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**FLORA OF THE DESERT EDGE: GUAYMAS–YAQUI REGION OF SONORA, MEXICO.
Part 1: THE CHECKLIST**

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This checklist is a continuously updated version of our previously published version (Felger et al. 2017). We offer it freely for any non-commercial use. Maps and a brief introduction to the flora area are available in our 2017 checklist (see also Felger et al. 2016). Non-native plants established as reproducing populations in the flora area are indicated with an asterisk (*), and non-native taxa not established as reproducing populations are marked with two asterisks. Taxa described from the flora area (those with the type locality in the flora area) are indicated with (T) following the scientific name. Names in roman, non-bold type are expected to occur in the region but have not been documented. Selected synonyms are given in brackets.

LYCOPHYTES

SELAGINELLACEAE

Selaginella rupincola Underwood

PTERIDOPHYTES

MARSILEACEAE

Marsilea vestita Hooker & Greville

PSILOTACEAE

Psilotum nudum (Linnaeus) Palisot de Beauvois

PTERIDACEAE

Adiantum capillus-veneris Linnaeus

Adiantum tricholepis Fée

Astrolepis sinuata (Lagasca ex Swartz) D.M. Benham subsp. ***sinuata***
[*Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss]

Cheilanthes lozanoi (Maxon) R.M. Tryon & A.F. Tryon var. ***seemannii*** (Hooker) Mickel & Beitel

Myriopteris lindheimeri (Hooker) J. Small
[*Cheilanthes lindheimeri* Hooker]

Myriopteris pringlei (Davenport) Grusz & Windham subsp. ***pringlei***
[*Cheilanthes pringlei* Davenport]

Notholaena lemmonii D.C. Eaton var. ***lemmonii***

Notholaena standleyi Maxon
[*Cheilanthes standleyi* (Maxon) Mickel]

THELYPTERIDACEAE

Thelypteris puberula (Baker) C.V. Morton var. ***sonorensis*** A.R. Smith

EARLY ANGIOSPERMS

MAGNOLIIDS

ARISTOLOCHIACEAE

Aristolochia watsonii Wootton & Standley

SAURURACEAE

Anemopsis californica (Nuttall) Hooker & Arnott

NYMPHAEALES

NYMPHAEACEAE

Nymphaea elegans Hooker

EUDICOTS

ACANTHACEAE

Anisacanthus thurberi (Torrey) A. Gray

Aphanosperma sinaloensis (Leonard & Gentry) T.F. Daniel

[*Carlowrightia sinaloensis* Leonard & Gentry]

Avicennia germinans (Linnaeus) Linnaeus

Carlowrightia arizonica A. Gray

Carlowrightia pectinata Brandegee

Dicliptera resupinata (Vahl) de Jussieu

Elytraria imbricata (Vahl) Persoon

Henrya insularis Nees ex Bentham

Holographis virgata (Harvey ex Bentham & Hooker) T.F. Daniel subsp. **virgata**

[*Berginia virgata* Harvey ex Bentham & Hooker]

Justicia californica (Bentham) D.N. Gibson

Justicia candicans (Nees) L.D. Benson

[*Jacobinia ovata* A. Gray var. *subglabrata* S. Watson (T)]

Justicia longii Hilsenbeck

[*Siphonoglossa longiflora* (Torrey) A. Gray]

Justicia sonora Wasshausen

Ruellia californica (Rose) I.M. Johnston subsp. **californica**

Ruellia ciliatiflora Hooker

[*R. nudiflora* (Engelmann & A. Gray) Urban. *R. nudiflora* var. *glabrata* Leonard]

Ruellia intermedia Leonard

Ruellia leucantha Brandegee subsp. **postinsularis** (Gentry) T.F. Daniel

Tetramerium nervosum Nees

[*Dianthera sonora* S. Watson (T). *Tetramerium hispidum* Nees]

ACHATOCARPACEAE

Phaulothamnus spinescens A. Gray

AIZOACEAE

***Mesembryanthemum crystallinum** Linnaeus

Sesuvium portulacastrum (Linnaeus) Linnaeus

Sesuvium verrucosum Rafinesque

Trianthema portulacastrum Linnaeus

AMARANTHACEAE (includes Chenopodiaceae)

Achyranthes watsonii Standley

Allenrolfea occidentalis (S. Watson) Kuntze

Amaranthus fimbriatus (Torrey) Bentham ex S. Watson

Amaranthus obcordatus (A. Gray) Standley

Amaranthus palmeri S. Watson

- Amaranthus watsonii** Standley (T)
Arthrocnemum subterminale (Parish) Standley
 [*Salicornia subterminalis* Parish]
Atriplex barclayana (Bentham) D. Dietrich
Atriplex canescens (Pursh) Nuttall var. **canescens**
Atriplex elegans (Moquin) D. Dietrich
 [*A. fasciculata* S. Watson. *A. elegans* subsp. *fasciculata* (S. Watson) H.M. Hall & Clements]
Atriplex linearis S. Watson (T)
 [*A. canescens* subsp. *linearis* (S. Watson) H.M. Hall & Clements]
Atriplex pacifica A. Nelson
Atriplex polycarpa (Torrey) S. Watson
****Atriplex wrightii** S. Watson
Blitum nuttallianum Schultes
 [*Monolepis nuttalliana* (Schultes) Greene]
***Chenopodium murale** (Linnaeus) S. Fuentes, Uotila & Borsch
 [*Chenopodium murale* Linnaeus]
Chenopodium palmeri Standley
Chenopodium sonorensis Benet-Pierce & M.G. Simpson
***Dysphania ambrosioides** (Linnaeus) Mosyakin & Clemants
 [*Chenopodium ambrosioides* Linnaeus var. *anthelminticum* (Linnaeus) A. Gray]
Froelichia interrupta (Linnaeus) Moquin var. **alata** (S. Watson) R.A. McCauley
Gomphrena sonorae Torrey
Iresine alternifolia S. Watson (T)
Iresine latifolia (M. Martens & Galeotti) Bentham & Hooke f.
 [*I. calea* (Ibáñez) Standley]
Monolepis nuttalliana, see *Blitum nuttallianum*
Salicornia bigelovii Torrey
***Salsola tragus** Linnaeus
 [*Kali tragus* Scopoli]
Sarcocornia pacifica (Standley) A.J. Scott
 [*Salicornia pacifica* Standley]
Suaeda esteroa Ferren & Whitmore
Suaeda nigra (Rafinesque) J.F. Macbride
 [*S. moquinii* (Torrey) Greene. *S. ramosissima* (Standley) I.M. Johnston]
Tidestromia lanuginosa (Nuttall) Standley (T)
 T. lanuginosa subsp. **eliassoniana** Sánchez-del Pino & Flores-Olvera (T)
 [*T. eliassoniana* Sánchez-del Pino & Flores-Olvera]

ANACARDIACEAE

- Rhus terebinthifolia** Schlechtendal & Chamisso
 [*R. hartmanii* F.A. Barkley]
****Schinus terebinthifolia** Raddi

APIACEAE

- **Cyclosporum leptophyllum** (Persoon) Sprague ex Britton & P. Wilson var. **leptophyllum**
Daucus pusillus Michaux
Eryngium nasturtiifolium de Jussieu ex F. Delaroché

APOCYNACEAE

- *Asclepias curassavica** Linnaeus
Asclepias leptopus I.M. Johnston (T)

- Asclepias subulata** Decaisne
***Cryptostegia grandiflora** R. Brown
Dictyanthus altatensis (Brandege) W.D. Stevens
 [*Matelea altatensis* (Brandege) Woodson]
Funastrum clausum (Jacquin) Schlechter
 [*Cynanchum clausum* Jacquin. *Sarcostemma clausum* (Jacquin) Roemer & Schultes]
Funastrum heterophyllum (Engelmann ex Torrey) Standley
 [*F. hartwegii* Schlechter. *Sarcostemma cynanchoides* Decaisne subsp. *hartwegii* R.W. Holm.
 S. heterophyllum Engelmann ex Torrey]
Haplophyton cimicidum A. de Candolle
 [*H. crooksii* (L.D. Benson) L.D. Benson]
Mandevilla nacapulensis (Felger & Henrickson) A.O. Simões, Kinoshita & M.E. Endress
 [*Telosiphonia nacapulensis* Felger & Henrickson (T)]
Marsdenia edulis S. Watson (T)
Matelea cordifolia, see *Polystemma cordifolium*
Matelea parvifolia (Torrey) Woodson
Matelea pringlei (A. Gray) Woodson
Metastelma arizonicum A. Gray
 [*Cynanchum arizonicum* (A. Gray) Shinnars. *Metastelma albiflorum* S. Watson (T), not
 Grisebach. *M. watsonianum* Standley (T)]
Metastelma californicum Bentham
Plumeria rubra Linnaeus
 [*P. acutifolia* Poiret]
Polystemma cordifolium (A. Gray) McDonnell & Fishbein
 [*Matelea cordifolia* (A. Gray) Woodson. *Rothrockia cordifolia* A. Gray]
Vallesia glabra (Cavanilles) Link var. **glabra**
Vallesia laciniata Brandege
 [*V. baileyana* Woodson (T)]

ASTERACEAE

- Acourtia wrightii** (A. Gray) Reveal & R.M. King
 [*Perezia wrightii* A. Gray]
Adenophyllum anomalum (Canby & Rose) Strother
 [*Dyssodia anomala* (Canby & Rose) B.L. Robinson]
Aldama glomerata (Brandege) E.E. Schilling & Panero
 [*Alvordia glomerata* Brandege var. *glomerata*]
Ambrosia acuminata (Brandege) W.W. Payne
Ambrosia ambrosioides (Cavanilles) W.W. Payne
Ambrosia confertiflora de Candolle
Ambrosia cordifolia (A. Gray) W.W. Payne
Ambrosia deltoidea (Torrey) W.W. Payne
Ambrosia divaricata (Brandege) W.W. Payne
Ambrosia monogyra (Torrey & A. Gray) Strother & B.G. Baldwin
 [*Hymenoclea monogyra* Torrey & A. Gray]
Ambrosia psilostachya de Candolle
Arida coulteri, see *Leucosyris coulteri*
Arida crispa, see *Leucosyris crispa*
Baccharis salicifolia (Ruiz & Pavón) Persoon
Baccharis sarothroides A. Gray
Bahiopsis chenopodina (Greene) E.E. Schilling & Panero
 [*Viguiera chenopodina* Greene. *V. deltoidea* A. Gray var. *chenopodina* (Greene) S.F. Blake]

