

Montezuma Castle National Monument–Well Unit

Authors: NPS-SODN

Families: 76

Genera: 249

Species: 398 (species rank)

Total Taxa: 406 (including ssp. and var.)

AMARANTHACEAE

Amaranthus powellii - Powell's amaranth

Atriplex canescens - fourwing saltbush

Chenopodium berlandieri - pitseed goosefoot

Chenopodium fremontii - Fremont's goosefoot

Krascheninnikovia lanata - winterfat

Salsola tragus - prickly Russian thistle

ANACARDIACEAE

Rhus aromatica - fragrant sumac

Toxicodendron radicans - poison-ivy

APIACEAE

Berula erecta - cutleaf waterparsnip

Cymopterus multinervatus - purplenerve springparsley

Daucus pusillus - American wild carrot

APOCYNACEAE

Apocynum cannabinum - Indianhemp

Asclepias engelmanniana - Engelmann's milkweed

Asclepias subverticillata - horsetail milkweed

Matelea producta - Texas milkvine

Sarcostemma cynanchoides ssp. *cynanchoides* - climbing milkweed

Vinca major - bigleaf periwinkle

ARACEAE

Lemna minor - common duckweed

ARALIACEAE

Hydrocotyle verticillata - whorled marshpennywort

Hydrocotyle verticillata var. *verticillata* - whorled marshpennywort

ASPARAGACEAE

Agave delamateri - Tonto Basin agave

Dichelostemma capitatum ssp. *pauciflorum* - bluedicks

Yucca elata - soaptree yucca

Yucca elata var. *verdiensis* - Verdi yucca

ASTERACEAE

Acourtia wrightii - brownfoot

Ambrosia confertiflora - slimleaf bursage

Ambrosia psilostachya - Cuman ragweed

Artemisia carruthii - Carruth's sagewort

Artemisia ludoviciana - white sagebrush
Artemisia ludoviciana ssp. albula - white sagebrush
Aster subulatus var. parviflorus
Baccharis emoryi - Emory's baccharis
Baccharis salicifolia - water wally
Baccharis sarothroides - desertbroom
Bahia dissecta - ragleaf bahia
Baileya multiradiata var. multiradiata
Baileya pleniradiata - woolly desert marigold
Brickellia atractyloides - spearleaf brickellbush
Brickellia californica - brickell-bush
Brickellia floribunda - Chihuahuan brickellbush
Centaurea melitensis - Maltese star-thistle
Chaetopappa ericoides - rose heath
Chloracantha spinosa - spiny chloracantha
Cichorium intybus - chicory
Cirsium arizonicum - Arizona thistle
Cirsium wheeleri - Wheeler's thistle
Conyza canadensis - Canadian horseweed
Dieteria canescens - hoary tansyaster
Encelia farinosa - brittlebush
Encelia frutescens - button brittlebush
Encelia virginensis - Virgin River brittlebush
Erigeron concinnus - Navajo fleabane
Erigeron divergens - spreading fleabane
Erigeron flagellaris - trailing fleabane
Erigeron oreophilus - chaparral fleabane
Gaillardia pinnatifida - red dome blanketflower
Gutierrezia microcephala - threadleaf snakeweed
Gutierrezia sarothrae - broom snakeweed
Helianthus annuus - common sunflower
Heterosperma pinnatum - wingpetal
Heterotheca fulcrata var. fulcrata - rockyscree false goldenaster
Heterotheca subaxillaris - camphorweed
Heterotheca villosa - hairy false goldenaster
Hymenoclea monogyra - burrobush
Hymenothrix loomisii - Loomis' thimblehead
Lactuca ludoviciana - biannual lettuce
Lactuca saligna - willowleaf lettuce
Lactuca serriola - prickly lettuce
Lactuca tatarica var. pulchella - blue lettuce
Melampodium leucanthum - plains blackfoot
Packera neomexicana var. neomexicana - New Mexico groundsel
Parthenium incanum - mariola
Sanvitalia abertii - Albert's creeping zinnia
Senecio flaccidus var. monoensis - sand wash groundsel
Solidago canadensis var. scabra - Canada goldenrod
Solidago velutina - threenerve goldenrod
Solidago wrightii - Wright's goldenrod
Stephanomeria tenuifolia - narrowleaf wirelettuce
Stephanomeria thurberi - Thurber's wirelettuce

