

Flora of Pan Quemado, Pima Co., Arizona; Ironwood Forest National Monument; ~5800 acres; 2100'-2657' elev.; volcanic deposits, with some limestone.

Published by John F. Wiens in The Plant Press, 20:1; Winter 1996 (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 & Allies

Pteridaceae

Astrolepis cochisensis

Astrolepis sinuata

Cheilanthes lindheimeri

Cheilanthes wrightii

Cheilanthes yavapense

Notholaena standleyi

Pellaea truncata

Selaginellaceae

Selaginella arizonica

Gymnosperms

Ephedraceae

Ephedra nevadensis

Ephedra trifurca

Angiosperms: Dicots

Acanthaceae

Carlowrightia arizonica

Justicia longii (= Siphonoglossa longiflora)

Ruellia nudiflora

Amaranthaceae

Amaranthus fimbriatus

Amaranthus palmeri

Amaranthus ×tucsonensis

Tidestromia lanuginosa

Apiaceae

Bowlesia incana

Daucus pusillus

Apocynaceae

Haplophyton crooksii (= H. cimcidium v. crooksii)

Asclepiadaceae

Cynanchum arizonicum (=Metastelma arizonica)

Matelea parviflora

Sarcostemma cynanchoides (=Funastrum cynanchoides)

Asteraceae

Acourtia nana

Acourtia wrightii

Ambrosia ambrosioides

Ambrosia confertiflora

Ambrosia deltoidea

Ambrosia dumosa

Baccharis sarothroides

Baileya multiradiata

Bebbia juncea

Brickellia coulteri

Calycoseris wrightii

Chaenactis carphoclinia

Encelia farinosa

Erigeron divergens

Eriophyllum lanosum (=Antheropeas lanosum)

Gaillardia arizonica

Gutierrezia microcephala

Gymnosperma glutinosa

Heterotheca subaxillaris

Isocoma tenuisecta

Koanophyllum solidaginifolium (=Eupatorium solidaginifolium)

*Lactuca serriola

Laennecia coulteri (=Conyza coulteri)

Logfia depressa (=Filago depressa)

Logfia filaginoides (=Filago californica)

Malacothrix sonorae

Monoptilon bellioides

Pectis linifolia

Pectis papposa

Perityle emoryi

Porophyllum gracile

Psilostrophe cooperi

Rafinesquia neomexicana

Senecio lemmonii

Stephanomeria pauciflora

Stylocline micropoides

Trixis californica

Uropappus lindleyi

Xanthisma gracilis (=Machaeranthera gracilis)
Xanthisma spinulosum v. gooddingii (=Machaeranthera pinnatifida)
Zinnia acerosa

Boraginaceae

Amsinckia menziesii v. intermedia (=A. intermedia)
Amsinckia tessellata
Cryptantha barbiger
Cryptantha maritima
Cryptantha micrantha
Cryptantha nevadensis
Cryptantha pterocarya
Harpagonella palmeri
Lappula occidentalis (=L. redowskii)
Pectocarya platycarpa
Pectocarya recurvata
Plagiobothrys pringlei

Brassicaceae

Arabis perennans (=Boechera perennans)
Descurainia pinnata v. 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

Cactaceae

Carnegiea gigantea
Cylindropuntia acanthocarpa v. major (=Opuntia acanthocarpa)
Cylindropuntia acanthocarpa × C. leptocaulis
Cylindropuntia arbuscula (=O. arbuscula)
Cylindropuntia bigelovii (=Opuntia bigelovii)
Cylindropuntia fulgida v. fulgida (=Opuntia fulgida v. fulgida)
Cylindropuntia leptocaulis (=Opuntia leptocaulis)
Cylindropuntia leptocaulis (=Opuntia leptocaulis)
Echinocereus engelmannii v. acicularis
Echinocereus fasciculatus (=E. fendleri v. fasciculatus)
Echinocereus nicholii
Ferocactus cylindraceus
Ferocactus wislizeni

Mammillaria grahamii (=M. microcarpa)

Opuntia chlorotica

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

Opuntia phaeacantha v. major

Campanulaceae

Nemacladus glanduliferus

Caryophyllaceae

Silene antirrhina

Chenopodiaceae

Atriplex canescens

Chenopodium neomexicanum

Convolvulaceae

Evolvulus alsinoides v. angustifolia

Ipomoea hederacea

Crassulaceae

Crassula connata (=Tillaea erecta)

Euphorbiaceae

Argythamnia lanceolata (=Ditaxis lanceolata)

Argythamnia neomexicana (=Ditaxis neomexicana)

Chamaesyce arizonica (=Euphorbia arizonica)

Chamaesyce capitellata (=Euphorbia capitellata)

Chamaesyce florida (=Euphorbia florida)

Chamaesyce hyssopifolia (=Euphorbia hyssopifolia)

Chamaesyce melanadenia (=Euphorbia melanadenia)

Chamaesyce polycarpa (=Euphorbia polycarpa)

Chamaesyce setiloba (=Euphorbia setiloba)

