

Flora of the Ragged Top, Pima County, Arizona; Ironwood Forest National Monument;
~17,300 acres; 2085'-3907' elev.; rhyolite, granite, & quartzite substrates.

Published by John F. Wiens in The Plant Press, 25:1, Spring 2001 (updated in 2009 based on my 20+ years of fieldwork in the area and contributions from Tom Van Devender, Ana Lilia Reina G., and Mark Dimmitt from 2001-2004).

*=exotic species

Ferns and Allies

Adiantaceae

Astrolepis cochisensis

Astrolepis sinuata

Cheilanthes lindheimeri

Cheilanthes yavapense

Cheilanthes wrightii

Notholaena standleyi

Pellaea truncata

Pentagramma triangularis (=Pityrogramma triangularis)

Seliginellaceae

Selaginella arizonica

Gymnosperms

Ephedraceae

Ephedra trifurca

Angiosperms: Dicots

Acanthaceae

Anisacanthus thurberi

Carlowrightia arizonica

Justicia californica

Justicia longii (=Siphonoglossa longiflora)

Amaranthaceae

Amaranthus albus

Amaranthus fimbriatus

Amaranthus palmeri

Amaranthus ×tucsonensis

Tidestromia lanuginosa

Apiaceae

Bowlesia incana

Daucus pusillus

Spermolepis echinata

Yabea microcarpa

Apocynaceae

Haplophyton crooksii (= H. cimcidium v. crooksii)

Aristolochiaceae

Aristolochia watsonii

Asclepiadaceae

Asclepias linaria

Asclepias nyctaginifolia

Cynanchum arizonicum (= Metastelma arizonica)

Metastelma arizonica

Matelea arizonica

Matelea parviflora

Sarcostemma cynanchoides (= Funastrum cynanchoides)

Asteraceae

Acourtia nana

Acourtia wrightii

Adenophylla porophylloides (= Dyssodia porophylloides)

Ambrosia ambrosioides

Ambrosia confertiflora

Ambrosia deltoidea

Ambrosia salsola (= Hymenoclea salsola)

Baccharis sarothroides

Bahiopsis parishii (= Viguiera deltoidea, V. parishii)

Baileya multiradiata

Bebbia juncea

Brickellia baccharidea

Brickellia californica

Brickellia coulteri

Calycoseris wrightii

Chaenactis carphoclinia

Chaenactis stevioides

Diaperia verna (= Evax verna & E. multicaulis)

Encelia farinosa

Ericameria cuneata v. spathulata

Ericameria laricifolia

Erigeron divergens

Erigeron lobatus

Eriophyllum lanosum (= Antheropeas lanosum)

Gutierrezia microcephala

Gymnosperma glutinosum

Helianthus petiolaris ssp. fallax

Heterotheca subaxillaris

Hymenothrix wislizeni

Isocoma tenuisecta

Koanophyllon solidaginifolium (=Eupatorium solidaginifolium)

*Lactuca seriola

Logfia arizonica (=Filago arizonica)

Logfia depressa (=Filago depressa)

Logfia filaginoides (=Filago californica)

Malocothrix glabrata

Malocothrix sonorae

*Matricaria discoidea (=M. matricarioides, Chamomila suaveolens)

Monoptilon bellioides

Pectis cylindrica

Pectis papposa v. papposa

Perityle emoryi

Porophyllum gracile

Pseudognaphalium canescens

Psilostrophe cooperi

Rafinesquia californica

Rafinesquia neomexicana

Senecio flacidus v. monoensis (=S. monoensis, S. douglasii v. douglasii)

Senecio lemmoni

*Silybum marianum

*Sonchus asper

*Sonchus oleraceus

Stephanomeria pauciflora

Stylocline gnaphalioides

Stylocline micropoides

Thymophylla pentachaeta (=Dyssodia pentachaeta)

Trixis californica v. californica

Uropappus lindleyi (=Microseris linearifolia)

Xanthisma spinulosum v. gooddingii (=Machaeranthera pinnatifida)

Zinnia acerosa

Boraginaceae

Amsinckia menziesii v. intermedia (=A. intermedia)

Amsinckia tessellata

Cryptantha angustifolia

Cryptantha barbigera

Cryptantha decipiens

Cryptantha nevadensis

Cryptantha pterocarya v. cycloptera

Harpagonella palmeri v. arizonica

Lappula occidentalis (=L. redowskii)

