Syn.: *Agave kaibabensis* McKelvey
Agave utahensis Engelm. var. *utahensis*
Yucca angustissima Engelm. var. *angustissima*
Yucca angustissima Engelm. var. *kanabensis* (McKelvey) Reveal
Syn.: *Yucca kanabensis* McKelvey
Yucca arizonica McKelvey
Yucca baccata Torr. var. *baccata*–Banana yucca
Yucca baccata Torr. var. *vespertina* McKelvey
Yucca baileyi Woot. & Standl. var. *intermedia* (McKelvey) Reveal
Syn.: *Yucca navajoa* Webber
Yucca brevifolia Engelm. var. *brevifolia*–Joshua tree
Yucca brevifolia Engelm. var. *jaegeriana* McKelvey
Yucca elata Engelm. var. *elata*–Soaptree yucca, palmilla
Yucca elata Engelm. var. *utahensis* (McKelvey) Reveal
Syn.: *Yucca utahensis* McKelvey
Yucca elata Engelm. var. *verdiensis* (McKelvey) Reveal
Syn.: *Yucca verdiensis* McKelvey
Yucca harrimaniae Trel.

- Yucca schidigera* Roehl.–Mohave yucca, Spanish dagger
Yucca schottii Engelm.–Hairy yucca
Yucca thornberi McKelvey
Yucca whipplei Torr. var. *whipplei*–Our Lord’s candle
 Syn.: *Yucca newberryi* McKelvey
- AMARYLLIDACEAE Amaryllis Family
Zephyranthes longifolia Hemsl.–Plains Rain Lily
- ANACARDIACEAE Sumac Family
Rhus kearneyi Barkley–Kearney Sumac
- ARECACEAE Palm Family [=Palmae]
Washingtonia filifera (Linden ex Andre) H. Wendl–California fan palm
- ASTERACEAE Sunflower Family [=Compositae]
Cirsium parryi (Gray) Petrak ssp. *mogollonicum* Schaak
Cirsium virginensis Welsh–Virgin thistle
Erigeron kuschei Eastw.–Chiricahua fleabane
Erigeron piscaticus Nesom–Fish Creek fleabane
Flaveria macdougalii Theroux, Pinkava & Keil
Perityle ajoensis Todson–Ajo rock daisy
Perityle cochisensis (Niles) Powell–Chiricahua rock daisy
Senecio quaerens Greene–Gila groundsel
- BURSERACEAE Torch-Wood Family
Bursera microphylla Gray–Elephant tree, torote
- CACTACEAE Cactus Family
Carnegiea gigantea (Engelm.) Britt. & Rose–Saguaro
 Syn.: *Cereus giganteus* Engelm.
Coryphantha missouriensis (Sweet) Britt. & Rose
Coryphantha missouriensis (Sweet) Britt. & Rose var. *marstonii* (Clover) L. Benson
Coryphantha scheeri (Kuntze) L. Benson var. *valida* (Engelm.) L. Benson
Coryphantha strobiliformis (Poselger) var. *orcuttii* (Rose) L. Benson
Coryphantha strobiliformis (Poselger) var. *strobiliformis*
Coryphantha vivipara (Nutt.) Britt. & Rose var. *alversonii* (Coult.) L. Benson
Coryphantha vivipara (Nutt.) Britt. & Rose var. *arizonica* (Engelm.) W. T. Marshall
 Syn.: *Mammillaria arizonica* Engelm.
Coryphantha vivipara (Nutt.) Britt. & Rose var. *bisbeeana* (Orcutt) L. Benson
Coryphantha vivipara (Nutt.) Britt. & Rose var. *deserti* (Engelm.) W. T. Marshall
 Syn.: *Mammillaria chlorantha* Engelm.