Jatropha cardiophylla

Tragia nepaetifolia

Fabaceae

Acacia angustissima

Acacia constricta

Acacia greggii v. arizonica

Astragalus didymocarpus v. dispermus

Astragalus nuttalianus v. austrinus

Calliandra eriophylla

Coursetia glandulosa

Lotus humistratus

Lotus salsuginosus v. brevivexillus

Lotus strigosus v. tomentellus

Lupinus sparsiflorus

Marina parryi

Nissolia schottii

Parkinsonia florida

Parkinsonia microphylla

Prosopis velutina

Senna covesii

Vicia ludoviciana

Fouquieriaceae

Fouquieria splendens

Geraniaceae

*Erodium cicutarium

Erodium texanum

Hydrophyllaceae

Eucrypta chrysanthemifolia v. bipinnatifida

Eucrypta micrantha

Phacelia ambigua (=P. crenulata)

Phacelia distans

Pholistoma auritum v. arizonicum

Krameriaceae

Krameria erecta v. glandulosa (=K. parvifolia)

Krameria grayi

Lamiaceae

Hyptis emoryi (=H. albida)

Salvia columbarae

Teucrium cubensis ssp. depressum

Malpighiaceae

Janusia gracilis

Malvaceae

Abutilon coahuilae (=A. malacum, in part)

Abutilon incanum

Herissantia crispa

Hibiscus coulteri

Horsfordia newberryi

*Malva parviflora

Rhynchosida physocalyx (=Sida physocalyx)

Sida abutifolia (=S. filicaulis)

Sphaeralcea ambigua

Sphaeralcea coulteri

Sphaeralcea emoryi

Sphaeralcea hastulata (=S. subhastata)

Sphaeralcea laxa

Nyctaginaceae

Allionia incarnata v. villosa

Boerhavia coccinea

Boerhavia intermedia

Boerhavia megaptera

Boerhavia pterocarpa

Commicarpus scandens (=Boerhavia scandens)

Mirabilis laevis v. villosa (=M. bigelovii)

Oleaceae

Menodora scabra v. scabra

Onagraceae

Camissonia californica

Camissonia chamaenerioides

Oenothera primiveris

Orobanchaceae

Orobanche ludoviciana ssp. cooperi

Papaveraceae

Argemone pleiacantha v. ambigua

Eschscholzia californica ssp. mexicana (=E. mexicana)

Plantaginaceae

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

Plantago patagonica

Polemoniaceae

Eriastrum diffusum

Gilia flavocincta ssp. australis

Gilia stellata

Linanthus bigelovii

Polygalaceae

Polygala macradenia

Polygonaceae

Chorizanthe brevicornu
Chorizanthe rigida
Eriogonum abertianum
Eriogonum deflexum v. deflexum
Eriogonum inflatum
Eriogonum polycladon
Eriogonum thomasii
Eriogonum wrightii

Primulaceae

Androsace occidentalis

Ranunculaceae

Anemone tuberosa
Clematis drummondii
Delphinium scaposum
Myosurus cupulatus

Rhamnaceae

Ziziphus obtusifolia v. canescens

Rubaiaceae

Galium proliferum
Galium stellatum v. eremicum

Scrophulariaceae

Castilleja exerta
Nuttallanthus texanus (= Linaria texana)
Penstemon parryi

Solanaceae

Datura discolor
Lycium andersonii
Lycium berlandieri v. longistylum
Nicotiana obtusifolia (= N. trigonophylla)
Physalis lobatus

Sterculiaceae

Ayenia compacta (= A. filiformis)

Ulmaceae

Celtis pallida

Urticaceae

Parietaria hespera v. hespera

Verbenaceae

Aloysia wrightii

Verbena bracteata

Viscaceae

Phorodendron californicum

Zygophyllaceae

Kallstroemia californica

Kallstroemia grandiflora

Larrea tridentata ssp. tridentata (=L. divaricata)

Angiosperms: Monocots

Lemnaceae

Lemna minor

Liliaceae

Calochortus kennedyi

Dichelostemma capitatum (=D. pulchellum)

Poaceae

Aristida adscensionis

Aristida purpurea v. nealleyi

Aristida purpurea v. parishii (=A. parishii)

Aristida ternipes v. gentilis (=A. hamulosa)

Aristida ternipes v. ternipes

Bouteloua aristidoides v. aristidoides

Bouteloua barbata v. barbata

Bouteloua curtipendula

Bouteloua repens

Bouteloua trifida

*Bromus rubens

Chloris virgata

*Cynodon dactylon v. dactylon

Dasychloa pulchella (=Erioneuron pulchellum)

Digitaria californica

Echinochloa colona

Enneapogon desvauxii

*Eragrostis lehmanniana

Eragrostis pectinacea v. miserrima

Eriochloa acuminata
Heteropogon contortus
Hilaria belangeri v. belangeri
Leptochloa panicia v. brachiata (= L. mucronata, L. filiformis)
Leptochloa viscida
Muhlenbergia microsperma
Muhlenbergia porteri
Panicum hirticaule v. hirticaule
Pappophorum vaginatum (= P. mucronulatum)
*Pennisetum ciliare v. ciliare
*Pennisetum setaceum
Poa bigelovii
*Schismus barbatus
Setaria griesbachii
Setaria leucopila
Tridens muticus
Urochloa arizonica (= Brachiaria arizonica)
Vulpia octoflora v. octoflora