Pectocarya heterocarpa

Pectocarya platycarpa

Pectocarya recurvata

Plagiobothrys arizonicus

Plagiobothrys pringlei

Tiquilia canescens

Brassicaceae

Arabis perennans (= Boechera perennans)

*Brassica tournefortii

*Capsella bursa-pastoris

Descurainia pinnata ssp. glabra

Draba cuneifolia v. cuneifolia

Guillenia lasiophylla (= Caulanthus lasiophyllus)

Lepidium lasiocarpum v. wrightii

Lesquerella gordonii (= Physaria gordonii)

Lesquerella tenella (= Physaria tenella)

*Sisymbrium irio

Streptanthus carinatus ssp. arizonicus (= S. arizonicus)

Thysanocarpus curvipes v. elegans

Cactaceae

Carnegiea gigantea

Cylindropuntia acanthocarpa v. major (= Opuntia acanthocarpa)

Cylindropuntia acanthocarpa × C. versicolor

Cylindropuntia bigelovii (= Opuntia bigelovii)

Cylindropuntia fulgida v. fulgida (= Opuntia fulgida v. fulgida)

Opuntia fulgida × C. leptocaulis

Cylindropuntia leptocaulis (= Opuntia leptocaulis)

Cylindropuntia leptocaulis × C. fulgida

Cylindropuntia spinosior × C. versicolor

Echinocereus engelmannii v. acicularis

Echinocereus fasciculatus (= E. fendleri v. fasciculatus)

Echinocereus nicholii

Ferocactus wislizeni

Mammillaria grahamii (= M. microcarpa)

Opuntia chlorotica

Opuntia chlorotica × O. engelmannii

Opuntia engelmannii v. englemannii (= O. phaeacantha v. discata)

Opuntia macrocentra

*Opuntia microdasys

Opuntia phaeacantha v. major

*Opuntia santa-rita

Campanulaceae

Nemacladus glanduliferus

Cannabinaceae

*Cannabis sativa

Capparaceae

Polanisia dodecandra ssp. trachysperma

Caryophyllaceae

Cerastium texanum

*Herniaria hirsuta v. cinerea (=H. cinerea)

Loeflingia squarrosa

Silene antirrhina

Chenopodiaceae

Atriplex canescens v. canescens

Atriplex linearis (=A. canescens v. linearis)

Chenopodium neomexicanum

Monolepis nuttalliana

*Salsola tragus

Convolvulaceae

Evolvulus alsinoides v. angustifolia

Ipomoea cristulata (=I. coccinea, in part)

Ipomoea hederaceae

Crassulaceae

Crassula connata (=Tillaea erecta)

Crossosomataceae

Crossosoma bigelovii

Cucurbitaceae

Cucurbita digitata

Echinopepon wrightii

Tumamoca macdougalii

Euphorbiaceae

Acalypha lanceolata (=Ditaxis lanceolata)

Acalypha neomexicana (=Ditaxis neomexicana)

Bernardia incana

Chamaesyce abramsiana (=Euphorbia abramsiana)

Chamaesyce arizonica (=Euphorbia arizonica)

Chamaesyce capitellata (=Euphorbia capitellata)

Chamaesyce florida (=Euphorbia florida)

Chamaesyce gracillima (=Euphorbia gracillima)

Chamaesyce hyssopifolia (=Euphorbia hyssopifolia)

Chamaesyce melanadenia (=Euphorbia melanadenia)

Chamaesyce micromera (=Euphorbia micromera)

Chamaesyce pediculifera (=Euphorbia pediculifera)

Chamaesyce polycarpa (=Euphorbia polycarpa)

Chamaesyce revoluta (=Euphorbia revoluta)

Chamaesyce setiloba (=Euphorbia setiloba)