Symphyotrichum divaricatum - southern annual saltmarsh aster
Symphyotrichum falcatum var. *commutatum* - white prairie aster
Symphyotrichum lanceolatum - white panicle aster
Symphyotrichum praealtum var. *praealtum*
Symphyotrichum subulatum var. *parviflorum* - southwestern annual saltmarsh aster
Taraxacum laevigatum - rock dandelion
Taraxacum officinale - common dandelion
Thymophylla acerosa - pricklyleaf dogweed
Townsendia annua - annual Townsend daisy
Tragopogon dubius - yellow salsify
Uropappus lindleyi - silver puffs
Verbesina encelioides - golden crownbeard
Verbesina encelioides ssp. *exauriculata* - golden crownbeard
Xanthisma gracile - slender goldenweed
Xanthium strumarium - rough cocklebur
Zinnia grandiflora - Rocky Mountain zinnia

BERBERIDACEAE

Berberis haematocarpa - bloodberry barberry

BETULACEAE

Alnus oblongifolia - Arizona alder

BIGNONIACEAE

Chilopsis linearis - desert willow

BORAGINACEAE

Amsinckia menziesii var. *intermedia* - common fiddleneck
Cryptantha nevadensis - Nevada cryptantha
Eucrypta chrysanthemifolia var. *bipinnatifida* - spotted hideseed
Eucrypta micrantha - dainty desert hideseed
Lappula occidentalis var. *cupulata* - flatspine stickseed
Lappula occidentalis var. *occidentalis* - flatspine stickseed
Lithospermum incisum - narrowleaf stoneseed
Phacelia affinis - limestone phacelia
Phacelia bombycina - Mangas Spring phacelia
Phacelia crenulata - cleftleaf wildheliotrope
Phacelia cryptantha - hiddenflower phacelia
Phacelia distans - distant phacelia
Phacelia ivesiana - Ives' phacelia
Phacelia rotundifolia - roundleaf phacelia
Plagiobothrys arizonicus - Arizona popcornflower
Tiquilia canescens - woody crinkleemat

BRASSICACEAE

Boechera perennans - perennial rockcress
Brassica tournefortii - Asian mustard
Capsella bursa-pastoris - shepherd's purse
Descurainia pinnata - western tansymustard
Descurainia sophia - herb sophia
Draba cuneifolia - wedgeleaf draba

Erysimum capitatum - sanddune wallflower
Lepidium lasiocarpum - shaggyfruit pepperweed
Lepidium lasiocarpum var. *wrightii* - Wright's pepperweed
Lepidium virginicum - Virginia pepperweed
Physaria arizonica - Arizona bladderpod
Physaria gordonii - bladderpod
Physaria tenella - Moapa bladderpod
Rorippa nasturtium-aquaticum - watercress
Sisymbrium irio - London rocket
Streptanthus carinatus ssp. *arizonicus* - lyreleaf jewelflower
Streptanthus cordatus - heartleaf twistflower

CACTACEAE

Cylindropuntia leptocaulis - Christmas cholla
Echinocereus boyce-thompsonii - Boyce Thompson hedgehog cactus
Echinocereus fasciculatus - strawberry hedgehog
Escobaria vivipara var. *arizonica* - spinystar
Escobaria vivipara var. *vivipara* - spinystar
Opuntia engelmannii - cactus apple
Opuntia macrorhiza - twistspine pricklypear
Opuntia phaeacantha - tulip pricklypear