Coryphantha vivipara (Nutt.) Britt. & Rose var. *rosea* (Clokey) L. Benson
Echinocactus polycephalus Engelm. & Bigel. var. *polycephalus*
Echinocactus polycephalus Engelm. & Bigel. var. *xeranthemoides* Engelm. ex Coult.
- Syn.: *Echinocactus xeranthemoides* Engelm. ex Coult.
Echinocereus engelmannii (Parry ex Engelm.) Lemaire var. *acicularis* L. Benson
Echinocereus engelmannii (Parry ex Engelm.) Lemaire var. *armatus* L. Benson
Echinocereus engelmannii (Parry ex Engelm.) Lemaire var. *chrysocentrus* L. Benson
Echinocereus engelmannii (Parry ex Engelm.) Lemaire var. *engelmannii*
Echinocereus engelmannii (Parry) Lemaire var. *variegatus* (Engelm.) Engelm. ex Rümpler
Echinocereus fasciculatus (Engelm. ex B. D. Jackson) L. Benson var. *fasciculatus*
 Syn.: *Echinocereus fendleri* (Engelm.) Rümpler var. *fasciculatus* (Engelm. ex B. D. Jackson) N. P. Taylor, *Echinocereus fendleri* (Engelm.) Rümpler var. *robusta* L. Benson; *Mammillaria fasciculata* Engelm.
Echinocereus fasciculatus (Engelm. ex B. D. Jackson) L. Benson var. *bonkeriae* (Thornber & Bonker) L. Benson.
 Syn.: *Echinocereus boyce-thompsonii* Orcutt var. *bonkeriae* Peebles; *Echinocereus fendleri* (Engelm.) Rümpler var. *bonkeriae* (Thornber & Bonker) L. Benson
Echinocereus fasciculatus (Engelm. ex B. D. Jackson) L. Benson var. *boyce-thompsonii* (Orcutt) L. Benson
 Syn.: *Echinocereus boyce-thompsonii* Orcutt
Echinocereus fendleri (Engelm.) Rümpler var. *boyce-thompsonii* (Orcutt) L. Benson
Echinocereus fendleri (Engelm.) Rümpler var. *fendleri*
Echinocereus fendleri (Engelm.) Rümpler var. *rectispinus* (Peebles) L. Benson
Echinocereus ledingii Peebles
Echinocereus nicholii (L. Benson) Parfitt.
 Syn.: *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *nicholii* L. Benson
Echinocereus pectinatus (Scheidw.) Engelm. var. *dasyacanthus* (Engelm.) N. P. Taylor
 Syn.: *Echinocereus pectinatus* (Scheidw.) Engelm. var. *neomexicanus* (Coult.) L. Benson
Echinocereus polyacanthus Engelm. (1848) var. *polyacanthus*
Echinocereus pseudopectinatus (N. P. Taylor) N. P. Taylor
 Syn.: *Echinocereus bristolii* W. T. Marshall var. *pseudopectinatus* N. P. Taylor, *Echinocereus pectinatus* (Scheidw.) Engelm. var. *pectinatus sensu* Kearney and Peebles, Arizona Flora, and L. Benson, The Cacti of Arizona and The Cacti of the United States and Canada.
Echinocereus rigidissimus (Engelm.) Hort. F. A. Haage.
 Syn.: *Echinocereus pectinatus* (Scheidw.) Engelm. var. *rigidissimus* (Engelm.) Engelm. ex Rümpler–Rainbow cactus
Echinocereus triglochidiatus Engelm. var. *gonacanthus* (Engelm. & Bigel.) Boiss.