- Bahiopsis triangularis** (M.E. Jones) E.E. Schilling & Panero
[*Viguiera triangularis* M.E. Jones]
- Baileya multiradiata** Harvey & A. Gray ex Torrey
- Bebbia juncea** (Benth) Greene var. **aspera** Greene
- Bidens laevis** (Linnaeus) Britton, Sterns, & Poggenburg
- Brickellia coulteri** A. Gray var. **coulteri**
- Brickellia rhomboidea** Greene (T)
- **Carthamus tinctorius** Linnaeus
- Chloracantha spinosa** (Benth) G.L. Nesom var. **spinosa**
[*Aster spinosus* Benth var. *spinosus*]
- Chromolaena sagittata** (A. Gray) R.M. King & H. Robinson
[*Eupatorium sagittatum* A. Gray]
- Cirsium raphilepis** (Hemsley) Petrak
- Coreocarpus sanpedroensis** E.B. Smith (T)
[*C. arizonicus* (A. Gray) S.F. Blake var. *sanpedroensis* (E.B. Smith) B.L. Turner]
- Coreocarpus sonoranus**
[*C. johnstonii* Sherff (T). *C. sonoranus* var. *libranus* B.L. Turner (T)]
- Dicoria canescens** A. Gray
- Eclipta prostrata** (Linnaeus) Linnaeus
[*E. alba* (Linnaeus) Hasskarl. *E. erecta* Linnaeus]
- **Egletes viscosa** (Linnaeus) Lessing
[*Cotula viscosa* Linnaeus]
- Encelia farinosa** A. Gray ex Torrey
- Encelia halimifolia** Cavanilles
- *Erigeron canadensis** Linnaeus var. **glabratus** A. Gray
[*Conyza canadensis* (Linnaeus) Cronquist var. *glabrata* (A. Gray) Cronquist]
- Gamochaeta sphacelata** (Kunth) Cabrera
[*Gnaphalium pedunculatum* I.M. Johnston. *G. sphacelatum* Kunth]
- **Glebionis coronaria** (Linnaeus) Cassini ex Spach
[*Chrysanthemum coronarium* Linnaeus]
- Gnaphalium palustre** Nuttall
- **Gnaphalium polycaulon** Persoon
[*G. indicum* of authors, not Linnaeus]
- Gymnosperma glutinosum** (Sprengel) Lessing
- Helenium laciniatum** A. Gray (T)
- *Helianthus annuus** Linnaeus
- Helianthus niveus** (Benth) Brandege var. **niveus**
- Heliopsis anomala** (M.E. Jones) B.L. Turner
[*Heliopsis rubra* T.R. Fisher. *H. parvifolia* A. Gray var. *rubra* (T.R. Fisher) Wiggins]
- Hofmeisteria crassifolia** S. Watson (T)
- Isocoma acradenia** (Greene) Greene var. **acradenia**
[*Haplopappus acradenius* (Greene) S.F. Blake. *Isocoma veneta* (Kunth) Greene]
- Koanophyllon palmeri** (A. Gray) R.M. King & H. Robinson
[*Eupatorium palmeri* A. Gray]
- *Lactuca serriola** Linnaeus
- Lagascea decipiens** Hemsley var. **decipiens**
- Leucosyris coulteri** (A. Gray) Pruski & R.L. Hartman
[*Arida coulteri* (A. Gray) D.R. Morgan & R.L. Hartman. *Machaeranthera coulteri* (A. Gray) B.L. Turner & Horne var. *coulteri*. *Psilactis coulteri* A. Gray (T)]
- Leucosyris crispa** (Brandege) Pruski & R.L. Hartman

- [*Arida crispa* (Brandege) D.R. Morgan & R.L. Hartman. *Machaeranthera crispa* (Brandege) B.L. Turner & Horne. *Psilactis crispa* Brandege]
- Logfia filaginoides** (Hooker & Arnott) Morefield
[*Filago californica* Nuttall. *Logfia californica* (Nuttall) Holub]
- Malacothrix sonorae** W.S. Davis & P.H. Raven
- Melampodium cupulatum** A. Gray (T)
- Palafoxia linearis** (Cavanilles) Lagasca
- Parthenium tomentosum** de Candolle var. **stramonium** (Greene) Rollins
- Pectis coulteri** Harvey & A. Gray (T)
- Pectis cylindrica** (Fernald) Rydberg
[*P. prostrata* Cavanilles var. *cylindrica* Fernald]
- Pectis filipes** Harvey & A. Gray var. **filipes**
- Pectis linifolia** Linnaeus var. **linifolia**
- Pectis papposa** Harvey & A. Gray var. **papposa**
- Pectis purpurea** Brandege var. **sonorae** D.J. Keil (T)
- Pectis rusbyi** Greene ex A. Gray
[*P. palmeri* S. Watson (T)]
- Perityle californica** Benth
[*P. deltoidea* S. Watson (T)]
- Perityle emoryi** Torrey
- Perityle microglossa** Benth var. **microglossa**
- Perityle palmeri** S. Watson (T)
[*P. leptoglossa* Harvey & A. Gray subsp. *palmeri* (S. Watson) Felger & Lowe]
- Pleurocoronis laphamioides** (Rose) R.M. King & H. Robinson
[*Hofmeisteria laphamioides* Rose. *H. laphamioides* var. *pauciseta* (I.M. Johnston) S.F. Blake. *H. pluriseta* var. *pauciseta* I.M. Johnston (T)]
- Pluchea salicifolia** (Miller) S.F. Blake
[*P. adnata* (Humboldt & Bonpland ex Willdenow) C. Mohr. *P. subdecurrens* Cassini]
- Porophyllum gracile** Benth
- Porophyllum pausodinum** B.L. Robinson & Greenman (T)
[*P. brachypodum* B.L. Robinson (T). *P. seemannii* S. Watson (T), not *P. seemannii* Schultz-Bipontinus]
- Pseudognaphalium stramineum** (Kunth) Anderberg
[*Gnaphalium chilense* Sprengel. *G. stramineum* Kunth]
- Senecio lemmonii** A. Gray
- **Silybum marianum** (Linnaeus) Gaertner
- *Sonchus oleraceus** Linnaeus
- Symphyotrichum subulatum** (Michaux) G.L. Nesom var. **parviflorum** (Nees) S.D. Sundberg
[*Aster subulatus* Michaux]
- Thymophylla concinna** (A. Gray) Strother
[*Dyssodia concinna* (A. Gray) B.L. Robinson]
- **Thymophylla tenuiloba** (de Candolle) Small
- Trichocoronis wrightii** (Torrey & A. Gray) A. Gray
[*Ageratum wrightii* Torrey & A. Gray]
- Trixis californica** Kellogg var. **californica**
- *Verbesina encelioides** (Cavanilles) Benth & Hooker f. ex A. Gray
- Verbesina felgeri** B.L. Turner (T)
- Viguiera dentata** (Cavanilles) Sprengel
- *Xanthium strumarium** Linnaeus
- Xylothamia diffusa** (Benth) G.L. Nesom

[*Ericameria diffusa* Benth. *Haplopappus sonorensis* (A. Gray) S.F. Blake. *Linosyris sonorensis* A. Gray (T)]

BATACEAE

Batis maritima Linnaeus

BIGNONIACEAE

****Crescentia alata** Kunth

Handroanthus impetiginosus (Martius ex de Candolle) Mattos

[*Tabebuia impetiginosa* (Martius ex de Candolle) Standley. *T. palmeri* Rose]

Tecoma stans (Linnaeus) de Jussieu ex Kunth var. **angustata** Rehder

[*T. incisa* I.M. Johnston, not *T. incisa* Sweet]

***Tecoma stans** var. **stans**

BORAGINACEAE sensu lato

This formerly broadly circumscribed family is treated as 6 families in the flora area:
BORAGINACEAE, CORDIACEAE, EHRETIACEAE, HELIOTROPIACEAE,
HYDROPHYLLACEAE, and NAMACEAE.

BORAGINACEAE

Cryptantha maritima Greene

[*C. maritima* var. *pilosa* I.M. Johnston]

Johnstonella angustifolia (Torrey) Hasenstab & M.G. Simpson

[*Cryptantha angustifolia* (Torrey) Greene]

Johnstonella grayi (Vasey & Rose) Hasenstab & M.G. Simpson var. **cryptochaeta** (J.F. Macbride)
Hasenstab & M.G. Simpson

[*Cryptantha grayi* (Vasey & Rose) J.F. Macbride var. *cryptochaeta* I.M. Johnston]

Johnstonella grayi var. **nesiotica** (I.M. Johnston) Hasenstab & M.G. Simpson

[*Cryptantha grayi* var. *nesiotica* I.M. Johnston]

Pectocarya recurvata I.M. Johnston

BRASSICACEAE

***Brassica kaber** (de Candolle) L.C. Wheeler

[Not *Brassica arvensis* Linnaeus; *B. arvensis* Rabenhorst is illegitimate. *Sinapis arvensis*
Linnaeus. *S. kaber* de Candolle]

***Brassica nigra** (Linnaeus) W.D.J. Koch

[*Sinapis nigra* Linnaeus]

****Brassica rapa** Linnaeus (vars.)

***Brassica tournefortii** Gouan

Descurainia pinnata (Walter) Britton

Draba cuneifolia, see *Tomostima cuneifolia*

Dryopetalon runcinatum A. Gray

[*D. runcinatum* var. *laxiflorum* Rollins]

****Eruca vesicaria** (Linnaeus) Cavanilles subsp. **sativa** (Miller) Thellung

[*E. sativa* Miller]

****Lepidium didymum** Linnaeus

[*Coronopus didymus* (Linnaeus) Smith]

Lepidium lasiocarpum Nuttall ex Torrey & A. Gray

Lepidium virginicum Linnaeus

Lyrocarpa coulteri Hooker & Harvey ex Harvey var. **coulteri**

****Raphanus sativus** Linnaeus

Rorippa teres (Michaux) Stuckey

***Sisymbrium irio** Linnaeus

***Sisymbrium orientale** Linnaeus

Tomostima cuneifolia (Nuttall ex Torrey & A. Gray) Al-Shehbaz, M. Koch & Jordon-Thaden

[*Draba cuneifolia* Nuttall ex Torrey & A. Gray. *D. cuneifolia* var. *integrifolia* S. Watson. *D. cuneifolia* var. *sonorae* (Greene) Parish. *D. sonorae* Greene. *Tomostima sonorae* (Greene) Al-Shehbaz, M. Koch & Jordon-Thaden]

BURSERACEAE

Bursera fagaroides (Kunth) Engelm. var. **elongata** McVaugh & Rzedowski

[*B. confusa* (Rose) Engler, in part]

Bursera hindsiana (Benth.) Engler

Bursera laxiflora S. Watson (T)

Bursera microphylla A. Gray

CACTACEAE

Carnegiea gigantea (Engelm.) Britton & Rose

Cylindropuntia arbuscula (Engelm.) F.M. Knuth

[*Opuntia arbuscula* Engelm.]

Cylindropuntia bigelovii (Engelm.) F.M. Knuth

[*Opuntia bigelovii* Engelm.]

Cylindropuntia fulgida (Engelm.) Knuth

[*Cylindropuntia fulgida* var. *mamillata* (Schott ex Engelm.) Backeberg. *Opuntia fulgida* Engelm. *O. mamillata* A. Schott ex Engelm.]