CAMPANULACEAE

Lobelia cardinalis - cardinalflower

CANNABACEAE

Celtis laevigata var. *reticulata* - netleaf hackberry

CARYOPHYLLACEAE

Silene antirrhina - sleepy silene

CELASTRACEAE

Canotia holacantha - crucifixion thorn

CLEOMACEAE

Cleome lutea var. *jonesii* - Jones spiderflower
Polanisia dodecandra ssp. *trachysperma* - sandyseed clammyweed

CONVOLVULACEAE

Convolvulus arvensis - field bindweed
Convolvulus equitans - Texas bindweed
Ipomoea hederacea - ivyleaf morning-glory

CUCURBITACEAE

Cucurbita foetidissima - Missouri gourd
Marah gilensis - Gila manroot

CUPRESSACEAE

Cupressus arizonica - Arizona cypress
Juniperus coahuilensis - redberry juniper
Juniperus monosperma - oneseed juniper
Juniperus osteosperma - Utah juniper

CYPERACEAE

- Cyperus esculentus* - yellow nutsedge
- Cyperus niger* - black flatsedge
- Eleocharis parishii* - Parish's spikerush
- Eleocharis rostellata* - beaked spikerush
- Schoenoplectus acutus* - great bulrush
- Schoenoplectus tabernaemontani* - softstem bulrush

EPHEDRACEAE

- Ephedra torreyana* - Torrey's jointfir
- Ephedra viridis* - mormon tea

EQUISETACEAE

- Equisetum laevigatum* - smooth horsetail

EUPHORBIACEAE

- Acalypha neomexicana* - New Mexico copperleaf
- Chamaesyce albomarginata* - whitemargin sandmat
- Chamaesyce capitellata* - head sandmat
- Chamaesyce chaetocalyx* - bristlecup sandmat
- Chamaesyce fendleri* - Fendler's sandmat
- Chamaesyce serpyllifolia* - thymeleaf sandmat
- Chamaesyce serrula* - sawtooth sandmat
- Chamaesyce stictospora* - slimseed sandmat
- Croton texensis* - Texas croton
- Euphorbia brachycera* - horned spurge
- Euphorbia palmeri* var. *subpubens* - woodland spurge
- Euphorbia schizoloba*
- Tragia nepetifolia* - catnip noseburn
- Tragia ramosa* - branched noseburn

FABACEAE

- Acacia greggii* - catclaw acacia
- Amorpha fruticosa* - desert false indigo
- Astragalus allochrous* var. *playanus* - halfmoon milkvetch
- Astragalus calycosus* - Torrey's milkvetch
- Astragalus calycosus* var. *scaposus* - Torrey's milkvetch
- Astragalus lentiginosus* var. *diphysus* - freckled milkvetch
- Astragalus lentiginosus* var. *palans* - freckled milkvetch
- Astragalus lentiginosus* var. *wilsonii* - Wilson's milkvetch
- Astragalus nuttallianus* var. *imperfectus* - turkeypeas
- Astragalus tephrodes* var. *brachylobus* - ashen milkvetch
- Dalea formosa* - featherplume
- Desmanthus cooleyi* - Cooley's bundleflower
- Hoffmannseggia drepanocarpa* - sicklepod holdback
- Lotus corniculatus* - ground honeysuckle
- Lotus mearnsii* - Mearns' bird's-foot trefoil
- Lupinus brevicaulis* - shortstem lupine
- Lupinus succulentus* - hollowleaf annual lupine
- Medicago minima* - little burclover
- Medicago polymorpha* - burclover

Medicago sativa - alfalfa
Melilotus indicus - annual yellow sweetclover
Melilotus officinalis - yellow sweetclover
Mimosa aculeaticarpa var. *biuncifera* - catclaw mimosa
Mimosa grahamii - Graham's mimosa
Phaseolus angustissimus - slimleaf bean
Prosopis velutina - mesquite
Rhynchosia senna var. *texana* - Texas snoutbean
Senna bauhinioides - twinleaf senna
Trifolium repens - white clover
Vicia ludoviciana ssp. *ludoviciana* - Louisiana vetch

