

## Picture Canyon Plant Checklist

This checklist is derived from field observations in Picture Canyon, made by professional as well as avocational botanists through September, 2014. An asterisk (\*) following a species name indicates that the plant is non-native. <sup>1</sup>

For updates to this checklist see the City of Flagstaff's webpages for the Picture Canyon Natural and Cultural Preserve, at [flagstaff.az.gov/PictureCanyon](http://flagstaff.az.gov/PictureCanyon). In addition, the Plant Atlas Project of Arizona (PAPAZ) maintains a combined Picture Canyon and Elden Pueblo list of vouchered plant collections. (see <http://swbiodiversity.org/seinet/ident/key.php?cl=3279&proj=21&taxon=All+Species>). <sup>2</sup>

### PTERIDOPHYTA (FERNS)

#### **Woodsiaceae (Wood Fern Family)**

*Woodsia neomexicana*; New Mexico Cliff Fern

### CONIFEROPHYTA (GYMNOSPERMS)

#### **Cupressaceae (Cypress Family)**

*Juniperus deppeana*; Alligator Juniper

*Juniperus monosperma*; Oneseed Juniper

*Juniperus scopulorum*; Rocky Mountain Juniper

#### **Pinaceae (Pine Family)**

*Pinus edulis*; Pinyon

*Pinus ponderosa*; Ponderosa Pine

### MAGNOLIOPSIDA (DICOTYLEDONS)

#### **Amaranthaceae (Pigweed Family)**

*Amaranthus blitoides*; Prostrate Pigweed

*Amaranthus palmeri*; Careless Weed

*Amaranthus powellii*; Powell's Amaranth

*Bassia hyssopifolia*; Smotherweed\*

*Bassia scoparia*; Kochia\*

*Chenopodium album*; Lamb's Quarters\*

*Chenopodium berlandieri* Pitseed; Goosefoot

*Chenopodium fremontii*; Fremont's Goosefoot

*Chenopodium pratericola*; Desert Goosefoot

*Dysphania graveolens*; Fetid Goosefoot

*Kochia scoparia*; Mock Cypress\*

*Salsola tragus*; Russian Thistle\*

#### **Anacardiaceae (Sumac Family)**

*Rhus aromatica* var. *trilobata*; Squaw Bush

*Toxicodendron rydbergii*; Poison Ivy

### **Adoxaceae (Elderberry Family)**

*Sambucus cerulea*; Blue Elderberry

### **Apiaceae (Carrot Family)**

*Conium maculatum*; Poison Hemlock\*

### **Apocynaceae (Dogbane Family)**

*Asclepias asperula*; Antelope Horns

*Asclepias subverticillata*; Poison Milkweed

*Apocynum cannabinum*; Indian Hemp

### **Asteraceae (Sunflower Family)**

*Amauriopsis dissecta*; Ragleaf Bahia

*Ambrosia acanthicarpa*; Annual Bursage

*Ambrosia tomentosa*; Skeletonleaf Bursage

*Antennaria parvifolia*; Small-leaf Pussytoes

*Antennaria rosulata*; Kaibab Pussytoes

*Artemisia biennis*; Biennial Wormwood

*Artemisia campestris* var. *scouleriana*; Field Sagewort

*Artemisia carruthii*; Carruth's Sagewort

*Artemisia dracunculoides*; False Tarragon

*Artemisia ludoviciana*; Louisiana Sagewort

*Artemisia tridentata*; Big Sagebrush

*Brickellia californica*; California Brickellbush

*Brickellia eupatorioides* var. *chlorolepis*; False Boneset

*Brickellia grandiflora*; Tasselflower Brickellbush

*Centaurea diffusa*; Diffuse Knapweed\*

*Centaurea solstitialis*; Yellow Starthistle\*

*Chaetopappa ericoides*; Rose Heath

*Chrysothamnus viscidiflorus*; Yellow Rabbitbrush

*Cirsium arizonicum*; Arizona Thistle

*Cirsium neomexicanum*; New Mexico Thistle

*Cirsium vulgare*; Bull Thistle\*

*Cirsium wheeleri*; Wheeler's Thistle

*Conyza Canadensis*; Horseweed

*Cosmos parviflorus*; Southwestern Cosmos

*Dieteria canescens*; Hoary Tansyaster

*Ericameria nauseosa* var. *oreophila*; Rubber Rabbitbrush

*Erigeron divergens*; Spreading Fleabane

*Erigeron flagellaris*; Trailing Fleabane

*Gaillardia pinnatifida*; Red Dome Blanketflower

*Grindelia nuda* var. *aphanactis*; Rayless Gumweed

*Gutierrezia sarothrae*; Broom Snakeweed

*Helianthus annuus*; Common Sunflower