Cylindropuntia leptocaulis (de Candolle) F.M. Knuth

[*Opuntia leptocaulis* de Candolle]

Cylindropuntia leptocaulis × **C. versicolor**

Cylindropuntia versicolor (Engelm. ex J.M. Coulter) F.M. Knuth

[*Opuntia versicolor* Engelm. ex J.M. Coulter]

Echinocereus leucanthus N.P. Taylor (T)

[*Wilcoxia albiflora* Backeberg, not *Echinocereus albiflorus* Weingart]

Echinocereus llanuraensis (Rutow) W. Blum & D. Felix (T)

[*E. engelmannii* (Engelm.) Lemaire subsp. *llanuraensis* (Rutow) Felger. *E. nicholii* subsp. *llanuraensis* Rutow]

Echinocereus scopulorum Britton & Rose (T)

Echinocereus websterianus G.E. Lindsay (T)

Ferocactus emoryi (Engelm.) Orcutt

[*F. covillei* Britton & Rose. *F. emoryi* subsp. *covillei* (Britton & Rose) D.R. Hunt & Dimmitt]

Ferocactus herrerae J. González Ortega

[*F. wislizeni* (Engelm.) Britton & Rose var. *herrerae* (J. González Ortega) N.P. Taylor]

Ferocactus tiburonensis (G.E. Lindsay) Backeberg

F. wislizeni (Engelm.) Britton & Rose var. *tiburonensis* G.E. Lindsay]

Grusonia reflexispina (Wiggins & Rollins) E.F. Anderson

[*Corynopuntia reflexispina* (Wiggins & Rollins) Backeberg. *Opuntia reflexispina* Wiggins & Rollins (T)]

Lophocereus schottii (Engelm.) Britton & Rose var. **australis** (K. Brandegee) Borg

[*L. schottii* var. *tenuis* G.E. Lindsay (T)]

Lophocereus schottii var. **schottii**

[*Pachycereus schottii* (Engelm.) D.R. Hunt]

Mammillaria bocensis R.T. Craig

Mammillaria boolii G.E. Lindsay (T)

- Mammillaria grahamii** Engelmans subsp. **sheldonii** (Britton & Rose) D.R. Hunt
[*M. inaiiae* R.T. Craig (T). *M. swinglei* (Britton & Rose) Boedeker. *M. swinglei* var. *diabla*
P.C. Fischer (T). *Neomammillaria sheldonii* Britton & Rose (T)]
- Mammillaria johnstonii** (Britton & Rose) Orcutt
[*M. johnstonii* var. *guaymensis* R.T. Craig (T). *M. johnstonii* var. *sancarlosensis* R.T. Craig
(T). *Neomammillaria johnstonii* Britton & Rose (T)]
- Mammillaria multidigitata** W.T. Marshall ex G.E. Lindsay (T)
- Mammillaria tayloriorum** Glass & R.A. Foster (T)
- Mammillaria yaquensis** R.T. Craig (T)
[*M. thornberi* Orcutt subsp. *yaquensis* (R.T. Craig) D.R. Hunt]
- Opuntia bravoana** E.M. Baxter
- Opuntia gosseliniana** F.A.C. Weber (T)
- Pachycereus pecten-aboriginum** (Engelmann) Britton & Rose
- Pachycereus pringlei** (S. Watson) Britton & Rose
- Peniocereus marianus** (Gentry) Sánchez-Mejorada
[*Wilcoxia marianus* Gentry]
- Peniocereus striatus** (Brandege) F. Buxbaum
[*Cereus diguetii* K. Weber. *C. striatus* Brandege. *Neoevansia diguetii* (F.A.C. Weber) W.T.
Marshall. *N. striata* (Brandege) Sánchez-Mejorada]
- Pereskiopsis porteri** (Brandege ex F.A.C. Weber) Britton & Rose
[*Opuntia porterii* Brandege ex F.A.C. Weber. *Pereskiopsis gatesii* E.M. Baxter]
- Stenocereus alamosensis** (J.M. Coulter) A.C. Gibson & K.E. Horak
[*Rathbunia alamosensis* (J.M. Coulter) Britton & Rose]
- Stenocereus thurberi** (Engelmann) F. Buxbaum
[*Lemaireocereus thurberi* (Engelmann) Britton & Rose]

CAMPANULACEAE

- Lobelia cardinalis** Linnaeus subsp. **graminea** (Lamarck) McVaugh

CANNABACEAE

- ****Cannabis sativa** Linnaeus
- Celtis pallida** Torrey subsp. **pallida**
[*C. tala* Gillies var. *pallida* (Torrey) Planchon]
- Celtis reticulata** Torrey

CAPPARACEAE

- Atamisquea emarginata** Miers ex Hooker & Arnott
[*Capparis atamisquea* Kuntze]

CARYOPHYLLACEAE

- Achyronychia cooperi** A. Gray
- Drymaria arenarioides** Humboldt & Bonpland ex Schultes subsp. **peninsularis** (S.F. Blake) J.A.
Duke
- Drymaria glandulosa** Bartling
- Drymaria viscosa** S. Watson
- ***Spergularia salina** J. Presl & C. Presl

CELASTRACEAE

- Tricerna phyllanthoides** (Bentham) Lundell
[*Maytenus phyllanthoides* Bentham var. *phyllanthoides*]

CLEOMACEAE

Cleome tenuis S. Watson (T)

***Corynandra viscosa** (Linnaeus) Cochrane & Iltis subsp. **viscosa**

[*Arivela viscosa* (Linnaeus) Rafinesque. *Cleome viscosa* Linnaeus]

Wislizenia palmeri A. Gray

[*W. mamillata* Rose ex Greene (T). *W. refracta* Engelmann var. *palmeri* (A. Gray) I.M. Johnston]

COCHLOSPERMACEAE

Amoreuxia palmatifida de Candolle

COMBRETACEAE

Laguncularia racemosa (Linnaeus) C.F. Gaertner

CONVOLVULACEAE

***Convolvulus arvensis** Linnaeus

Cressa truxillensis Kunth

Cuscuta americana Linnaeus

Cuscuta corymbosa Ruiz & Pavón var. **grandiflora** Engelmann

Cuscuta desmouliniana Yuncker

[*C. umbellata* var. *dubia* Yuncker (T)]

****Cuscuta indecora** Choisy var. **indecora**

[*C. decora* Choisy ex Engelmann var. *indecora* (Choisy) Engelmann. *Epithymum indecorum* (Choisy) Nieuwland & Lunell]

Cuscuta legitima Costea & Stefanović (T)

[*C. californica* var. *reflexa* J.M. Coulter. *C. umbellata* var. *reflexa* (J.M. Coulter) Yuncker]

Cuscuta tuberculata Brandegee

Cuscuta umbellata Kunth var. **umbellata**

Evolvulus alsinoides (Linnaeus) Linnaeus var. **angustifolia** Torrey

[*E. alsinoides* var. *acapulcensis* (Willdenow) van Ooststroom]

Ipomoea arborescens (Humboldt & Bonpland ex Willdenow) G. Don var. **arborescens**

***Ipomoea batatas** (Linnaeus) Lamarck

[*Batatas edulis* (Thunberg) Choisy. *Ipomoea triloba* of authors, not Linnaeus]

Ipomoea bracteata Cavanilles

[*Exogonium bracteatum* (Cavanilles) Choisy ex G. Don]

Ipomoea cholulensis Kunth

[*I. cristulata* Hallier. *Quamoclit cholulensis* (Kunth) G. Don]

Ipomoea hederacea Jacquin

Ipomoea hederifolia Linnaeus

[*I. coccinea* of authors, not Linnaeus. *Quamoclit coccinea* (Linnaeus) Moench. *Q. coccinea* var. *hederifolia* (Linnaeus) House. *Q. hederifolia* (Linnaeus) G. Don]

***Ipomoea heptaphylla** Sweet

[*I. pulchella* of authors, not Roth. *I. spiralis* House (T). *I. wrightii* A. Gray]

***Ipomoea leucantha** Jacquin

Ipomoea muricata (Linnaeus) Jacquin

Ipomoea pedicellaris Bentham

Ipomoea seania Felger & D.F. Austin (T)

Ipomoea ternifolia Cavanilles var. **leptotoma** (Torrey) J.A. McDonald

[*I. divergens* House (T). *I. leptotoma* Torrey]

***Ipomoea triloba** Linnaeus

Jacquemontia agrestis (Choisy) Meisner

[*J. palmeri* S. Watson (T)]

Jacquemontia polyantha (Schlechtendal & Chamisso) Hallier f.

[*J. albida* Wiggins & Rollins (T)]

Jacquemontia pringlei A. Gray

[*J. pringlei* var. *glabrescens* A. Gray]

Merremia palmeri (S. Watson) Hallier f.

[*Ipomoea palmeri* S. Watson (T)]

Merremia quinquefolia (Linnaeus) Hallier f.

[*Ipomoea quinquefolia* Linnaeus]

CORDIACEAE

Cordia parvifolia A. de Candolle

Cordia sonorae Rose

Varronia curassavica Jacquin

[*Cordia brevispicata* M. Martens & Galeotti. *C. curassavica* (Jacquin) Roemer & Schultes. *C. palmeri* S. Watson (T)]

CRASSULACEAE

Graptopetalum rusbyi (Greene) Rose

CROSSOSOMATACEAE

Crossosoma bigelovii S. Watson

CUCURBITACEAE

Apodanthera palmeri S. Watson (T)

****Citrullus lanatus** (Thunberg) Matsumura & Nakai subsp. **lanatus**

***Cucumis melo** Linnaeus var. **dudaim** (Linnaeus) Naudin

[*C. dudaim* Linnaeus]

Echinopepon wrightii (A. Gray) S. Watson

Ibervillea sonorae (S. Watson) Greene

[*Maximowiczia insularis* Brandegee. *M. sonorae* S. Watson (T)]

Luffa operculata (Linnaeus) Cogniaux

[*L. quinquefida* (Hooker & Arnott) Seemann]

Tumamoca macdougallii Rose

[*Ibervillea macdougallii* (Rose) Lira, Dávila & Legaspi]

Vaseyanthus insularis (S. Watson) Rose

[*Echinopepon insularis* S. Watson (T). *E. palmeri* S. Watson. *Vaseyanthus insularis* var. *inermis* I.M. Johnston. *V. insularis* var. *palmeri* (S. Watson) Gentry]

DIDIEREACEAE

****Portulacaria afra** Jacquin

EHRETIACEAE

Bourreria sonorae S. Watson (T)

Pholisma culiacanum (Dressler & Kuijt) Yatskievych

Tiquilia cuspidata (I.M. Johnston) A.T. Richardson

[*Coldenia cuspidata* I.M. Johnston]

ELATINACEAE

Bergia texana (Hooker) Seubert

EUPHORBIACEAE

Acalypha aliena Brandegee

Acalypha californica Benth

[*A. pringlei* S. Watson]

Acalypha papillosa Rose

Adelia cinerea (Wiggins & Rollins) A. Cervantes, V.W. Steinmann & Flores Olvera

[*Bernardia cinerea* Wiggins & Rollins (T)]

Adelia obovata Wiggins & Rollins

Argythamnia adenophora A. Gray

[*Ditaxis adenophora* (A. Gray) Pax & K. Hoffmann]

Argythamnia lanceolata (Benth) Müller Argoviensis

[*A. palmeri* S. Watson (T). *Ditaxis lanceolata* (Benth) Pax & K. Hoffmann. *D. palmeri* (S. Watson) Pax & K. Hoffmann]

Argythamnia serrata (Torrey) Müller Argoviensis

[*A. neomexicana* Müller Argoviensis. *Ditaxis gracilis* Rose & Standley (T). *D. neomexicana* (Müller Argoviensis) A. Heller. *D. serrata* (Torrey) A. Heller]