- Echinocereus triglochidiatus* Engelm. var. *melanacanthus* (Engelm.) L. Benson
Syn.: *Mammillaria aggregata* Engelm.
- Echinocereus triglochidiatus* Engelm. var. *mojavensis* (Engelm.) L. Benson
- Echinocereus triglochidiatus* Engelm. var. *neomexicanus* (Standl.) Standl. ex W. T. Marshall.
Syn.: *Echinocereus triglochidiatus* Engelm. var. *polyacanthus* (Engelm. 1859 non 1848) L. Benson
- Echinocereus triglochidiatus* Engelm. var. *triglochidiatus*
- Echinomastus erectocentrus* (Coult.) Britt. & Rose var. *erectocentrus*
Syn.: *Neolloydia erectocentra* (Coult.) L. Benson var. *erectocentra*
- Echinomastus intertextus* (Engelm.) Britt. & Rose
Syn.: *Neolloydia intertexta* (Engelm.) L. Benson
- Echinomastus johnsonii* (Parry) Baxter–Beehive cactus
Syn.: *Neolloydia johnsonii* (Parry) L. Benson
- Epithelantha micromeris* (Engelm.) Weber ex Britt. & Rose
- Ferocactus cylindraceus* (Engelm.) Orcutt var. *cylindraceus*–Barrel cactus
Syn.: *Ferocactus acanthodes* (Lemaire) Britt. & Rose var. *acanthodes*
- Ferocactus cylindraceus* (Engelm.) Orcutt var. *eastwoodiae* (Engelm.) N. P. Taylor
Syn.: *Ferocactus acanthodes* (Lemaire) Britt. & Rose var. *eastwoodiae* L. Benson; *Ferocactus eastwoodiae* (L. Benson) L. Benson
- Ferocactus cylindraceus* (Engelm.) Orcutt. var. *lecontei* (Engelm.) H. Bravo
Syn.: *Ferocactus acanthodes* (Lemaire) Britt. & Rose var. *lecontii* (Engelm.) Lindsay; *Ferocactus lecontei* (Engelm.) Britt. & Rose
- Ferocactus emoryi* (Engelm.) Orcutt–Barrel cactus
Syn.: *Ferocactus covillei* Britt. & Rose
- Ferocactus wislizenii* (Engelm.) Britt. & Rose–Barrel cactus
- Lophocereus schottii* (Engelm.) Britt. & Rose–Senita
- Mammillaria grahamii* Engelm. var. *grahamii*
- Mammillaria grahamii* Engelm. var. *oliviae* (Orcutt) L. Benson
Syn.: *Mammillaria oliviae* Orcutt
- Mammillaria heyderi* Mühlenpf. var. *heyderi*
Syn.: *Mammillaria gummifera* Engelm. var. *applanata* (Engelm.) L. Benson
- Mammillaria heyderi* Mühlenpf. var. *macdougalii* (Rose) L. Benson
Syn.: *Mammillaria gummifera* Engelm. var. *macdougalii* (Rose) L. Benson; *Mammillaria macdougalii* Rose
- Mammillaria heyderi* Mühlenpf. var. *meiacantha* (Engelm.) L. Benson
Syn.: *Mammillaria gummifera* Engelm. var. *meiacantha* (Engelm.) L. Benson
- Mammillaria lasiacantha* Engelm.
- Mammillaria mainiae* K. Brand.
- Mammillaria microcarpa* Engelm.
- Mammillaria tetrancistra* Engelm.
- Mammillaria thornberi* Orcutt
- Mammillaria viridiflora* (Britt. & Rose) Bödeker.
Syn.: *Mammillaria oestra* L. Benson
- Mammillaria wrightii* Engelm. var. *wilcoxii* (Toumey ex K. Schumann) W. T. Marshall
Syn.: *Mammillaria wilcoxii* Toumey
- Mammillaria wrightii* Engelm. var. *wrightii*
- Opuntia acanthocarpa* Engelm. & Bigel. var. *acanthocarpa*–Buckhorn cholla
- Opuntia acanthocarpa* Engelm. & Bigel. var. *coloradensis* L. Benson
- Opuntia acanthocarpa* Engelm. & Bigel. var. *major* L. Benson
Syn.: *Opuntia acanthocarpa* Engelm. & Bigel. var. *ramosa* Peebles
- Opuntia acanthocarpa* Engelm. & Bigel. var. *thornberi* (Thornber & Bonker) L. Benson
Syn.: *Opuntia thornberi* Thornber & Bonker
- Opuntia arbuscula* Engelm.–Pencil cholla
- Opuntia basilaris* Engelm. & Bigel. var. *aurea* (Baxter) W. T. Marshall–Yellow beavertail
Syn.: *Opuntia aurea* Baxter
- Opuntia basilaris* Engelm. & Bigel. var. *basilaris*–Beavertail cactus
- Opuntia basilaris* Engelm. & Bigel. var. *longiareolata* (Clover & Jotter) L. Benson
- Opuntia basilaris* Engelm. & Bigel. var. *treleasei* (Coult.) Toumey
- Opuntia bigelovii* Engelm.–Teddy-bear cholla
- Opuntia campii* ined.
- Opuntia canada* Griffiths (*O. phaeacantha* Engelm. var. *laevis* X *major* and *O. gilvescens* Griffiths).
- Opuntia chlorotica* Engelm. & Bigel.–Pancake prickly-pear
- Opuntia clavata* Engelm.–Club cholla
- Opuntia curvospina* Griffiths
- Opuntia echinocarpa* Engelm. & Bigel.–Silver cholla
- Opuntia emoryi* Engelm.–Devil cholla
Syn.: *Opuntia stanlyi* Engelm. ex B. D. Jackson var. *stanlyi*
- Opuntia engelmannii* Salm-Dyck ex Engelm. var. *engelmannii*–Engelmann’s prickly-pear
Syn.: *Opuntia phaeacantha* Engelm. var. *discata* (Griffiths) Benson & Walkington
- Opuntia engelmannii* Salm-Dyck ex Engelm. var. *flavospina* (L. Benson) Parfitt & Pinkava
Syn.: *Opuntia phaeacantha* Engelm. var. *flavispina* L. Benson
- Opuntia erinacea* Engelm. & Bigel. var. *erinacea*–Mohave prickly-pear
- Opuntia erinacea* Engelm. & Bigel. var. *hystricina* (Engelm. & Bigel.) L. Benson
Syn.: *Opuntia hystricina* Engelm. & Bigel.