Croton sonorae

Euphorbia eriantha

Euphorbia heterophylla

Jatropha cardiophylla

Tragia nepetaefolia

Fabaceae

Acacia constricta

Acacia greggii v. arizonica

Astragalus didymocarpus v. dispermus

Astragalus lentiginosus v. australis

Astragalus nuttalianus v. micranthiformis

Calliandra eriophylla

Coursetia glandulosa

Desmodium procumbens v. exiguum

Galactia wrightii

Hoffmanseggia glauca

Lotus humistratus

Lotus salsuginosus v. brevivexillus

Lotus strigosus v. tomentellus

Lupinus sparsiflorus

Marina parryi

Olneya tesota

Parkinsonia florida

Parkinsonia microphylla

Phaseolus acutifolius v. latifolius

Phaseolus filiformis

Prosopis velutina

Senna covesii

Vicia ludoviciana

Fagaceae

Quercus turbinella v. turbinella

Fouquieriaceae

Fouquieria splendens

Fumariaceae

*Fumaria parviflora (=F. officinalis, in part)

Geraniaceae

*Erodium cicutarium

Erodium texanum

Hydrophyllaceae

Eucrypta chrysanthemifolia v. bipinnatifida

Eucrypta micrantha

Nama hispidum

Phacelia ambigua (= P. crenulata)

Phacelia affinis

Phacelia coerulea

Phacelia cryptantha

Phacelia distans

Pholistoma auritum v. arizonicum

Krameriaceae

Krameria erecta v. glandulosa (= K. parvifolia)

Krameria grayi

Lamiaceae

Hedeoma nanum ssp. macrocalyx

Hyptis emoryi (= H. albida)

Monardella arizonica

Salvia columbariae

Stachys coccinea

Linaceae

Linum lewisii

Loasaceae

Mentzelia affinis

Mentzelia involucrata

Malpighiaceae

Janusia gracilis

Malvaceae

Abutilon abutiloides

Abutilon coahuilae (= A. malacum, in part)

Abutilon incanum

Abutilon mollicomum (= A. sonorae)

Abutilon parishii

Abutilon parvulum

Herissantia crispa

Hibiscus biseptus

Hibiscus coulteri

Hibiscus denudatus

Horsfordia newberryi

*Malva parviflora

Malvastrum bicuspidatum

Sida abutifolia (=S. filicaulis)
Sphaeralcea ambigua
Sphaeralcea coulteri
Sphaeralcea hastulata (=S. subhastata)
Sphaeralcea laxa

Molluginaceae

Mollugo verticillata

Nyctaginaceae

Allionia incarnata v. villosa
Boerhavia coccinea
Boerhavia coulteri
Boerhavia erecta
Boerhavia intermedia
Boerhavia spicata
Boerhavia wrightii
Commicarpus scandens (=Boerhavia scanden)
Mirabilis laevis v. villosa (=Mirabilis bigelovii)
Pisonia capitata

Oleaceae

Forrestiera shrevei
Menodora scabra v. scabra

Onagraceae

Camissonia boothii
Camissonia californica
Camissonia chamaenerioides
Camissonia clavaeformis
Oenothera primiveris

Orobanchaceae

Orobanche cooperi (=O. ludoviciana ssp. cooperi)

Papaveraceae

Argemone ochroleuca ssp. ochroleuca
Eschscholzia californica ssp. mexicana (=E. mexicana)

Pedaliaceae

Proboscidia althaeifolia
Proboscidia parviflora

Plantaginaceae

Plantago ovata (=P. fastigiata, P. insularis)
Plantago patagonica

Plumbaginaceae

Plumbago zeylanica (=P. scandens)

Polemoniaceae

Eriastrum diffusum

Gilia flavocincta ssp. australis

Gilia stellata

Ipomopsis multiflora

Linanthus bigelovii

Polygalaceae

Polygala macradenia

Polygonaceae

Chorizanthe brevicornu

Chorizanthe rigida

Eriogonum abertianum

Eriogonum deflexum v. deflexum

Eriogonum fasciculatum v. polifolium

Eriogonum inflatum

Eriogonum maculatum

Eriogonum palmerianum

Eriogonum thomasii

Eriogonum trichopes

Eriogonum wrightii

Pterostegia drymerioides

Portulacaceae

Calandrinia ciliata v. menziesii

Cistanthe monandra (=Calyptridium monadrum)

Portulaca pilosa (=P. mundula)

*Portulaca retusa (=P. oleracea)

Portulaca umbraticola ssp. lanceolata

Primulaceae

Androsace occidentalis

Ranunculaceae

Anemone tuberosa

Clematis drummondii

Delphinium scaposum

Myosurus cupulatus

Rhamnaceae

Condalia warnockii v. kearneyana

Ziziphus obtusifolia v. canescens

Rosaceae

Vauquelinia californica ssp. sonorensis

Rubiaceae

*Galium aperine

Galium microphyllum

Galium proliferum

Galium stellatum v. eremicum

Scrophulariaceae

Castilleja exerta (= Orthocarpus purpurascens)