*Helianthus petiolaris*; Prairie Sunflower

*Heliomeris multiflora*; Showy Goldeneye

*Heterosperma pinnatum*; Wingpetal  
*Heterotheca villosa*; Hairy Goldenaster  
*Hymenopappus filifolius*; Fineleaf Woollywhite  
*Hymenoxys richardsonii*; Colorado Rubberweed  
*Lactuca serriola*; Prickly Lettuce\*  
*Machaeranthera tanacetifolia*; Tanseyleaf Tanseyaster  
*Onopordum acanthium*; Scotch Thistle\*  
*Packera multilobata*; Lobeleaf Groundsel  
*Pericome caudata*; Taperleaf  
*Pseudognaphalium macounii*; Macoun's Cudweed  
*Senecio eremophilus* var. *macdougalii*; MacDougal's Groundsel  
*Senecio flaccidus* var. *flaccidus*; Threadleaf Groundsel  
*Senecio spartioides*; Broom Groundsel  
*Solidago canadensis* var. *scabra*; Canada goldenrod  
*Solidago velutina*; Threenerve Goldenrod  
*Sonchus asper*; Spiny Sowthistle\*  
*Sonchus oleraceus*; Annual Sowthistle\*  
*Stephanomeria minor* var. *minor*; Narrowleaf Wirelettuce  
*Stephanomeria pauciflora*; Desert Straw  
*Stephanomeria thurberi*; Thurber's Wirelettuce  
*Taraxacum erythospermum*; Red-seeded Dandelion\*  
*Taraxacum officinale*; Common Dandelion\*  
*Tetradymia canescens*; Spineless Horsebrush  
*Tragopogon dubius*; Yellow Salsify\*  
*Verbesina encelioides*; Golden Crownbeard  
*Xanthisma gracilis*; Slender Goldenweed  
*Xanthium strumarium*; Rough Cocklebur

### **Berberidaceae (Barberry Family)**

*Berberis fremontii*; Fremont's Barberry  
*Berberis repens*; Creeping Barberry

### **Boraginaceae (Borage Family)**

*Cryptantha cinerea* var. *cinerea*; James' Cryptantha  
*Lappula occidentalis* var. *occidentalis*; Flatspine Stickseed  
*Lithospermum incisum*; Fringed Puccoon  
*Lithospermum multiflorum*; Manyflower Puccoon

### **Brassicaceae (Mustard Family)**

*Alyssum simplex*; Simple Alyssum \*

*Boechera perennans*; Perennial Rockcress

*Capsella bursa-pastoris*; Shepherd's Purse \*

*Descurainia obtusa*; Blunt Tansymustard

*Descurainia sophia*; Tansymustard \*

*Erysimum capitatum*; Western Wallflower

*Lepidium virginicum*; Wild Cress

*Sisymbrium altissimum*; Tumble Mustard\*  
*Sisymbrium irio*; London Rocket\*  
*Sisymbrium loeselii*; Small Tumbleweed Mustard\*<sup>3</sup>  
*Thelypodium wrightii*; Wright's Thelypody

### **Cactaceae (Cactus Family)**

*Escobaria vivipara*; Spiny Star  
*Opuntia macrorhiza*; Plains Pricklypear  
*Opuntia phaeacantha*; Brownspine Pricklypear

### **Caprifoliaceae (Honeysuckle Family)**

*Lonicera arizonica*; Arizona Honeysuckle

### **Caryophyllaceae (Pink Family)**

*Drymaria molluginea*; Slimleaf Drymary

### **Cleomaceae (Caper Family)**

*Peritoma serrulata*; Rocky Mountain Beeplant

### **Convolvulaceae (Morning Glory Family)**

*Convolvulus arvensis*; Field Bindweed\*

### **Cucurbitaceae (Gourd Family)**

*Cucurbita foetidissima*; Buffalo Gourd

### **Elaeagnaceae (Russian Olive Family)**

*Elaeagnus angustifolia*; Russian Olive\*

### **Euphorbiaceae (Spurge Family)**

*Chamaesyce fendleri*; Fendler's Sandmat  
*Euphorbia brachycera*; Horned Spurge  
*Tragia ramosa*; Branched Noseburn

### **Fabaceae (Legume Family)**

*Astragalus humistratus*; Groundcover Milkvetch  
*Astragalus molissimus*; Woolly Locoweed  
*Astragalus tephrodes*; Ashen Milkvetch  
*Calliandra humilis*; Dwarf Stickpea  
*Cologania angustifolia*; Longleaf Cologania  
*Desmanthus cooleyi*; Cooley's Bundleflower  
*Lotus wrightii*; Wright's; Lotus  
*Lupinus argenteus*; Silvery Lupine  
*Lupinus kingii*; King's Lupine  
*Melilotus officinalis*; Yellow Sweetclover\*  
*Oxytropis lambertii*; Purple Locoweed  
*Phaseolus angustissimus*; Slimleaf Bean