- Opuntia erinacea* Engelm. & Bigel. var. *ursina* (Weber) Parish–Grizzly bear prickly-pear
Syn.: *Opuntia ursina* Weber
- Opuntia erinacea* Engelm. & Bigel. var. *utahensis* (Engelm.) L. Benson
Syn.: *Opuntia rhodantha* Schum.
- Opuntia fragilis* Nutt. var. *brachyarthra* (Engelm. & Bigel.) Coult.
- Opuntia fragilis* Nutt. var. *fragilis*–Little prickly-pear
- Opuntia fulgida* Engelm. var. *fulgida*–Jumping chain-fruit cholla
- Opuntia fulgida* Engelm. var. *mammillata* (Schott) Coult.
- Opuntia imbricata* (Haw.) DC.–Tree cholla
- Opuntia X kelvinensis* V. & K. Grant pro sp.
Syn.: *Opuntia kelvinensis* V. & K. Grant
- Opuntia kleiniae* DC. var. *tetracantha* (Toumey) W. T. Marshall
Syn.: *Opuntia tetrancistra* Toumey
- Opuntia kunzei* Rose.
Syn.: *Opuntia stanlyi* Engelm. ex B. D. Jackson var. *kunzei* (Rose) L. Benson; *Opuntia kunzei* Rose var. *wrightiana* (E. M. Baxter) Peebles; *Opuntia wrightiana* E. M. Baxter
- Opuntia leptocaulis* DC.–Desert Christmas cactus, Pencil cholla
- Opuntia littoralis* (Engelm.) Cockl. var. *vaseyi* (Coult.) Benson & Walkington
- Opuntia macrocentra* Engelm.–Purple prickly-pear
Syn.: *Opuntia violacea* Engelm. ex B. D. Jackson var. *macrocentra* (Engelm.) L. Benson; *Opuntia violacea* Engelm. ex B. D. Jackson var. *violacea*
- Opuntia macrorrhiza* Engelm. var. *macrorrhiza*–Plains prickly-pear
Syn.: *Opuntia plumbea* Rose
- Opuntia macrorrhiza* Engelm. var. *pottsii* (Salm-Dyck) L. Benson
- Opuntia martiniana* (L. Benson) Parfitt
Syn.: *Opuntia littoralis* (Engelm.) Cockerell var. *martiniana* (L. Benson) L. Benson; *Opuntia macrocentra* Engelm. var. *martiniana* L. Benson
- Opuntia nicholii* L. Benson–Navajo Bridge prickly-pear
- Opuntia parishii* Orcutt.
Syn.: *Opuntia stanlyi* Engelm. ex B. D. Jackson var. *parishii* (Orcutt) L. Benson
- Opuntia phaeacantha* Engelm. var. *laevis* (Coult.) L. Benson
Syn.: *Opuntia laevis* Coult.
- Opuntia phaeacantha* Engelm. var. *major* Engelm.
- Opuntia phaeacantha* Engelm. var. *phaeacantha*
- Opuntia phaeacantha* Engelm. var. *superbospina* (Griffiths) L. Benson
- Opuntia polyacantha* Haw. var. *juniperina* (Engelm.) L. Benson
- Opuntia polyacantha* Haw. var. *rufispina* (Engelm.) L. Benson
- Opuntia polyacantha* Haw. var. *trichophora* (Engelm. & Bigel.) L. Benson
- Opuntia pulchella* Engelm.–Sand cholla
- Opuntia ramosissima* Engelm.–Diamond cholla
- Opuntia santa-rita* (Griffiths & Hare) Rose–Santa Rita prickly-pear
Syn.: *Opuntia violacea* Engelm. ex B. D. Jackson var. *santa-rita* (Griffiths & Hare) L. Benson
- Opuntia spinosior* (Engelm.) Toumey–Cane cholla
- Opuntia versicolor* Engelm.–Staghorn cholla
- Opuntia vivipara* Engelm
- Opuntia whipplei* Engelm. & Bigel. var. *multigeniculata* (Clokey) L. Benson
- Opuntia whipplei* Engelm. & Bigel. var. *whipplei*–Whipple cholla
- Opuntia wigginsii* L. Benson
- Pediocactus papyracanthus* (Engelm.) L. Benson
Grama grass cactus
Syn.: *Toumeyia papyracanthus* (Engelm.) Britt. & Rose
- Pediocactus simpsonii* (Engelm.) Britt & Rose var. *simpsonii*
- Peniocereus greggii* (Engelm.) Britt. & Rose var. *greggii*–Night-blooming cereus
Syn.: *Cereus greggii* Engelm.
- Peniocereus greggii* (Engelm.) Britt & Rose var. *transmontanus*–Queen-of-the-Night
- Peniocereus striatus* (Brandege) Buxbaum.
Syn.: *Neoevansia striata* (Brandege) Sanchez-Mejorada; *Cereus striatus* Brandege; *Wilcoxia diguetii* (Webber) Peebles
- Sclerocactus parviflorus* Clover & Jotter var. *intermedius* (Peebles) Woodruff & L. Benson
Syn.: *Sclerocactus intermedius* Peebles
- Sclerocactus parviflorus* Clover & Jotter var. *parviflorus*
Syn.: *Sclerocactus whipplei* (Engelm. & Bigel.) Britt. & Rose var. *roseus* (Clover) L. Benson
- Sclerocactus pubispinus* (Engelm.) L. Peebles
- Sclerocactus spinosior* (Engelm.) Woodruff & L. Benson
Syn.: *Sclerocactus pubispinus* (Engelm.) L. Benson var. *sileri* L. Benson
- Sclerocactus whipplei* (Engelm. & Bigel.) Britt. & Rose
- Stenocereus thurberi* (Engelm.) F. Buxbaum–Organ pipe cactus
Syn.: *Cereus thurberi* Engelm.; *Lemairocereus thurberi* (Engelm.) Britt. & Rose
- CAMPANULACEAE Bellflower Family
- Lobelia cardinalis* L. ssp. *graminea* (Lam.) McVaugh–Cardinal flower
- Lobelia fenestralis* Cav.–Leafy lobelia
- Lobelia laxiflora* H. B. K. var. *angustifolia* A. DC.
- CAPPARACEAE Cappar Family [=Capparidaceae]
- Cleome multicaulis* DC.–Playa spiderflower
- CHENOPODIACEAE Goosefoot Family
- Atriplex hymenelytra* (Torr.) Wats.