FAGACEAE

Quercus turbinella - Sonoran scrub oak

GERANIACEAE

Erodium cicutarium - redstem stork's bill
Erodium texanum - Texas stork's bill

GROSSULARIACEAE

Ribes aureum - golden currant

JUGLANDACEAE

Juglans major - Arizona walnut

JUNCACEAE

Juncus saximontanus - Rocky Mountain rush
Juncus torreyi - Torrey's rush
Juncus xiphioides - irisleaf rush

KRAMERIACEAE

Krameria erecta - littleleaf ratany

LAMIACEAE

Hedeoma drummondii - Drummond's false pennyroyal
Hedeoma oblongifolia - oblongleaf false pennyroyal
Lamium amplexicaule - henbit deadnettle
Marrubium vulgare - horehound
Mentha spicata - spearmint
Salvia reflexa - lanceleaf sage

LILIACEAE

Calochortus flexuosus - winding mariposa lily

LINACEAE

Linum lewisii - Lewis flax
Linum puberulum - plains flax

LOASACEAE

Mentzelia montana
Mentzelia multiflora - Adonis blazingstar
Mentzelia veatchiana - Veatch's blazingstar

LYTHRACEAE

Lythrum californicum - California loosestrife

MALVACEAE

Abutilon incanum - pelotazo

Abutilon parvulum - dwarf Indian mallow

Malva neglecta - common mallow

Sida abutilifolia - spreading fanpetals

Sphaeralcea ambigua - desert globemallow

Sphaeralcea fendleri - Fendler's globemallow

Sphaeralcea grossulariifolia - gooseberryleaf globemallow

Sphaeralcea parvifolia - smallflower globemallow

Sphaeralcea rusbyi - Rusby's globemallow

MARTYNIACEAE

Proboscidea parviflora - doubleclaw

MONTIACEAE

Claytonia perfoliata - miner's lettuce

MORACEAE

Morus alba - white mulberry

Morus microphylla - Texas mulberry

NYCTAGINACEAE

Allionia incarnata - trailing windmills

Boerhavia coccinea - scarlet spiderling

Boerhavia erecta - erect spiderling

Mirabilis linearis - narrowleaf four o'clock

Mirabilis multiflora - Colorado four o'clock

Mirabilis multiflora var. *multiflora* - Colorado four o'clock

Mirabilis pumila - dwarf four o'clock

OLEACEAE

Forestiera pubescens - stretchberry

Fraxinus velutina - velvet ash

Menodora scabra - rough menodora

ONAGRACEAE

Epilobium ciliatum ssp. *ciliatum* - fringed willowherb

Gaura coccinea - scarlet beeblossom

Gaura hexandra ssp. *gracilis* - harlequinbush

Gaura mollis - velvetweed

Oenothera albicaulis - prairie evening primrose

Oenothera caespitosa ssp. *marginata* - tufted evening primrose

Oenothera elata ssp. *hirsutissima* - Hooker's evening-primrose

Oenothera elata ssp. *hookeri*

Oenothera pallida - pale evening primrose

Oenothera primiveris - large yellow desert primrose

Oenothera speciosa - pinkladies

ORCHIDACEAE

Epipactis gigantea - stream orchid

OROBANCHACEAE

Castilleja angustifolia - northwestern Indian paintbrush

Castilleja angustifolia var. *dubia* - wavyleaf Indian paintbrush

Castilleja applegatei ssp. *martinii* - wavyleaf Indian paintbrush

Cordylanthus laxiflorus - nodding bird's-beak

PAPAVERACEAE

Argemone polyanthemos - crested pricklypoppy

Corydalis curvisiliqua ssp. *occidentalis* - curvepod fumewort

PHRYMACEAE

Mimulus guttatus - seep monkeyflower

Mimulus rubellus - little redstem monkeyflower

PLANTAGINACEAE

Penstemon barbatus - beardlip penstemon

Penstemon eatonii ssp. *undosus* - Eaton's penstemon