Bernardia viridis Millspaugh

Cnidoscolus palmeri (S. Watson) Rose

[*Jatropha palmeri* S. Watson (T)]

Croton alamosanus Rose

Croton californicus Müller Argoviensis

Croton ciliatoglandulifer Ortega

Croton magdalenae Millspaugh

Croton sonora Torrey

Croton subjucundus Croizat

Croton texensis (Klotzsch) Müller Argoviensis

Dalechampia scandens Linnaeus var. **scandens**

[*D. scandens* var. *fimbriata* (Kunth) Müller Argoviensis]

Euphorbia abramsiana L.C. Wheeler

[*Chamaesyce abramsiana* (L.C. Wheeler) Koutnik. *Euphorbia pediculifera* var. *abramsiana* Ewan]

Euphorbia albomarginata Torrey & A. Gray

[*Chamaesyce albomarginata* (Torrey & A. Gray) Small]

Euphorbia arizonica Engelm

[*Chamaesyce arizonica* (Engelm) Arthur. *Euphorbia portulana* S. Watson (T)]

Euphorbia californica Benth

Euphorbia capitellata Engelm

[*Chamaesyce capitellata* (Engelm) Millspaugh. *Euphorbia capitellata* var. *laxiflora* S. Watson (T). *E. gladiosa* M.E. Jones (T)]

Euphorbia ceroderma I.M. Johnston (T)

Euphorbia cyathophora Murray

[*Poinsettia cyathophora* (Murray) Bartling]

Euphorbia cymosa Poiret

[*E. colletioides* Benth. *E. plicata* S. Watson]

Euphorbia eriantha Benth

[*Poinsettia eriantha* (Benth) Rose & Standley]

Euphorbia florida Engelm

[*Chamaesyce florida* (Engelm) Millspaugh]

***Euphorbia gentryi* V.W. Steinmann & T.F. Daniel

Euphorbia gracillima S. Watson

[*Chamaesyce gracillima* (S. Watson) Millspaugh]

- ***Euphorbia graminea** Jacquin var. **graminea**
- ***Euphorbia hirta** Linnaeus
[*Chamaesyce hirta* (Linnaeus) Millspaugh]
- ****Euphorbia hypericifolia** Linnaeus
[*Chamaesyce hypericifolia* (Linnaeus) Millspaugh]
- Euphorbia hyssopifolia** Linnaeus
[*Chamaesyce hyssopifolia* (Linnaeus) Small]
- Euphorbia incerta** Brandegee
[*Chamaesyce incerta* (Brandegee) Millspaugh]
- Euphorbia leucophylla** Bentham subsp. **comcaacorum** V.W. Steinmann & Felger
- Euphorbia lomelii** V.W. Steinmann
[*Pedilanthus macrocarpus* Bentham]
- Euphorbia magdalenae** Bentham
[*Chamaesyce magdalenae* (Bentham) Millspaugh]
- Euphorbia pediculifera** Engelmans var. **linearifolia** S. Watson (T)
- Euphorbia pediculifera** var. **pediculifera**
- Euphorbia petrina** S. Watson
[*Chamaesyce petrina* (S. Watson) Millspaugh. *Euphorbia polycarpa* Bentham var. *petrina* (S. Watson) I.M. Johnston]
- Euphorbia polycarpa** Bentham
[*Chamaesyce polycarpa* (Bentham) Millspaugh. *Euphorbia intermixta* S. Watson (T). *E. polycarpa* var. *hirtella* Boissier]
- ****Euphorbia prostrata** Aiton
[*Chamaesyce prostrata* (Aiton) Small]
- ***Euphorbia serpens** Kunth
[*Chamaesyce serpens* (Kunth) Small]
- Euphorbia setiloba** Engelmans ex Torrey
[*Chamaesyce setiloba* (Engelmans) Millspaugh]
- ****Euphorbia tirucalli** Linnaeus
- Euphorbia tomentulosa** S. Watson
[*Chamaesyce tomentulosa* (S. Watson) Millspaugh]
- Euphorbia trachysperma** Engelmans
[*Chamaesyce trachysperma* (Engelmans) Millspaugh]
- Euphorbia xanti** Engelmans ex Boissier
- Jatropha cardiophylla** (Torrey) Müller Argoviensis
- Jatropha cinerea** (Ortega) Müller Argoviensis
[*J. canescens* (Bentham) Müller Argoviensis]
- Jatropha cordata** (Ortega) Müller Argoviensis
- Jatropha cuneata** Wiggins & Rollins
- Manihot angustiloba** (Torrey) Müller Argoviensis
- Manihot davisiae** Croizat
- Manihot rubricaulis** I.M. Johnston
- Pleradenophora bilocularis** (S. Watson) Esser & A.L. Melo
[*Sapium biloculare* (S. Watson) Pax. *Sebastiania bilocularis* S. Watson]
- ***Ricinus communis** Linnaeus
- Tragia jonesii** Radcliffe-Smith & Govaerts
[*T. scandens* M.E. Jones (T), not *T. scandens* Linnaeus]

FABACEAE

Acacia angustissima, see *Acaciella angustissima*

Acacia californica, see *Vachellia californica*

- Acacia cochliacantha*, see *Vachellia campechiana*
Acacia constricta, see *Vachellia constricta*
Acacia farnesiana, see *Vachellia farnesiana*
Acacia occidentalis, see *Senegalia occidentalis*
Acacia russelliana, see *Mariosousa russelliana*
Acacia willardiana, see *Mariosousa heterophylla*
Acaciella angustissima (Miller) Britton & Rose
 [*Acacia angustissima* (Miller) Kuntze. *A. filicina* Willdenow]
Aeschynomene fascicularis Schlechtendal & Chamisso
Albizia sinaloensis Britton & Rose
Astragalus nuttallianus de Candolle var. **cedrosensis** M.E. Jones
***Caesalpinia cacalaco*, see *Tara cacalaco*
Caesalpinia palmeri, see *Erythrostemon palmeri*
***Caesalpinia pulcherrima** (Linnaeus) Swartz
 [*Poinciana pulcherrima* Linnaeus]
Caesalpinia pumila, see *Coulteria pumila*
Calliandra californica Benth
Calliandra eriophylla Benth
Cercidium ×*sonorae*, see *Parkinsonia* ×*sonorae*
Chamaecrista nictitans (Linnaeus) Moench var. **leptadenia** (Greenman) Gandhi & S.L. Hatch
 [*Cassia leptadenia* Greenman var. *mensalis* Greenman. *Chamaecrista nictitans* var. *mensalis*
 (Greenman) H.S. Irwin & Barneby]
Coulteria pumila (Britton & Rose) Sotuyo & G.P. Lewis
 [*Caesalpinia pumila* (Britton & Rose) F.J. Hermann. *Guaymasia pumila* Britton & Rose (T),
 based on *Caesalpinia gracilis* Benth ex Hemsley, not *C. gracilis* Miquel]
Coursetia caribaea (Jacquin) Lavin var. **caribaea**
Coursetia glandulosa A. Gray
 [*Pictetia microphylla* Benth ex Hemsley (T)]
Dalea bicolor Humboldt & Bonpland ex Willdenow var. **bicolor**
Dalea mollis Benth
Dalea pringlei A. Gray var. **multijuga** Barneby
Dalea purpusii Brandegee
Desmanthus bicornutus S. Watson
Desmanthus covillei (Britton & Rose) Wiggins
 [*Acuan bicornutum* (S. Watson) Britton & Rose. *A. subulatum* Britton & Rose. *Desmanthus*
 subulatus (Britton & Rose) Wiggins]
Desmodium procumbens (Miller) Hitchcock
 [*D. scopulorum* S. Watson (T). *D. wigginsii* Schubert]
Diphysa occidentalis Rose (T)
Erythrina flabelliformis Kearney
Erythrostemon palmeri (S. Watson) E. Gagnon & G.P. Lewis
 [*Caesalpinia arida* (Britton & Rose) Wiggins. *C. palmeri* S. Watson (T). *Poinciana palmeri* (S.
 Watson) Britton & Rose. *P. palmeri* (S. Watson) Rose]
Galactia wrightii A. Gray
Galactia sp.
Haematoxylum brasiletto H. Karsten
Havardia sonorae (S. Watson) Britton & Rose
 [*Pithecellobium sonorae* S. Watson (T)]
Indigofera jamaicensis Sprengel
 [*I. laevis* Rydberg (T)]
***Indigofera suffruticosa** Miller

- ***Leucaena leucocephala** (Lamarck) de Wit subsp. **glabrata** (Rose) S. Zárate
Lupinus arizonicus (S. Watson) S. Watson
Lysiloma candidum Brandegee
Lysiloma divaricatum (Jacquin) J.F. Macbride
 [*L. microphyllum* Bentham]
Lysiloma watsonii Rose
 [*L. microphyllum* var. *thornberi* (Britton & Rose) Isely. *L. thornberi* Britton & Rose]
Macroptilium atropurpureum (Sessé & Moçño ex de Candolle) Urban
Marina alamosana (Rose ex Rydberg) Barneby
Marina evanescens (Brandegee) Barneby
 [*Dalea evanescens* Brandegee. *Petalostemon evanescens* (Brandegee) Rose]
Marina parryi (Torrey & A. Gray) Barneby
 [*Dalea parryi* Torrey & A. Gray]
Marina vetula (Brandegee) Barneby
 [*Dalea vetula* Brandegee]
Mariosousa heterophylla (Bentham) Seigler & Ebinger
 [*Acacia willardiana* Rose (T). *Mariosousa willardiana* (Rose) Seigler & Ebinger. *Prosopis heterophylla* Bentham (T)]
Mariosousa russelliana (Britton & Rose) Seigler & Ebinger
 [*Acacia coulteri* Bentham, in part. *A. russelliana* (Britton & Rose) Lundell]
***Medicago polymorpha** Linnaeus
****Medicago sativa** Linnaeus
***Melilotus indicus** (Linnaeus) Allioni
Mimosa aculeaticarpa Ortega var. **biuncifera** (Bentham) Barneby
 [*M. biuncifera* Bentham]
Mimosa distachya Cavanilles var. **laxiflora** (Bentham) Barneby
 [*M. laxiflora* Bentham]
Nissolia schottii (Torrey) A. Gray
Olneya tesota A. Gray
***Parkinsonia aculeata** Linnaeus
Parkinsonia × **carterae** Hawkins
Parkinsonia florida (Bentham ex A. Gray) S. Watson subsp. **florida**
 [*Cercidium floridum* Bentham ex A. Gray subsp. *floridum*]
Parkinsonia florida subsp. **peninsulare** (Rose) Hawkins & Felger
 [*Cercidium floridum* subsp. *peninsulare* (Rose) Carter. *C. peninsulare* Rose]
Parkinsonia microphylla Torrey
 [*Cercidium microphyllum* (Torrey) Rose & I.M. Johnston]
Parkinsonia praecox (Ruiz & Pavón ex Hooker) Hawkins
 [*Cercidium praecox* (Ruiz & Pavón ex Hooker) Harms]
Parkinsonia × **sonorae** (Rose & I.M. Johnston ex I.M. Johnston) Hawkins & Felger
 [*Cercidium molle* I.M. Johnston. *C. ×sonorae* Rose & I.M. Johnston ex I.M. Johnston (T)]
Phaseolus acutifolius A. Gray var. **acutifolius**
Phaseolus filiformis Bentham
Piscidia mollis Rose
****Pithecellobium dulce** (Roxburgh) Bentham
****Prosopis alba** Grisebach
Prosopis articulata S. Watson (T)
Prosopis glandulosa Torrey var. **torreyana** (L.D. Benson) M.C. Johnston
 [*P. juliflora* (Swartz) de Candolle var. *torreyana* L.D. Benson]
Psoralethamnus emoryi (A. Gray) Rydberg var. **emoryi**
 [*Dalea emoryi* A. Gray]