CRASSULACEAE Stonecrop Family

- Dudleya arizonica* (Nutt.) Britt. & Rose
Syn.: *Echeveria pulverulenta* Nutt. ssp. *arizonica* (Rose) Clokey
- Dudleya saxosa* (M.E. Jones) Britt. & Rose ssp. *colomiae* (Rose) Moran
Syn.: *Echeveria collomiae* (Rose) Kearney & Peebles
- Graptopetalum bartramii* Rose
Syn.: *Echeveria bartramii* (Rose) K. & P.
- Graptopetalum bartramii* Rose–Bartram’s stonecrop, Bartram’s live-forever
Syn.: *Echeveria bartramii* (Rose) Kearney & Peebles
- Graptopetalum rusbyi* (Greene) Rose
Syn.: *Echeveria rusbyi* (Greene) Nels. & Macbr.
- Sedum cockerellii* Britt.
- Sedum griffithsii* Rose
- Sedum lanceolatum* Torr.
Syn.: *Sedum stenopetalum* Pursh
- Sedum rhodanthum* Gray
- Sedum stelliforme* Wats.

CROSSOSOMATACEAE Crossosoma Family

- Apacheria chiricahuensis* C. T. Mason–Chiricahua rock flower

CUCURBITACEAE Gourd Family

- Tumamoca macdougalii* Rose–Tumamoc globeberry

EUPHORBIACEAE Spurge Family

- Euphorbia plummerae* Wats.–Woodland spurge
- Sapium biloculare* (Wats.) Pax–Mexican jumping-bean

FABACEAE Pea Family [=Leguminosae]