*Psoraleidium lanceolatum*; Lemon Scurfpea  
*Psoraleidium tenuiflorum*; Slimflower Scurfpea

### **Fagaceae (Beech Family)**

*Quercus gambelii*; Gambel Oak

### **Geraniaceae (Geranium Family)**

*Geranium caespitosum*; Pineywoods Geranium  
*Erodium cicutarium*; Stork's bill\*

### **Grossulariaceae (Gooseberry Family)**

*Ribes cereum*; Wax Currant

### **Hydrophyllaceae (Waterleaf Family)**

*Nama dichotomum*; Wishbone Fiddleleaf

### **Juglandaceae (Walnut Family)**

*Juglans major*; Arizona Walnut

### **Lamiaceae (Mint Family)**

*Marrubium vulgare*; Horehound\*

### **Linaceae (Flax Family)**

*Linum lewisii*; Prairie Flax

### **Loasaceae (Loasa Family)**

*Mentzelia albicaulis*; Whitestem Blazingstar  
*Mentzelia rusbyi*; Rusby's Blazingstar

### **Malvaceae (Mallow Family)**

*Malva neglecta*; Common Mallow\*  
*Sphaeralcea fendleri*; Fendler's Globemallow

### **Nyctaginaceae (Four O'Clock Family)**

*Mirabilis linearis*; Narrowleaf Four O'clock  
*Mirabilis oxybaphoides*; Spreading Four O'clock

### **Orobanchaceae (Broomrape Family)**

*Castilleja integra*; Wholeleaf Indian Paintbrush

### **Onagraceae (Evening Primrose Family)**

*Epilobium brachycarpum*; Tall Annual Willowherb  
*Epilobium ciliatum*; Fringed Willowherb  
*Gaura hexandra*; Slender Gaura  
*Gaura mollis*; Velvetweed  
*Oenothera elata*; Hooker's Evening Primrose

*Oenothera flava*; Yellow Evening Primrose  
*Oenothera pallida ssp. runcinata*; Pale Evening Primrose

### **Papaveraceae (Poppy Family)**

*Corydalis aurea*; Golden Corydalis

### **Plantaginaceae (Plantago Family)**

*Penstemon barbatus*; Beardlip Penstemon  
*Penstemon linarioides*; Toadflax Penstemon  
*Penstemon nudiflorus*; Flagstaff Penstemon  
*Penstemon ophianthus*; Arizona Beardtongue  
*Penstemon palmeri*; Palmer's Penstemon  
*Penstemon virgatus*; Wandbloom Penstemon  
*Veronica anagallis-aquatica*; Water Speedwell\*

### **Polemoniaceae (Phlox Family)**

*Ipomopsis aggregata*; Scarlet Gilia  
*Ipomopsis arizonica*; Arizona Skyrocket

### **Polygonaceae (Buckwheat Family)**

*Eriogonum alatum*; Winged Buckwheat  
*Eriogonum polycladon*; Sorrel Buckwheat  
*Eriogonum racemosum*; Redroot Buckwheat  
*Polygonum aviculare*; Prostrate Knotweed\*  
*Polygonum sawatchense ssp. sawatchense*; Johnston's Knotweed  
*Polygonum lapathifolium*; Pale Smartweed  
*Rumex crispus*; Curly Dock\*

### **Portulacaceae (Purslane Family)**

*Portulaca oleracea*; Common Purslane\*

### **Ranunculaceae (Buttercup Family)**

*Aquilegia desertorum*; Desert Columbine  
*Thalictrum fendleri*; Fendler's Meadow Rue

### **Rosaceae (Rose Family)**

*Amelanchier utahensis*; Utah Serviceberry  
*Chamaebatiaria millefolium*; Fernbush  
*Fallugia paradoxa*; Apache Plume  
*Potentilla norvegica*; Norwegian Cinquefoil\*  
*Purshia stansburiana*; Stansbury Cliffrose  
*Rosa woodsii ssp. arizonica*; Woods' Arizona Rose

### **Salicaceae (Willow Family)**

*Salix exigua*; Coyote Willow

### **Scrophulariaceae (Figwort Family)**

*Verbascum thapsus*; Common Mullein\*  
*Linaria dalmatica*; Dalmation Toadflax\*

### **Solanaceae (Nightshade Family)**

*Chamaesaracha coronopus*; Small Groundcherry  
*Datura wrightii*; Sacred Datura  
*Lycium pallidum*; Rabbit Thorn  
*Physalis hederifolia*; Ivyleaf Groundcherry  
*Solanum jamesii*; Wild Potato