- Rhynchosia minima** (Linnaeus) de Candolle
Rhynchosia preclatoria (Humboldt & Bonpland ex Willdenow) de Candolle
Senegalia occidentalis (Rose) Britton & Rose
 [*Acacia occidentalis* Rose]
Senna covesii (A. Gray) H.S. Irwin & Barneby
 [*Cassia covesii* A. Gray]
Senna pallida (Vahl) H.S. Irwin & Barneby var. **shreveana** H.S. Irwin & Barneby
Sesbania herbacea (Miller) McVaugh
Sphinctospermum constrictum (S. Watson) Rose
 [*Tephrosia constricta* S. Watson (T)]
****Tamarindus indica** Linnaeus
****Tara cacalaco** (Bonpland) Molinari-Nova & Sánchez Ocharan
 [*Caesalpinia cacalaco* Bonpland]
Tephrosia tenella A. Gray
 [*T. vicioides* Schlechtendal]
Vachellia californica (Brandege) Seigler & Ebinger
 [*Acacia californica* Brandege. *A. pringlei* Rose subsp. *californica* (Brandege) Lee, Seigler & Ebinger. *A. sonorensis* Rose (T)]
Vachellia campechiana (Miller) Seigler & Ebinger
 [*Acacia cochliacantha* Humboldt & Bonpland ex Willdenow. *A. cymbispina* Sprague & Riley (T)]
Vachellia constricta (Benth) Seigler & Ebinger
 [*Acacia constricta* Benth]
Vachellia farnesiana (Linnaeus) Wight & Arnott
 [*Acacia farnesiana* (Linnaeus) Willdenow. *A. minuta* (M.E. Jones) Beauchamp subsp. *densiflora* (Alexander ex Small) Beauchamp. *A. smallii* Isely]
Zapoteca formosa (Kunth) H.M. Hernández subsp. **rosei** (Wiggins) H.M. Hernández
 [*Calliandra rosei* Wiggins. *C. schottii* subsp. *rosei* (Wiggins) Felger & Lowe]

FOUQUIERIACEAE

- Fouquieria diguetii** (van Tieghem) I.M. Johnston
Fouquieria macdougallii Nash
Fouquieria splendens Engelman subsp. **splendens**

GENTIANACEAE

- Zeltnera arizonica** (A. Gray) G. Mansion
 [*Centaurium arizonicum* (A. Gray) A. Heller. *C. calycosum* var. *arizonicum* (A. Gray) Tidestrom]
Zeltnera nudicaulis (Engelmann) G. Mansion
 [*Centaurium nudicaule* (Engelmann) B.L. Robinson]

HELIOTROPIACEAE

- Euploca convolvulacea** Nuttall
 [*E. convolvulacea* subsp. *californica* (Greene) Abrams. *Heliotropium convolvulaceum* (Nuttall) A. Gray. *H. convolvulaceum* var. *californicum* (Greene) I.M. Johnston]
Euploca procumbens (Miller) Diane & Hilger
 [*Heliotropium procumbens* Miller]
Heliotropium angiospermum Murray
Heliotropium curassavicum Linnaeus var. **oculatum** (A. Heller) I.M. Johnston ex Tidestrom
Heliotropium wigginsii I.M. Johnston (T)
Myriopus volubilis (Linnaeus) Small

[*Tournefortia volubilis* Linnaeus]

Tournefortia hartwegiana Steudel

HYDROPHYLLACEAE

Eucrypta chrysanthemifolia (Benth) Greene var. **bipinnatifida** (Torrey) Constance

Eucrypta micrantha (Torrey) Heller

Phacelia crenulata Torrey ex S. Watson

[*P. ambigua* M.E. Jones. *P. crenulata* var. *minutiflora* (J.W. Voss ex Munz) Jepson]

Phacelia distans Benth

Phacelia scariosa Brandegee

KOEBERLINIACEAE

Koerberlinia spinosa Zuccarini var. **tenuispina** Kearney & Peebles

KRAMERIACEAE

Krameria erecta Willdenow ex Schultes

[*K. parvifolia* Benth]

Krameria sonora Britton (T)

LAMIACEAE

Condea albida (Kunth) Harley & J.F.B. Pastore

[*Condea emoryi* (Torrey) Harley & J.F.B. Pastore. *Hyptis albida* Kunth. *H. emoryi* Torrey. *H. emoryi* var. *palmeri* (S. Watson) I.M. Johnston. *H. palmeri* S. Watson (T)]

Salvia lasiocephala Hooker & Arnott

Salvia misella Kunth

[*S. privoides* Benth. *S. riparia* Kunth]

Salvia palmetorum González-Gallegos & Carnahan ined. (T)

Salvia similis Brandegee

Stachys coccinea Ortega

[*S. coccinea* Jacquin]

Teucrium cubense Jacquin subsp. **depressum** (Small) McClintock & Epling

[*T. cubense* var. *densum* Jepson. *T. depressum* Small]

Vitex mollis Kunth

****Vitex trifolia** Linnaeus

LINACEAE

***Linum usitatissimum** Linnaeus

LOASACEAE

Eucnide cordata Kellogg ex Curran

Eucnide rupestris (Baillon) H.J. Thompson & W.R. Ernst

[*Loasella rupestris* Baillon (T). *Sympetaleia rupestris* (Baillon) A. Gray ex S. Watson]

Mentzelia adhaerens Benth

Mentzelia aspera Linnaeus

Mentzelia longiloba J. Darlington var. **longiloba**

[*M. multiflora* (Nuttall) A. Gray subsp. *longiloba* (J. Darlington) Felger]

LORANTHACEAE

Psittacanthus calyculatus (de Candolle) G. Don

Psittacanthus sonora (S. Watson) Kuijt

[*Loranthus sonora* S. Watson (T). *Phrygilanthus sonora* (S. Watson) Standley]

Struthanthus palmeri Kuijt

[*S. haenkei* (Presl) Engler sensu lato, in part. *S. haenkei* var. *angustatus* I.M. Johnston (T)]

LYTHRACEAE

Ammannia robusta Heer & Regel

MALPIGHIACEAE

Callaeum macropterum (Moçinho & Sessé ex de Candolle) D.M. Johnson

[*Mascagnia macroptera* (Moçinho & Sessé ex de Candolle) Niedenzu]

Cottisia californica (Benth) W.R. Anderson & C. Davis

[*C. scandens* Dubard & Dop (T). *Janusia californica* Benth]

Cottisia gracilis (A. Gray) W.R. Anderson & C. Davis

[*Janusia gracilis* A. Gray]

Cottisia linearis (Wiggins) W.R. Anderson & C. Davis

[*Janusia linearis* Wiggins]

Echinopterys eglandulosa (A. de Jussieu) Small

[*Bunchosia eglandulosa* A. de Jussieu]

Galphimia angustifolia Benth

[*G. angustifolia* var. *oblongifolia* (A. Gray) S. Watson (T). *Thryallis angustifolia* (Benth) Kuntze]

Malpighia watsonii Rose

[*Bunchosia parvifolia* S. Watson (T), not *Malpighia parvifolia* A. de Jussieu. *Malpighia sonora* M.E. Jones (T)]

MALVACEAE (includes Bombacaceae, Sterculiaceae, and Tiliaceae)

Abutilon abutiloides (Jacquin) Garcke ex Hochreutiner

[*A. scabrum* S. Watson (T)]

Abutilon californicum Benth

Abutilon incanum (Link) Sweet

[*A. pringlei* Hochreutiner]

Abutilon mollicomum (Willdenow) Sweet

Abutilon palmeri A. Gray (T)

[*A. aurantiacum* S. Watson, not *A. aurantiacum* Linden ex Turczaninow]

Abutilon parishii S. Watson

Abutilon reventum S. Watson

Anoda crenatiflora Ortega

Anoda pentaschista A. Gray

Ayenia filiformis S. Watson (T)

[*A. compacta* Rose. *A. pusilla* of various authors, not *A. pusilla* Linnaeus]

Ayenia jaliscana S. Watson

Briquetia sonora Fryxell (T)

Ceiba aesculifolia (Kunth) Britten & Baker f.

[*C. acuminata* (S. Watson) Rose]

Corchorus hirtus Linnaeus

[*C. orinocensis* Kunth. *C. hirtus* var. *orinocensis* (Kunth) K. Schumann]

****Corchorus olitorius** Linnaeus

Gossypium davidsonii Kellogg

****Gossypium hirsutum** Linnaeus

Gossypium turneri Fryxell (T)

Guazuma ulmifolia Lamarck

Helicteres baruensis Jacquin

Heliocarpus attenuatus S. Watson
Herissantia crispa (Linnaeus) Brizicky
Hermannia pauciflora S. Watson
Hibiscus biseptus S. Watson
Hibiscus denudatus Benth
Hibiscus phoeniceus Jacquin
Horsfordia newberryi (S. Watson) A. Gray
Kosteletzkya hispidula (Sprengel) Garcke
 [*K. coulteri* A. Gray. *K. digitata* A. Gray (T)]
***Malva parviflora** Linnaeus
Malvastrum bicuspidatum (S. Watson) Rose subsp. **bicuspidatum**
Malvastrum coromandelianum (Linnaeus) Garcke
 [*Malva coromandeliana* Linnaeus]
Malvella leprosa (Ortega) Krapovickas
Melochia tomentosa Linnaeus
 [*M. arida* Rose (T). *M. speciosa* S. Watson (T). *M. tomentosa* var. *speciosa* (S. Watson) A. Goldberg]
Pseudabutilon thurberi (A. Gray) Fryxell
 [*Abutilon thurberi* A. Gray. *Pseudabutilon sonorae* Wiggins]
Sida abutilifolia Miller
****Sida acuta** Burman f.
****Sida ciliaris** Linnaeus
Sida glabra Miller
Sida hyalina Fryxell
Sphaeralcea ambigua A. Gray subsp. **ambigua**
Sphaeralcea coulteri (S. Watson) A. Gray
Sphaeralcea emoryi Torrey ex A. Gray
 [*S. arida* Rose (T)]
****Talipariti tiliaceum** (Linnaeus) Fryxell var. **tiliaceum**
 [*Hibiscus tiliaceus* Linnaeus]
Waltheria indica Linnaeus

MARTYNIACEAE

Proboscidea altheifolia (Benth) Decaisne
Proboscidea parviflora (Wooton) Wooton & Standley subsp. **sinaloensis** (Van Eseltine) Bretting
 [*P. sinaloensis* Van Eseltine]

MELIACEAE

****Melia azedarach** Linnaeus

MENISPERMACEAE

Cocculus diversifolius de Candolle

MOLLUGINACEAE

****Glinus lotoides** Linnaeus
Glinus radiatus (Ruiz & Pavón) Rohrbach
***Mollugo cerviana** (Linnaeus) Seringe
Mollugo verticillata Linnaeus

MORACEAE

Ficus insipida Willdenow

[*F. radulina* S. Watson]

Ficus palmeri S. Watson

[*F. petiolaris* Kunth subsp. *palmeri* (S. Watson) Felger & Lowe]

Ficus pertusa Linnaeus f.