- Astragalus corbrensis* Gray var. *maguirei* Kearney
- Astragalus cremnophylax* Barneby var. *myriorrhaphis* Barneby–Cliff milk-vetch
- Astragalus hypoxylus* Wats.–Huachuca milk-vetch
- Astragalus nutriosensis* Sanderson–Nutrioso milk-vetch
- Astragalus xiphoides* (Barneby) Barneby–Gladiator milk-vetch
- Cercis occidentalis* Torr.–California redbud
- Errazurizia rotundata* (Woot.) Barneby
Syn.: *Parryella rotundata* Woot.
- Lysiloma microphylla* Benth. var. *thornberi* (Britt. & Rose) Isely–Feather bush
Syn.: *Lysiloma thornberi* Britt. & Rose
- Phaseolus supinus* Wiggins & Rollins

FOUQUIERIACEAE Ocotillo Family

- Fouquieria splendens* Engelm.–Ocotillo, coach-whip, monkey-tail

GENTIANACEAE Gentian Family

- Gentianella wislizenii* (Engelm.) J. Gillett
Syn.: *Gentiana wislizenii* Engelm.

LAMIACEAE Mint Family

- Hedeoma diffusum* Green–Flagstaff pennyroyal
- Salvia dorrii* ssp. *mearnsii*

Trichostema micranthum Gray

LILIACEAE Lily Family

- Allium acuminatum* Hook.
- Allium bigelovii* Wats.
- Allium biseptum* Wats. var. *palmeri* (Wats.) Cronq.
Syn.: *Allium palmeri* Wats.
- Allium cernuum* Roth. var. *neomexicanum* (Rydb.) Macbr.–Nodding onion
- Allium cernuum* Roth. var. *obtusum* Ckll.
- Allium geyeri* Wats. var. *geyeri*
- Allium geyeri* Wats. var. *tenerum* Jones
- Allium kunthii* Don
- Allium macropetalum* Rydb.
- Allium nevadense* Wats. var. *cristatum* (Wats.) Ownbey
- Allium nevadense* Wats. var. *nevadense*
- Allium parishii* Wats.
- Allium plummerae* Wats.
- Allium rhizomatum* Woot. & Standl. Incl.: *Allium glandulosum* Link & Otto *sensu* Kearney & Peebles
- Androstephium breviflorum* Wats.–Funnel-lily
- Calochortus ambiguus* (Jones) Ownbey
- Calochortus aureus* Wats.
Syn.: *Calochortus nuttallii* Torr. & Gray var. *aureus* (Wats.) Ownbey
- Calochortus flexuosus* Wats.–Stragglng mariposa
- Calochortus gunnisonii* Wats.
- Calochortus kennedyi* Porter var. *kennedyi*–Desert mariposa
- Calochortus kennedyi* Porter var. *munzii* Jeps.
- Dichelostemma pulchellum* (Salisbi) Heller var. *pauciflorum* (Torr.) Hoover
- Disporum trachycarpum* (Wats.) Benth. & Hook. var. *subglabrum* Kelso
- Disporum trachycarpum* (Wats.) Benth. & Hook. var. *trachycarpum*
- Echeandia flavescens* (Schultes & Schultes) Cruden
Syn.: *Anthericum torreyi* Baker
- Eremocrinum albomarginatum* Jones
- Fritillaria atropurpurea* Nutt.
- Hesperocallis undulata* Gray–Ajo lily
- Lilium parryi* Wats.–Lemon lily
- Lilium umbellatum* Pursh
- Maianthemum racemosum* (L.) Link. ssp. *amplexicaule* (Nutt.) LaFrankie
Syn.: *Smilacina racemosa* (L.) Desf. var. *amplexicaulis* (Nutt.) Wats.
- Maianthemum racemosum* (L.) Link ssp. *racemosum*–False Solomon’s seal
Syn.: *Smilacina racemosa* (L.) Desf. var. *racemosa*; *Smilacina racemosa* (L.) Desf. var. *cylindrata* Fern.
- Maianthemum stellatum* (L.) Link
Syn.: *Smilacina stellata* (L.) Desf.–Starflower
- Milla biflora* Cav.–Mexican star
- Nothoscordum texanum* Jones