Penstemon linarioides - toadflax penstemon

Penstemon pseudospectabilis - desert penstemon

Penstemon pseudospectabilis ssp. *connatifolius* - desert beardtongue

Plantago lanceolata - narrowleaf plantain

Plantago major - common plantain

Plantago patagonica - woolly plantain

Plantago rhodosperma - redseed plantain

Veronica anagallis-aquatica - water speedwell

PLATANACEAE

Platanus wrightii - Arizona sycamore

POACEAE

Agrostis stolonifera - creeping bentgrass

Aristida purpurea var. *fendleriana* - Fendler's threeawn

Aristida purpurea var. *longiseta* - Fendler threeawn

Aristida ternipes var. *gentilis* - spidergrass

Avena sativa - common oat

Bothriochloa barbinodis - cane bluestem

Bothriochloa laguroides ssp. *torreyana* - silver beardgrass

Bothriochloa saccharoides

Bouteloua aristidoides - needle grama

Bouteloua barbata - sixweeks grama

Bouteloua curtipendula - sideoats grama

Bouteloua eriopoda - black grama

Bromus catharticus - rescuegrass

Bromus diandrus - ripgut brome

Bromus inermis - smooth brome

Bromus rigidus

Bromus rubens - red brome

Bromus tectorum - cheatgrass

Cenchrus spinifex - coastal sandbur

Cynodon dactylon - Bermudagrass

Echinochloa crus-galli - barnyard grass
Elymus elymoides - squirreltail
Elymus glaucus - blue wildrye
Elymus trachycaulus ssp. subsecundus - slender wheatgrass
Enneapogon desvauxii - nineawn pappusgrass
Eragrostis cilianensis - stinkgrass
Eragrostis curvula - weeping lovegrass
Eragrostis lehmanniana - Lehmann lovegrass
Erioneuron pilosum - hairy woollygrass
Hesperostipa neomexicana - New Mexico feathergrass
Hilaria belangeri - curly-mesquite
Hordeum marinum ssp. gussonianum - Mediterranean barley
Hordeum murinum ssp. glaucum - smooth barley
Hordeum murinum ssp. leporinum - leporinum barley
Leptochloa dubia - green sprangletop
Muhlenbergia asperifolia - scratchgrass
Muhlenbergia porteri - bush muhly
Muhlenbergia repens - creeping muhly
Muhlenbergia rigens - deergrass
Panicum obtusum - vine mesquite
Panicum virgatum - switchgrass
Paspalum dilatatum - dallisgrass
Paspalum distichum - knotgrass
Pleuraphis mutica - tobosagrass
Poa bigelovii - Bigelow's bluegrass
Poa fendleriana ssp. longiligula - muttongrass
Polypogon monspeliensis - annual rabbitsfoot grass
Polypogon viridis - beardless rabbitsfoot grass
Pseudoroegneria spicata - bluebunch wheatgrass
Schedonorus arundinaceus
Schedonorus pratensis
Schismus barbatus - common Mediterranean grass
Scleropogon brevifolius - burrograss
Setaria grisebachii - Grisebach's bristlegrass
Setaria leucopila - streambed bristlegrass
Setaria macrostachya - plains bristlegrass
Setaria viridis - green bristlegrass
Setaria vulpiseta - plains bristlegrass
Sorghum halepense - Johnsongrass
Sporobolus contractus - spike dropseed
Sporobolus cryptandrus - sand dropseed
Tridens muticus - slim tridens
Tridens muticus var. elongatus - slim tridens

POLEMONIACEAE

Eriastrum eremicum - desert woollystar
Gilia flavocincta - lesser yellowthroat gilia
Gilia sinuata - rosy gilia
Ipomopsis longiflora ssp. australis - whiteflower ipomopsis
Ipomopsis longiflora ssp. longiflora - flaxflowered ipomopsis
Phlox amabilis - Arizona phlox