Maurandella antirrhiniflora (= Maurandya antirrhiniflora)

Mimulus floribundus

Mimulus guttatus

Nuttallanthus texanus (= Linaria texana)

Penstemon parryi

Penstemon subulatus

Pseudorontium cyanthiferum (= Antirrhinum cyathiferum)

Sairocarpus nuttallianus (= Antirrhinum nuttallianum)

Veronica peregrina ssp. xalapensis

Simmondsiaceae

Simmondsia chinensis

Solanaceae

Datura discolor

Lycium andersonii

Lycium berlandieri v. longistylum

Lycium exsertum

Lycium fremontii

Lycium parishii

Nicotiana obtusifolia (= N. trigonophylla)

Physalis acutifolia

Physalis crassifolia

Solanum douglasii (= S. nigrescens)

Sterculiaceae

Ayenia compacta (= A. filiformis)

Ayenia microphylla

Hermannia pauciflora

Waltheria indica (= W. americana)

Ulmaceae

Celtis pallida

Urticaceae

Parietaria hespera v. hespera

Verbenaceae

Aloysia wrightii

Glandularia gooddingii

Verbena neomexicana

Viscaceae

Phorodendron californicum

Zygophyllaceae

Kallstroemia californica

Kallstroemia grandiflora

Kallstroemia parviflora

Larrea tridentata ssp. tridentata (=L. divaricata)

*Tribulus terrestris

Angiosperms: Monocots

Agavaceae

Yucca baccata v. brevifolia (=Y. arizonica)

Cyperaceae

Cyperus esculentus v. leptostachyus

Juncaceae

Juncus bufonius v. halophilus (=J. ambiguus)

Liliaceae

Allium macropetalum

Calochortus kennedyi

Dichelostemma capitatum ssp. pauciflorum (=D. pulchellum)

Poaceae

Aristida adscensionis

Aristida purpurea v. nealleyi

Aristida purpurea v. parishii (=A. parishii)

Aristida purpurea v. purpurea

Aristida ternipes ssp. gentilis (=A. hamulosa)

Aristida ternipes ssp. ternipes

Bothriochloa barbinodis v. barbinodis

Bouteloua aristidoides v. aristidoides

Bouteloua barbata v. barbata

Bouteloua barbata v. rothrockii (=B. rothrockii)

Bouteloua curtipendula v. curtipendula

Bouteloua repens
Bouteloua trifida
*Bromus carinatus (=B. arizonicus, in part)
*Bromus rubens
Cathestecum brevifolium (C. erectum, misapplied)
Chloris virgata
Cottea pappophorioides
*Cynodon dactylon v. dactylon
Dasyochloa pulchella (=Eri~~oneu~~ron pulchellum)
Digitaria californica
Digitaria cognata
Digitaria insularis
Elymus elymoides ssp. brevifolius
Enneapogon desvauxii
*Eragrostis cilianensis
Eragrostis intermedia
*Eragrostis lehmanniana
Eragrostis pectinacea v. pectinacea
Heteropogon contortus
Hilaria belangeri v. belangeri
*Hordium murinum ssp. glaucum
Leptochloa dubia
Leptochloa panicia v. brachiata (=L. mucronata, L. filiformis)
Muhlenbergia emersleyi
Muhlenbergia microsperma
Muhlenbergia tenuifolia (=M. monticola)
Muhlenbergia porteri
Muhlenbergia rigens
Panicum hirticaule v. hirticaule
*Pennisetum ciliare v. ciliare
*Phalaris canariensis
*Phalaris minor
Poa bigelovii
*Schismus arabicus
*Schismus barbatus
Setaria grisebachii
Setaria leucopila
Setaria macrostachya (=S. vulpiseta)
*Sorghum bicolor
Sporobolus airoides
Sporobolus cryptandrus
Sporobolus wrightii
Stipa speciosa (=Achnatherum speciosum)
Tridens muticus
Trisetum interruptum
Urochloa arizonica (=Brachiaria arizonica)

Vulpia microstachys v. ciliata

Vulpia octoflora v. hirtella

Vulpia octoflora v. octoflora