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- Polygonatum cobrense* (Woot. & Standl.) Gates
Streptopus amplexifolius (L.) DC.–Twisted stalk
Triteleia lemmonae (Wats.) Greene
Triteleopsis palmeri (Wats.) Hoover
Veratrum californicum Durand.–False hellebore
Zephyranthes longifolia Hemsl.–Plains rain lily
Zigadenus elegans Pursh–White camas, alkali-grass
Zigadenus paniculatus (Nutt.) Wats.–Sand-corn
Zigadenus virescens (H. B. K.) Macbr.
- MALVACEAE** Mallow Family
Abutilon parishii Wats.–Tucson Indian mallow
Abutilon thurberi Gray–Baboquivari Indian mallow
- NOLINACEAE** Nolina
Dasylirion wheeleri Wats.–Sotol, desert spoon
Nolina bigelovii (Torr.) Wats.–Bigelow’s nolina
Nolina microcarpa Wats.–Beargrass, sacahuista
Nolina parryi Wats.–Parry’s nolina
Nolina texana Wats. var. *compacta* (Trel.) Johnst.–Bunchgrass
- ONAGRACEAE** Evening Primrose Family
Camissonia exilis (Raven) Raven
- ORCHIDACEAE** Orchid Family
Calypso bulbosa (L.) Oakes var. *americana* (R. Br.) Luer
Coeloglossum viride (L.) Hartmann var. *virescens* (Muhl.) Luer
Syn.: *Habenaria viridis* (L.) R. Br. var. *bracteata* (Muhl.) Gray
Corallorhiza maculata Raf.–Spotted coral root
Corallorhiza striata Lindl.–Striped coral root
Corallorhiza wisteriana Conrad–Spring coral root
Epipactis gigantea Douglas ex Hook.–Giant helleborine
Goodyera oblongifolia Raf.
Goodyera repens (L.) R. Br.
Hexalectris spicata (Walt.) Barnhart–Crested coral root
Listera convallarioides (Swartz) Nutt.–Broad-leaved twayblade
Malaxis corymbosa (S. Wats.) Kuntze
Malaxis ehrenbergii (Reichb. f.) Kuntze
Malaxis macrostachya (Lexarza) Kuntze–Mountain malaxia
Syn.: *Malaxis soulei* L. O. Williams
Malaxis tenuis (S. Wats.) Ames
Platanthera hyperborea (L.) Lindley var. *gracilis* (Lindley) Luer
Syn.: *Habenaria sparsiflora* Wats. var. *laxiflora* (Rydb.) Correll
Platanthera hyperborea (L.) Lindley var. *hyperborea*–Northern green orchid
Syn.: *Habenaria hyperborea* (L.) R. Br.
Platanthera limosa Lindl.–Thurber’s bog orchid
Syn.: *Habenaria limosa* (Lindley) Hemsley
Platanthera sparsiflora (Wats.) Schlechter var. *ensifolia* (Rydb.) Luer
Platanthera sparsiflora (Wats.) var. *laxiflora* (Rydb.) Correll
Platanthera sparsiflora (Wats.) Schlechter var. *sparsiflora*–Sparsely-flowered bog orchid
Syn.: *Habenaria sparsiflora* Wats.
Platanthera stricta Lindl.–Slender bog orchid
Syn.: *Habenaria saccata* Greene; *Platanthera saccata* (Greene) Hulten
Platanthera viridis (L.) R. Br. var. *bracteata* (Muhl.) Gray–Long-bracted habenaria
Spiranthes michauxiana (La Llave & Lex.) Hemsl.
Spiranthes parasitica A. Rich. & Gal.
Spiranthes romanzoffiana Cham.–Hooded ladies tresses
- PAPAVERACEAE** Poppy Family
Arctomecon californica Torr. & Frém.–Golden-bear poppy, Yellow-flowered desert poppy
- PINACEAE** Pine Family
Pinus aristata Engelm.–Bristlecone pine
- POLYGONACEAE** Buckwheat Family
Eriogonum apachense Reveal
Eriogonum capillare Small
Eriogonum mortonianum Reveal–Morton’s buckwheat
Eriogonum ripleyi J. T. Howell–Ripley’s wild buckwheat, Frazier’s Well buckwheat
Eriogonum thompsonae Wats. var. *atwoodii* Reveal–Atwood’s buckwheat
- PORTULACACEAE** Purslane Family
Talinum humile Greene–Pinos Altos flame flower
Talinum marginatum Greene
Talinum validulum Greene–Tusayan flame flower
- PRIMULACEAE** Primrose Family
Dodecatheon alpinum (Gray) Greene ssp. *majus* H. J. Thompson
Dodecatheon dentatum Hook. ssp. *ellisiae* (Standl.) H. J. Thompson
Dodecatheon pulchellum (Raf.) Merrill
Primula hunnewellii Fern.
Primula rusbyi Greene
Primula specuicola Rydb.
- RANUNCULACEAE** Buttercup Family
Aquilegia caerulea James ssp. *pinetorum* (Tidest.) Payson–Rocky Mountain Columbine
Aquilegia chrysantha Gray
Aquilegia desertorum (Jones) Ckll.–Desert columbine, Mogollon columbine
Aquilegia elegantula Greene
Aquilegia longissima Gray–Long Spur Columbine
Aquilegia micrantha Eastw.
Aquilegia triternata Payson
- ROSACEAE** Rose Family