[*F. fasciculata* S. Watson (T), not *F. fasciculata* F. Mueller ex Benth. *F. padifolia* Kunth. *F. sonorae* S. Watson (T)]

MORINGACEAE

****Moringa oleifera** Lamarck

NAMACEAE

Nama hispida A. Gray var. **sonorae** C.L. Hitchcock

Nama jamaicensis Linnaeus

Nama stenocarpa A. Gray

NYCTAGINACEAE

Abronia maritima Nuttall ex S. Watson subsp. **maritima**

Allionia incarnata Linnaeus

[*A. incarnata* var. *nudata* (Standley) Munz. *A. incarnata* var. *villosa* (Standley) B.L. Turner]

Boerhavia alata S. Watson (T)

Boerhavia coccinea Miller

[*B. caribaea* Jacquin]

Boerhavia erecta Linnaeus

Boerhavia gracillima Heimerl

Boerhavia spicata Choisy

[*B. coulteri* (Hooker f.) S. Watson. *B. palmeri* S. Watson, 1889 (T), not *B. palmeri* S. Watson, 1883. *B. spicata* Choisy var. *palmeri* S. Watson (T). *B. watsonii* Standley (T). *Senkenbergia coulteri* Hooker f. (T)]

Boerhavia triquetra S. Watson

[*B. intermedia* M.E. Jones. *B. maculata* Standley (T). *B. triquetra* var. *intermedia* (M.E. Jones) Spellenberg]

Boerhavia wrightii A. Gray

Boerhavia xanti S. Watson

Commicarpus scandens (Linnaeus) Standley

Pisonia capitata (S. Watson) Standley

[*Cryptocarpus capitatus* S. Watson (T)]

Salpianthus macrodontus Standley

OLACACEAE, see SCHOEPFIACEAE and XIMENIACEAE

OLEACEAE

Forestiera angustifolia Torrey

Menodora scabra A. Gray

[*M. scoparia* Engelmann ex A. Gray]

ONAGRACEAE

Eremothera chamaenerioides (A. Gray) W.L. Wagner & Hoch

[*Camissonia chamaenerioides* (A. Gray) P.H. Raven. *Oenothera chamaenerioides* A. Gray]

Ludwigia octovalvis (Jacquin) P.H. Raven subsp. **octovalvis**

Ludwigia peplodes (Kunth) P.H. Raven

Oenothera arizonica (Munz) W.L. Wagner

[*O. avita* (W.M. Klein) W.M. Klein subsp. *arizonica* (Munz) W.M. Klein. *O. californica* S. Watson subsp. *arizonica* (Munz) W.M. Klein]

Oenothera kunthiana (Spach) Munz

OXALIDACEAE

****Oxalis corniculata** Linnaeus

****Oxalis pes-caprae** Linnaeus

PAPAVERACEAE

Argemone gracilenta Greene

[*A. intermedia* Sweet]

Argemone ochroleuca Sweet

PASSIFLORACEAE

Passiflora arida (Masters & Rose) Killip

[*P. foetida* Linnaeus var. *arida* Masters & Rose (T)]

Passiflora arizonica (Killip) D.H. Goldman

[*P. foetida* var. *arizonica* Killip]

Passiflora mexicana de Jussieu

Turnera diffusa Willdenow var. **diffusa**

PEDALIACEAE

****Sesamum indicum** Linnaeus

[*S. orientale* Linnaeus]

PETIVERIACEAE

Rivina humilis Linnaeus

PHRYMACEAE

Erythranthe floribunda (Douglas ex Lindley) G.L. Nesom

[*Mimulus floribundus* Douglas ex Lindley]

PHYLLANTHACEAE

Andrachne microphylla (Lamarck) Baillon

[*A. ciliatoglandulosa* (Millsbaugh) Croizat]

Phyllanthus evanescens Brandegee

PHYTOLACCACEAE (*Rivina*), see PETIVERIACEAE

PLANTAGINACEAE (includes Scrophulariaceae, in part)

Callitriche terrestris Rafinesque

[*C. deflexa* A. Braun ex Hegelmaier]

Gambelia juncea (Bentham) D.A. Sutton

[*Galvezia juncea* (Bentham) Ball]

Mecardonia procumbens (Miller) Small

[*Bacopa procumbens* (Miller) Greenman. *Mecardonia vandellioides* (Kunth) Pennell]

Nuttallanthus texanus (Scheele) D.A. Sutton

[*Linaria canadensis* (Linnaeus) Dumont de Courset var. *texana* (Scheele) Pennell]

Plantago ovata Forsskål var. **fastigiata** (Morris) S.C. Meyers & Liston

[*P. fastigiata* E. Morris. *P. insularis* Eastwood var. *fastigiata* (E. Morris) Jepson]

Pseudorontium cyathiferum (Bentham) Rothmaler

- [*Antirrhinum cyathiferum* Bentham]
Russelia sonorensis Carlson var. **pubescens** Carlson
Sairocarpus costatus (Wiggins) D.A. Sutton
[*Antirrhinum costatum* Wiggins (T)]
Sairocarpus watsonii (Vasey & Rose) D.A. Sutton
[*Antirrhinum kingii* S. Watson var. *watsonii* (Vasey & Rose) Munz. *A. watsonii* Vasey & Rose]
Schistophragma intermedium (A. Gray) Pennell
[*Conobea intermedia* A. Gray]
Schistophragma polystachyum (Brandegee) B.L. Turner
[*Conobea polystachya* (Brandegee) Minod. *Stemodia polystachya* Brandegee]
Stemodia durantifolia (Linnaeus) Swartz var. **durantifolia**
Stemodia palmeri A. Gray
Veronica peregrina Linnaeus subsp. **xalapensis** (Kunth) Pennell

PLUMBAGINACEAE

- Plumbago zeylanica** Linnaeus
[*P. scandens* Linnaeus]

POLEMONIACEAE

- Dayia sonorae** (Rose) J.M. Porter
[*Gilia sonorae* Rose (T). *Ipomopsis sonorae* (Rose) A. Grant]

POLYGALACEAE

- Hebecarpa macradenia** (A. Gray) J.R. Abbott
[*Polygala macradenia* A. Gray]

POLYGONACEAE

- Antigonon leptopus** Hooker & Arnott
Coccoloba goldmanii Standley
***Persicaria maculosa** Gray
[*Polygonum persicaria* Linnaeus. *Polygonum fusiforme* Greene. *Persicaria fusiformis* (Greene) Greene]
Persicaria sp.
***Polygonum argyrocoleon** Steudel ex Kunze
Rumex inconspicuus Rechinger f.

PORTULACACEAE

- Portulaca halimoides** Linnaeus
[*P. parvula* A. Gray]
Portulaca johnstonii Henrickson
***Portulaca oleracea** Linnaeus
[*P. retusa* Engelmann, perhaps not *P. retusa* of western authors]
Portulaca suffrutescens Engelmann
Portulaca umbraticola Kunth subsp. **lanceolata** (Engelmann) J.F. Matthews & Ketron
[*P. lanceolata* Engelmann]

PRIMULACEAE

- ***Anagallis arvensis** Linnaeus
Bonellia macrocarpa (Cavanilles) B. Ståhl & Källersjö subsp. **pungens** (A. Gray) B. Ståhl & Källersjö
[*Jacquinia macrocarpa* Cavanilles subsp. *pungens* (A. Gray) B. Ståhl. *J. pungens* A. Gray]

Samolus parviflorus Rafinesque
[*S. floribundus* Kunth]

RANUNCULACEAE

Clematis drummondii Torrey & A. Gray

RESEDACEAE

Forchhammeria watsonii Rose (T)

Oligomeris linifolia (Vahl) J.F. Macbride

RHAMNACEAE

Colubrina californica I.M. Johnston

Colubrina triflora Brongniart ex G. Don

Colubrina viridis (M.E. Jones) M.C. Johnston

[*C. glabra* S. Watson (T)]

Condalia globosa I.M. Johnston var. **globosa**

Condalia globosa var. **pubescens** I.M. Johnston

Gouania rosei Wiggins

Karwinskia humboldtiana (Roemer & Schultes) Zuccarini

[*K. parvifolia* Rose]

Sarcomphalus amole (Sessé & Mociño) Hauenschild

[*Ziziphus amole* (Sessé & Mociño) M.C. Johnston. *Z. sonorensis* S. Watson (T)]

Sarcomphalus obtusifolius (Hooker ex Torrey & A. Gray) Hauenschild var. **canescens** (A. Gray)

Hauenschild

[*Condaliopsis lycioides* (A. Gray) Suessenguth var. *canescens* (A. Gray) Suessenguth.

Ziziphus obtusifolia (Hooker ex Torrey & A. Gray) A. Gray var. *canescens* (A. Gray) M.C. Johnston]

RHIZOPHORACEAE

Rhizophora mangle Linnaeus

RUBIACEAE

Chiococca petrina Wiggins

Diodia teres Walter

Galium microphyllum A. Gray

Galium proliferum A. Gray

Hintonia latiflora (de Candolle) Bullock

[*Coutarea latiflora* de Candolle. *C. pterosperma* (S. Watson) Standley. *Portlandia pterosperma* S. Watson (T)]

****Oldenlandia corymbosa** Linnaeus

Randia obcordata S. Watson (T)

Randia sonorensis Wiggins

Randia thurberi S. Watson (T)

Stenaria sanchezii Lorence (T)

RUTACEAE

Amyris balsamifera Linnaeus

Esenbeckia hartmanii B.L. Robinson & Fernald

Zanthoxylum fagara (Linnaeus) Sargent

[*Z. sonorensis* Lundell]

Zanthoxylum mazatlanum Sandwith

SALICACEAE

Populus mexicana de Candolle subsp. **dimorpha** (Brandege) Eckenwalder
[*P. dimorpha* Brandege]

Salix gooddingii C.R. Ball

SANTALACEAE

Phoradendron brachystachyum (de Candolle) Oliver
[*P. brachystachyum* (de Candolle) Nuttall. *P. diguetianum* van Tieghem. *P. globuliferum*
Trelease (T)]

Phoradendron californicum Nuttall

SAPINDACEAE

Cardiospermum corindum Linnaeus

Dodonaea viscosa Jacquin

[*D. angustifolia* Linnaeus f. *D. viscosa* var. *angustifolia* (Linnaeus f.) Bentham]

Sapindus saponaria Linnaeus

Serjania palmeri S. Watson (T)

Serjania sonorensis (S. Watson) Ferrucci & V.W. Steinmann

[*Paullinia sonorensis* S. Watson (T)]