Phlox longifolia ssp. *brevifolia* - longleaf phlox
Phlox speciosa ssp. *woodhousei* - Woodhouse's phlox

POLYGALACEAE

Polygala rusbyi - Rusby's milkwort
Polygala scoparioides - broom milkwort

POLYGONACEAE

Eriogonum abertianum - Abert's buckwheat
Eriogonum microthecum var. *simpsonii* - Simpson's buckwheat
Eriogonum trichopes - little deserttrumpet
Eriogonum wrightii var. *wrightii* - bastardsage
Persicaria punctata
Polygonum aviculare - prostrate knotweed
Rumex crispus - curly dock
Rumex hymenosepalus - canaigre dock

POTAMOGETONACEAE

Potamogeton gramineus - variableleaf pondweed
Potamogeton nodosus - longleaf pondweed
Stuckenia pectinata - sago pondweed
Zannichellia palustris - horned pondweed

PRIMULACEAE

Samolus valerandi ssp. *parviflorus* - seaside brookweed

PTERIDACEAE

Adiantum capillus-veneris - common maidenhair
Adiantum pedatum - five-finger fern
Astroblepis integerrima - hybrid cloakfern
Cheilanthes feei - slender lipfern

RANUNCULACEAE

Anemone tuberosa - tuber anemone
Aquilegia chrysantha - golden columbine
Clematis ligusticifolia - western white clematis
Delphinium scaposum - tall mountain larkspur

RHAMNACEAE

Ceanothus greggii - desert ceanothus
Frangula californica - California buckthorn
Frangula californica ssp. *ursina* - California buckthorn
Ziziphus obtusifolia - lotebush

ROSACEAE

Purshia mexicana - Mexican cliffrose
Purshia stansburiana - Stansbury cliffrose
Rubus arizonensis - Arizona dewberry
Rubus discolor - Himalayan blackberry

RUBIACEAE

Galium aparine - stickywilly

Galium microphyllum - bracted bedstraw

Galium proliferum - limestone bedstraw

RUTACEAE

Thamnosma texana - Dutchman's breeches

SALICACEAE

Populus fremontii - Fremont cottonwood

Salix exigua - narrowleaf willow

Salix gooddingii - Goodding's willow

Salix laevigata - red willow

Salix lasiolepis - arroyo willow

SANTALACEAE

Phoradendron macrophyllum ssp. *macrophyllum* - mistletoe

SAPINDACEAE

Sapindus saponaria - wingleaf soapberry

SCROPHULARIACEAE

Verbascum thapsus - common mullein

SIMAROUBACEAE

Ailanthus altissima - tree of heaven

SOLANACEAE

Chamaesaracha coronopus - greenleaf five eyes

Datura wrightii - sacred thorn-apple

Lycium pallidum - pale desert-thorn

Lycium pallidum var. *pallidum* - pale desert-thorn

Nicotiana obtusifolia var. *obtusifolia* - desert tobacco

Solanum elaeagnifolium - silverleaf nightshade

TAMARICACEAE

Tamarix ramosissima - five-stamen tamarisk

TYPHACEAE

Typha latifolia - broadleaf cattail

URTICACEAE

Parietaria hespera - rillita pellitory

Parietaria pennsylvanica - Pennsylvania pellitory

VERBENACEAE

Aloysia wrightii - Wright's beebrush

Glandularia gooddingii - southwestern mock vervain

Verbena bracteata - bigbract verbena

VIOLACEAE

Hybanthus verticillatus - babyslippers

VITACEAE

Parthenocissus quinquefolia - Virginia creeper

Vitis arizonica - canyon grape

ZYGOPHYLLACEAE

Kallstroemia grandiflora - Arizona poppy

Kallstroemia parviflora - warty caltrop

Larrea tridentata - creosote bush

Tribulus terrestris - puncturevine