Rosa stellata Woot.–ssp. *abyssa* A. Phillips Grand Canyon rose
Vauquelinia californica (Torr.) Sarg. ssp. *pauciflora* (Standl.) Hess & Henrickson–Few-flowered Arizona rosewood

SCROPHULARIACEAE Figwort Family

Castilleja mogollonica Pennell
Penstemon albomarginatus Jones
Penstemon bicolor (Brandeg.) Clokey & Keck ssp. *roseus* Clokey & Keck
Penstemon clutei A. Nels.
Penstemon distans N. Holmgren–Mt. Trumbull beardtongue
Penstemon linarioides spp. *maguirei*

SIMAROUBACEAE Simarouba Family

Castela emoryi (Gray) Moran & Felger–Crucifixion thorn
 Syn.: *Holacantha emoryi* Gray

STERCULIACEAE Cacao Family

Fremontodendron californicum (Torr.) Coville–Flannel bush

- C. Salvage assessed native plants as prescribed in A.R.S. § 3-903(B)(3) that require a permit for removal:

BIGNONIACEAE Bignonia Family

Chilopsis linearis (Cav.) Sweet var. *arcuata* Fosberg–Desert-willow
Chilopsis linearis (Cav.) Sweet var. *glutinosa* (Engelm.) Fosberg

FABACEAE Pea Family [=Leguminosae]

Cercidium floridum Benth.–Blue palo verde
Cercidium microphyllum (Torr.) Rose & Johnst.–Foothill palo verde
Olneya tesota Gray–Desert ironwood
Prosopis glandulosa Torr. var. *glandulosa*–Honey mesquite
 Syn.: *Prosopis juliflora* (Swartz) DC. var. *glandulosa* (Torr.) Ckll.
Prosopis glandulosa Torr. var. *torreyana* (Benson) M. C. Johnst.–Western honey mesquite

Syn.: *Prosopis juliflora* (Swartz) DC. var. *torreyana* Benson

Prosopis pubescens Benth.–Screwbean mesquite

Prosopis velutina Woot.–Velvet mesquite

Syn.: *Prosopis juliflora* (Swartz) DC. var. *velutina* (Woot.) Sarg.

Psoralea spinosa (Gray) Barneby–Smoke tree.

Syn.: *Dalea spinosa* Gray

- D. Harvest restricted native plants as prescribed at A.R.S. § 3-903(B)(4) that require a permit to cut or remove the plants for their by-products, fibers, or wood:

AGAVACEAE Agave Family (including Nolinaceae)

Nolina bigelovii (Torr.) Wats.–Bigelow's nolina

Nolina microcarpa Wats.–Beargrass, sacahuista

Nolina parryi Wats.–Parry's nolina

Nolina texana Wats. var. *compacta* (Trel.) Johnst.–Bunchgrass

Yucca baccata Torr. var. *baccata*–Banana yucca

Yucca schidigera Roezl.–Mohave yucca, Spanish dagger

FABACEAE Pea Family [=Leguminosae]

Olneya tesota Gray–Desert ironwood

Prosopis glandulosa Torr. var. *glandulosa*–Honey mesquite

Syn.: *Prosopis juliflora* (Swartz) DC. var. *glandulosa* (Torr.) Ckll.

Prosopis glandulosa Torr. var. *torreyana* (Benson) M. C. Johnst.–Western honey mesquite

Syn.: *Prosopis juliflora* (Swartz) DC. var. *torreyana* Benson

Prosopis pubescens Benth.–Screwbean mesquite

Prosopis velutina Woot.–Velvet mesquite

Syn.: *Prosopis juliflora* (Swartz) DC. var. *velutina* (Woot.) Sarg.

Historical Note

New Section recodified from 3 A.A.C. 4, Article 6 at 10 A.A.R. 726, effective February 6, 2004 (Supp. 04-1). Amended by final rulemaking at 14 A.A.R. 811, effective May 3, 2008 (Supp. 08-1).