SAPOTACEAE

Sideroxylon occidentale (Hemsley) T.D. Pennington

[*Bumelia occidentalis* Hemsley]

SCHOEPIACEAE

Schoepfia shreveana Wiggins (T)

SIMMONDSIACEAE

Simmondsia chinensis (Link) C.K. Schneider

SOLANACEAE

Calibrachoa parviflora (de Jussieu) D'Arcy

[*Petunia parviflora* de Jussieu]

Capsicum annuum Linnaeus var. **glabrusculum** (Dunal) Heiser & Pickersgill

[*C. annuum* var. *aviculare* (Dierbach) D'Arcy & Eshbaugh, nom. illegit. *C. indicum* Dierbach
forma *aviculare* Dierbach]

Datura discolor Bernhardt

Lycium andersonii A. Gray var. **andersonii**

[*L. andersonii* var. *deserticola* (C.L. Hitchcock) Jepson. *L. andersonii* var. *pubescens* S.
Watson. *L. andersonii* var. *wrightii* A. Gray]

Lycium berlandieri Dunal var. **longistylum** C.L. Hitchcock

Lycium berlandieri var. **peninsulare** (Brandege) C.L. Hitchcock

Lycium brevipes Bentham var. **brevipes**

[*L. palmeri* A. Gray (T). *L. richii* A. Gray]

Lycium californicum Nuttall ex A. Gray subsp. **carinatum** (S. Watson) Felger & C.H. Lowe

[*L. carinatum* S. Watson (T)]

Lycium exsertum A. Gray

Lycium fremontii A. Gray var. **fremontii**

Lycium macrodon A. Gray var. **dispermum** (Wiggins) F. Chiang

[*L. dispermum* Wiggins (T)]

Nicotiana clevelandii A. Gray

***Nicotiana glauca** Graham var. **glauca**

Nicotiana obtusifolia M. Martens & Galeotti

[*N. palmeri* A. Gray. *N. trigonophylla* Dunal. *N. trigonophylla* var. *palmeri* (A. Gray) M.E. Jones]

Petunia parviflora, see *Calibrachoa parviflora*

Physalis acutifolia (Miers) Sandwith

[*P. wrightii* A. Gray]

Physalis crassifolia Benth

[*P. crassifolia* var. *versicolor* (Rydberg) Waterfall. *P. versicolor* Rydberg (T). *P. versicolor* var. *microphylla* Rydberg (T)]

Physalis pubescens Linnaeus

[*P. pubescens* var. *integrifolia* (Dunal) Waterfall]

Physalis purpurea Wiggins (T)

***Solanum americanum** Miller

[*S. nodiflorum* Jacquin]

Solanum elaeagnifolium Cavanilles

Solanum erianthum D. Don

[*S. verbascifolium* of authors, not Linnaeus]

Solanum hindsianum Benth

Solanum houstonii Martyn

[*S. amazonium* Ker Gawler. *S. caroliniense* Miller. *S. tridynamum* Dunal]

***Solanum lycopersicum** Linnaeus

[*Lycopersicum esculentum* Miller]

STEGNOSPERMATACEAE

Stegnosperma halimifolium Benth

[*S. watsonii* D.J. Rogers]

TALINACEAE

Talinum paniculatum (Jacquin) Gaertner

TAMARICACEAE

***Tamarix aphylla** (Linnaeus) H. Karsten

***Tamarix chinensis** Loureiro

[*T. ramosissima* Ledebour]

THEOPHRASTACEAE, see PRIMULACEAE

URTICACEAE

Parietaria hespera B.D. Hinton var. **hespera**

VERBENACEAE

Aloysia sonorensis Moldenke (T)

Bouchea dissecta S. Watson (T)

Citharexylum flabellifolium S. Watson (T)

Glandularia gooddingii (Briquet) Solbrig

[*Verbena gooddingii* Briquet. *V. gooddingii* var. *nepetifolia* Tidestrom]

Lantana camara Linnaeus

Lantana hispida Kunth

[*L. velutina* M. Martens & Galeotti]

Lippia palmeri S. Watson (T)

[*L. palmeri* var. *spicata* Rose]

Phyla nodiflora (Linnaeus) Greene

[*Lippia nodiflora* (Linnaeus) Michaux. *Phyla nodiflora* var. *incisa* (Small) Moldenke]

Verbena menthifolia Benth

[*V. officinalis* Linnaeus subsp. *halei* (Small) S. Barber. *V. halei* Small]

VIOLACEAE

Hybanthus fruticosus (Benth) I.M. Johnston

[*H. fruticosus* var. *flavescens* (Dowell) I.M. Johnston (T)]

Hybanthus mexicanus Gingins

VITACEAE

Cissus mexicana de Candolle

[*C. mayoensis* Gentry]

Cissus trifoliata (Linnaeus) Linnaeus

Cissus verticillata (Linnaeus) Nicolson & C.E. Jarvis

[*C. sicyoides* Linnaeus. *Viscum verticillatum* Linnaeus]

XIMENIACEAE

Ximenia glauca (DeFilipps) Bentouil

[*X. parviflora* Benth var. *glauca* DeFilipps]

ZYGOPHYLLACEAE

Fagonia barclayana (Benth) Rydberg

[sensu Wiggins 1964. *F. californica* Benth var. *barclayana* Benth, but not as to type]

Fagonia laevis Standley

[*F. californica* subsp. *laevis* (Standley) Wiggins]

Guaiacum coulteri A. Gray

[*G. palmeri* Vail (T)]

Kallstroemia californica (S. Watson) Vail

Kallstroemia grandiflora Torrey ex A. Gray

Larrea tridentata (de Candolle) Coville var. **tridentata**

[*L. divaricata* Cavanilles subsp. *tridentata* (de Candolle) Felger & C.H. Lowe]

***Tribulus terrestris** Linnaeus

Viscainoa geniculata (Kellogg) Greene var. **geniculata**

MONOCOTS

ALISMATACEAE

Echinodorus berteroi (Sprengel) Fassett

[*Echinodorus rostratus* (Nuttall) Engelm]

Limnocharis flava (Linnaeus) Buchenau

[*Alisma flava* Linnaeus]

Sagittaria longiloba Engelm ex J.G. Smith

Sagittaria montevidensis Chamisso & Schlechtendal subsp. **calycina** (Engelm) Bogin

AMARYLLIDACEAE

Hymenocallis sonorensis Standley

Nothoscordum bivalve (Linnaeus) Britton

ARACEAE (includes Lemnaceae)

Lemna aequinoctialis Welwitsch

Lemna sp.

ARECACEAE

Brahea brandegeei (Purpus) H.E. Moore

[*Brahea clara* (L.H. Bailey) Espejo & López-Ferrari. *B. elegans* (Franceschi ex Beccari) H.E. Moore. *B. roezlii* sensu Wiggins, not *B. roezlii* Linden. *Erythea brandegeei* Purpus. *E. clara* L.H. Bailey (T). *E. elegans* Franceschi ex Beccari]

***Phoenix dactylifera** Linnaeus

Sabal uresana Trelease

Washingtonia robusta H. Wendland

[*W. sonorae* S. Watson (T)]

ASPARAGACEAE (includes Agavaceae, Nolinaceae)

Agave angustifolia Haworth var. **angustifolia**

[*A. owenii* I.M. Johnston (T). *A. pacifica* Trelease. *A. yaquiana* Trelease]

Agave angustifolia × **A. colorata**

Agave chrysoglossa I.M. Johnston (T)

Agave colorata Gentry

Agave felgeri Gentry (T)

Dasyilirion gentryi Bogler

ASPHODELACEAE

****Aloe vera** (Linnaeus) Burman f.

BROMELIACEAE

Hechtia montana Brandegee

Tillandsia exserta Fernald

Tillandsia recurvata Linnaeus

COMMELINACEAE

Commelina erecta Linnaeus

CYMODOCEACEAE

Halodule wrightii Ascherson

CYPERACEAE

Bolboschoenus maritimus (Linnaeus) Palla

[*Scirpus maritimus* Linnaeus]

Cyperus articulatus Linnaeus var. **nodosus** (Humboldt & Bonpland ex Willdenow) Kükenthal

Cyperus canus J. Presl & C. Presl

Cyperus dentoniae G. Tucker

[*Mariscus pubescens* J. Presl & C. Presl]

Cyperus elegans Linnaeus

Cyperus entrerianus Boeckeler

Cyperus esculentus Linnaeus var. **leptostachyus** Boeckeler

Cyperus flavicomus Michaux

[*C. albomarginatus* (Martius & Schrader ex Nees) Steudel]

***Cyperus iria** Linnaeus

Cyperus ochraceus Vahl

Cyperus odoratus Linnaeus

[*C. ferax* Richard. *Mariscus ferax* (Richard) C.B. Clarke. *Torulium odoratum* (Linnaeus) S.S. Hooper]

***Cyperus rotundus** Linnaeus

Cyperus semiochraceus Boeckeler

Cyperus squarrosus Linnaeus

[*C. aristatus* Rottbøll. *Mariscus squarrosus* (Linnaeus) C.B. Clarke]

Cyperus subsquarrosus (Muhlenberg) Bauters

[*Hemicarpha micrantha* (Vahl) Pax. *Lipocarpha micrantha* (Vahl) G.C. Tucker]

Eleocharis coloradoensis (Britton) Gilly

Eleocharis geniculata (Linnaeus) Roemer & Schultes

[*E. capitata* R. Brown. *E. caribaea* (Rottbøll) S.F. Blake]

Eleocharis macrostachya Britton

Eleocharis montana (Kunth) Roemer & Schultes

[*E. montana* var. *nodulosa* (Roth) Svenson]

Eleocharis montevidensis Kunth

Fimbristylis annua (Allioni) Roemer & Schultes

[*F. laxa* Vahl]

Fimbristylis complanata (Retzius) Link

Fuirena simplex Vahl var. **simplex**

Schoenoplectus americanus (Persoon) Volkart ex Schinz & R. Keller

[*Scirpus americanus* Persoon. *S. olneyi* A. Gray of western authors]

JUNCACEAE

Juncus bufonius Linnaeus

POACEAE

Andropogon glomeratus (Walter) Britton, Sterns & Poggenburg var. **scabriglumis** C.S. Campbell

Aristida adscensionis Linnaeus

Aristida californica Thurber var. **californica**

Aristida divaricata Humboldt & Bonpland ex Willdenow

[*A. palmeri* Vasey]

Aristida ternipes Cavanilles var. **gentilis** (Henrard) Allred

[*A. gentilis* Henrard. *A. hamulosa* Henrard. *A. ternipes* var. *hamulosa* (Henrard) Trent]

Aristida ternipes var. **ternipes**

***Arundo donax** Linnaeus

***Avena fatua** Linnaeus

Bothriochloa barbinodis (Lagasca) Herter

Bouteloua aristidoides (Kunth) Grisebach

[*B. aristidoides* var. *arizonica* M.E. Jones]

Bouteloua barbata Lagasca var. **barbata**

[*B. arenosa* Vasey (T). *B. barbata* var. *sonorae* (Griffiths) Gould. *B. sonorae* Griffiths (T)]

Bouteloua diversispicula J.T. Columbus

[*Cathestecum brevifolium* Swallen]