### **Ulmaceae (Elm Family)**

*Ulmus pumila*; Siberian Elm\*

### **Verbenaceae (Verbena Family)**

*Verbena bracteata*; Prostrate Vervain

### **Vitaceae (Grape Family)**

*Parthenocissus vitacea*; Woodbine  
*Vitis arizonica*; Canyon Grape

## **LILIOPSIDA (MONOCOTYLEDONS)**

### **Asparagaceae (Asparagus Family)**

*Echeandia flavescens*; Torrey's Craglily  
*Yucca baccata*; Banana Yucca

### **Cyperaceae (Sedge Family)**

*Carex* sp. Sedge  
*Carex geophila*; White Mountain Sedge  
*Carex occidentalis*; Western Sedge  
*Carex pellita*; Woolly Sedge  
*Cyperus fendlerianus*; Fendler's Flatsedge  
*Eleocharis palustris*; Common Spikerush  
*Schoenoplectus acutus*; Hardstem Bulrush  
*Schoenoplectus tabernaemontani*; Softstem Bulrush  
*Scirpus microcarpus*; Panicked Bulrush

### **Poaceae (Grass Family)**

*Achnatherum hymenoides*; Indian Ricegrass  
*Andropogon gerardii*; Big Bluestem  
*Aristida purpurea* var. *longiseta*; Red Threeawn  
*Bouteloua curtipendula*; Sideoats Grama  
*Bouteloua gracilis*; Blue Grama  
*Bromus ciliatus* var. *richardsonii*; Fringed Brome

*Bromus inermis*; Smooth Brome\*  
*Bromus tectorum*; Cheatgrass\*  
*Echinochloa crus-galli*; Barnyardgrass\*  
*Echinochloa muricata*; Rough Barnyardgrass  
*Elymus canadensis*; Canada Wildrye  
*Elymus elymoides*; Squirreltail  
*Elymus repens* Quackgrass\*  
*Eragrostis mexicana*; Mexican Lovegrass  
*Eragrostis cilianensis*; Stinkgrass\*  
*Festuca arizonica*; Arizona Fescue  
*Hesperostipa comata*; Thread and Needle Grass  
*Hordeum jubatum*; Foxtail Barley  
*Muhlenbergia minutissima*; Annual Muhly  
*Muhlenbergia montana*; Mountain Muhly  
*Muhlenbergia racemosa*; Marsh Muhly  
*Muhlenbergia rigens*; Deergrass  
*Muhlenbergia sinuosa*; Poaceae  
*Muhlenbergia wrightii*; Spike Muhly  
*Munroa squarrosa*; False Buffalograss  
*Pascopyrum smithii*; Western Wheatgrass  
*Piptatherum micranthum*; Littleseed Ricegrass  
*Piptatherum miliaceum*; Smilgrass\*  
*Poa fendleriana*; Muttongrass  
*Schizachyrium scoparium*; Little Bluestem  
*Sporobolus cryptandrus*; Sand Dropseed  
*Thinopyrum intermedium*; Intermediate Wheatgrass\*

### Potamogetonaceae (Pondweed Family)

*Potamogeton foliosus*; Leafy Pondweed

### Typhaceae (Cattail Family)

*Typha latifolia*; Cattail

<sup>1</sup> Non-native plants are not part of an area's natural eco-system. They have been introduced, usually as a result of human activity, from their native range, either purposefully or accidentally, from other countries, continents or other regions within the same country.

<sup>3</sup> PAPAZ aims to scientifically document the floristic diversity of the state of Arizona by the collection of plant specimens from high priority areas. The project has been designed to provide more accurate and detailed geographic information on the flora of Arizona for science, education, the interested public, and land managers (see <http://www.aznps.com/PAPAZ.php>).

<sup>3</sup> *Sisymbrium loeselii*, a non-native species, was found during a Plant Atlas Project of Arizona (PAPAZ) inventory of Picture Canyon in spring, 2014. This marked the first known recording of this plant for Arizona. On the USDA Plants Data Base website (<http://plants.usda.gov/core/profile?symbol=SILO3>) the common name given for this plant is "Small Tumbleweed Mustard; it is shown occurring in four states that are adjacent to Arizona: California, Colorado, Nevada, and New Mexico. The *Flora of North America* website states that *Sisymbrium loeselii* occurs in Colorado, Nevada, New Mexico and Utah (see [http://www.efloras.org/object\\_page.aspx?object\\_id=112986&flora\\_id=1](http://www.efloras.org/object_page.aspx?object_id=112986&flora_id=1)).