Bouteloua parryi (E. Fournier) Griffiths

[*B. gentryi* Gould]

Bouteloua repens (Kunth) Scribner & Merrill

[*B. filiformis* (E. Fournier) Griffiths]

Brachiaria reptans, see *Urochloa reptans*

****Bromus catharticus** Vahl var. **catharticus**

***Cenchrus ciliaris** Linnaeus

[*Pennisetum ciliare* (Linnaeus) Link]

- ***Cenchrus echinatus** Linnaeus
[*C. insularis* Scribner]
- ***Cenchrus longispinus** (Hackel) Fernald
- ***Cenchrus myosuroides** Kunth var. **myosuroides**
- Cenchrus palmeri** Vasey (T)
- ***Cenchrus setaceus** (Forsskål) Morrone
[*Pennisetum ruppelii* Steudel. *P. setaceum* (Forsskål) Chiovenda]
- ***Cenchrus spinifex** Cavanilles
- ***Chloris barbata** Swartz
[*C. inflata* Link]
- Chloris crinita*, see *Leptochloa crinita*
- Chloris virgata** Swartz
- Cottea pappophoroides** Kunth
- ***Cynodon dactylon** (Linnaeus) Persoon var. **dactylon**
- ***Dactyloctenium aegyptium** (Linnaeus) Willdenow
- ***Digitaria bicornis** (Lamarck) Roemer & Schultes
- Digitaria californica** (Bentham) Henrard var. **californica**
[*Trichachne californica* (Bentham) Chase]
- ***Digitaria ciliaris** (Retzius) Koeler
[*D. adscendens* (Kunth) Henrard. *D. sanguinalis* (Linnaeus) Scopoli var. *ciliaris* (Retzius) Parlatore]
- Digitaria insularis** (Linnaeus) Mez ex Ekman
[*Trichachne insularis* (Linnaeus) Nees]
- Dinebra panicea** (Retzius) P.M. Peterson & N. Snow subsp. **brachiata** (Steudel) P.M. Peterson & N. Snow
[*Leptochloa brachiata* Steudel. *L. filiformis* (Persoon) P. Beauvois. *L. panicea* (Retzius) Ohwi subsp. *brachiata* (Steudel) N. Snow]
- ***Dinebra panicoides** (J. Presl) P.M. Peterson & N. Snow
[*Leptochloa panicoides* (J. Presl) Hitchcock]
- Dinebra viscida** (Scribner) P.M. Peterson & N. Snow
[*Leptochloa viscida* (Scribner) Beal]
- Diplachne fusca** (Linnaeus) P. Beauvois ex Roemer & Schultes subsp. **fascicularis** (Lamarck) P.M. Peterson & N. Snow
[*Leptochloa fusca* (Linnaeus) Kunth subsp. *fascicularis* (Lamarck) N. Snow]
- Diplachne fusca** subsp. **uninervia** (J. Presl) P.M. Peterson & N. Snow
[*Leptochloa fusca* subsp. *uninervia* (J. Presl) N. Snow. *L. uninervia* (J. Presl) Hitchcock & Chase]
- Disakisperma dubium** (Kunth) P.M. Peterson & N. Snow
[*Leptochloa dubia* (Kunth) Nees]
- Distichlis littoralis** (Engelmann) H.L. Bell & Columbus
[*Monanthochloe littoralis* Engelmann]
- Distichlis spicata** (Linnaeus) Greene
[*D. stricta* (Torrey) Rydberg]
- ***Echinochloa colona** (Linnaeus) Link var. **colona**
- ***Echinochloa crus-galli** (Linnaeus) P. Beauvois var. **crus-galli**
[*E. crus-galli* var. *mitis* (Pursh) Peterman]
- Echinochloa crus-pavonis** (Kunth) Schultes var. **macera** (Wiegand) Gould
- Echinochloa muricata** (P. Beauvois) Fernald var. **microstachya** Wiegand
- ***Eleusine indica** (Linnaeus) C.F. Gaertner
- Enteropogon chlorideus** (J. Presl) Clayton

- [*Chloris brandegeei* (Vasey) Swallen. *C. chloridea* (J. Presl) Hitchcock. *Gouinia brandegeei* (Vasey) Hitchcock]
- ***Eragrostis barrelieri** Daveau
- ***Eragrostis cilianensis** (Allioni) Vignolo-Lutati ex Janchen
- Eragrostis pectinacea** (Michaux) Nees var. **pectinacea**
[*E. pectinacea* var. *miserrima* (E. Fournier) Reeder]
- ***Eragrostis pilosa** (Linnaeus) P. Beauvois var. **pilosa**
- Eragrostis spicata** Vasey
- Eriochloa acuminata** (J. Presl) Kunth var. **acuminata**
[*E. acuminata* var. *minor* (Vasey) R.B. Shaw. *E. lemmonii* Vasey & Scribner var. *gracilis* (E. Fournier) Gould]
- Eriochloa aristata** Vasey var. **aristata**
- Heteropogon contortus** (Linnaeus) P. Beauvois ex Roemer & Schultes
- Hilaria belangeri** (Steudel) Nash
[*H. belangeri* var. *longifolia* (Vasey) Hitchcock. *H. cenchroides* Kunth var. *ciliata* Scribner. *H. cenchroides* var. *longifolia* Vasey (T). *H. ciliata* (Scribner) Nash]
- Jouvea pilosa** (J. Presl) Scribner
- Lasiacis ruscifolia** (Kunth) Hitchcock var. **ruscifolia**
- Leptochloa crinita** (Lagasca) P.M. Peterson & N. Snow
[*Chloris crinita* Lagasca. *Trichloris crinita* (Lagasca) Parodi. *T. mendocina* (Philippe) Kurtz]
- Leptochloa dubia*, see *Disakisperma dubium*
- Leptochloa fusca*, see *Diplachne fusca*
- Leptochloa panicea*, see *Dinebra panicea*
- **Leptochloa panicoides*, see *Dinebra panicoides*
- Leptochloa viscida*, see *Dinebra viscida*
- ****Lolium perenne** Linnaeus
[*Festuca perennis* (Linnaeus) Columbus & J.P. Smith]
- Luziola gracillima** Prodoehl
- ***Melinis repens** (Willdenow) Zizka subsp. **repens**
[*Rhynchelytrum repens* (Willdenow) C.E. Hubbard. *R. roseum* (Nees) Stapf & C.E. Hubbard]
- Monanthochloe littoralis*, see *Distichlis littoralis*
- Muhlenbergia microsperma** (de Candolle) Trinius
- Muhlenbergia rigens** (Benth) Hitchcock
- Panicum alatum** Zuloaga & Morrone
- Panicum hians*, see *Steinchisma hians*
- Panicum hirticaule** J. Presl var. **hirticaule**
[*P. hirticaule* var. *miliaceum* (Vasey) Beetle. *P. hirticaule* var. *pampinosum* (Hitchcock & Chase) Beetle. *P. hirticaule* subsp. *sonorum* (Beal) Freckmann & Lelong. *P. pampinosum* Hitchcock & Chase. *P. sonorum* Beal]
- Panicum hirticaule** var. **stramineum** (Hitchcock & Chase) Beetle
[*P. capillare* Linnaeus var. *stramineum* (Hitchcock & Chase) Gould. *P. stramineum* Hitchcock & Chase (T)]
- Pappophorum philippianum** Parodi
- Paspalidium geminatum*, see *Setaria geminata*
- Paspalum distichum** Linnaeus
- Paspalum hartwegianum** E. Fournier
- Paspalum langei** (E. Fournier) Nash
- **Pennisetum ciliare*, see *Cenchrus ciliaris*
- **Pennisetum setaceum*, see *Cenchrus setaceus*
- Phragmites australis** (Cavanilles) Trinius ex Steudel subsp. **berlandieri** (E. Fournier) Saltonstall & Hauber

- [*P. communis* Trinius]
***Poa annua** Linnaeus
***Polypogon monspeliensis** (Linnaeus) Desfontaines
***Setaria adhaerens** (Forsskål) Chiovenda
Setaria geminata (Forsskål) Veldkamp
 [*Paspalidium geminatum* (Forsskål) Stapf]
Setaria leucopila (Scribner & Merrill) K. Schumann
Setaria liebmannii E. Fournier
***Setaria parviflora** (Poiret) Kerguélen
 [*S. geniculata* P. Beauvois]
****Sorghum bicolor** (Linnaeus) Moench subsp. **bicolor**
***Sorghum halepense** (Linnaeus) Persoon
Sporobolus airoides (Torrey) Torrey subsp. **airoides**
Sporobolus contractus Hitchcock
Sporobolus coromandelianus (Retzius) Kunth
 [*S. patens* Swallen. *S. pulvinatus* Swallen. *S. pyramidatus* (Lamarck) Hitchcock]
Sporobolus cryptandrus (Torrey) A. Gray
Sporobolus flexuosus (Thurber ex Vasey) Rydberg
 [*S. cryptandrus* var. *flexuosus* Thurber ex Vasey]
Sporobolus virginicus (Linnaeus) Kunth
Steinchisma hians (Elliott) Nash
 [*Panicum hians* Elliott]
****Stenotaphrum secundatum** (Walter) Kuntze
Trichloris crinita, see *Leptochloa crinita*
Tripsacum lanceolatum Ruprecht ex E. Fournier
****Triticum aestivum** Linnaeus
Urochloa arizonica (Scribner & Merrill) Morrone & Zuloaga
 [*Brachiaria arizonica* (Scribner & Merrill) S.T. Blake. *Panicum arizonicum* Scribner & Merrill. *P. dissitiflorum* Vasey (T)]
Urochloa fusca (Swartz) B.F. Hansen & Wunderlin
 [*Brachiaria fasciculata* (Swartz) Parodi]
***Urochloa reptans** (Linnaeus) Stapf
 [*Brachiaria reptans* (Linnaeus) C.A. Gardner & C.E. Hubbard]

PONTEDERIACEAE

- ****Eichhornia azurea** (Swartz) Kunth
****Eichhornia crassipes** (C. Martius) Solms-Laubach
 [*Pontederia crassipes* C. Martius]
Heteranthera limosa (Swartz) Willdenow

POTAMOGETONACEAE

- Zannichellia palustris** Linnaeus

RUPPIACEAE

- Ruppia maritima** Linnaeus

TYPHACEAE

- Typha domingensis** Persoon

ZOSTERACEAE

- Zostera marina** Linnaeus var. **atam** T.W.H. Backman

TAXA DOUBTFUL AND EXCLUDED FROM THE GUAYMAS REGION FLORA

PTERIDACEAE

Notholaena californica de Candolle
[*Cheilanthes deserti* Mickel]

ASTERACEAE

Malperia tenuis S. Watson

FABACEAE

Tephrosia palmeri S. Watson
Vachellia pennatula (Schlechtendal & Chamisso) Seigler & Ebinger
[*Acacia pennatula* (Schlechtendal & Chamisso) Benthham]

MALVACEAE

Horsfordia rotundifolia S. Watson

RUBIACEAE

Randia echinocarpa de Candolle

POACEAE

Enneapogon desvauxii P. Beauvois
Munroa pulchella (Kunth) L.D. Amarilla
[*Dasyochloa pulchella* (Kunth) Willdenow ex Rydberg]

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