

Plants of Southeast Utah

C H E C K L I S T



ARCHES NATIONAL PARK
CANYONLANDS NATIONAL PARK
NATURAL BRIDGES
NATIONAL MONUMENT

Landscape: The Surface Expression of Geology

Geology is hard to ignore in this part of the country. The things that camouflage the structure of the earth in most areas, deep soil and heavy vegetation, are not present here. A wide view reveals great bends in rock layers, masses of broken and jumbled rock, lava-cored mountain ranges, and vast expanses of slickrock. We look around us at canyon-wall rock strata revealed by dissecting streams. It is geologic structure brought to light.

Geologic structure determines plant life. Temperature and precipitation are a result of elevation; aspect or degree of exposure to the sun's rays affects temperature and soil moisture; and small variations in soil type, chemistry, and depth determine what vegetation can take hold.

Arches and Canyonlands National Parks and Natural Bridges National Monument lie on the Colorado Plateau, a 35,000-square-mile geologic province that includes parts of New Mexico, Arizona, Colorado, and Utah. These parks are also in the Colorado River drainage system, which carries water from one-twelfth of the United States to the ocean. The characteristics of the Colorado Plateau — arid climate with brief but torrential rains and little vegetation to hold the soil in place — mean that the rushing water scours soil and rock debris and transports it to the streams and rivers. (If it weren't for dams like Glen Canyon and Hoover, those waterways would carry the debris away to the Gulf of California.) As a result, great areas of geological strata are exposed or have a covering of thin and rocky soil.

Plant species that can grow on these austere surfaces do so because they have evolved to get by with limited resources in conditions that we, as humans, interpret as harsh. In fact, some of them are endemic, so specialized that they can't grow elsewhere.

Plant species not so specialized find their place in soil deposited by rivers or streams in drainage bottoms or at the mouths of canyons. Plants that grow in these alluvial deposits tend to be able to tolerate a wider degree of habitat variation and greater competition.

Cryptobiotic soil crust, though not a checklist item, is so critical to the survival of the Colorado Plateau ecosystem that it must be mentioned at every opportunity. The mature crust is dark and lumpy, but immature crust is nearly invisible. It is made up of cyanobacteria (formerly called blue-green algae), lichens, microfungi, mosses, and algae. As author/naturalist Greer Chesher recounts in *Heart of the Desert Wild: Grand Staircase – Escalante National Monument*:

"Dr. Jayne Belnap, an ecologist with the U.S. Geological Survey's Biological Resources Division in Moab, Utah, says, 'Microscopic sheaths produced by cyanobacteria and microfungi weave throughout the top few millimeters of soil, gluing soil particles together, forming the biological crust that stabilizes erosion. These living crusts also increase water absorption — important in these arid lands — and soil fertility by adding essential nutrients such as nitrogen and carbon.' Once destroyed, these fragile, living soils take years to regenerate, 35 to 65 years for cyanobacterial biomass, 45 to 85 years for lichen cover, and 250 years for moss. Their increasing loss is changing the nature of the entire Colorado Plateau ecosystem.

"It seems hard to believe that something so inconspicuous could underpin an entire ecosystem, but Dr. Belnap is slowly unraveling the encompassing story of this diminutive organism. Once hooves, tires, or feet break this protective crust, underlying soil, exposed to the tremendous forces of wind and water, erodes quickly. Dr. Belnap asks, 'So, what happens if you lose soil? For one thing, everywhere you see a shrub growing in low-elevation areas, the soil is less than two and one-half feet deep. As soon as you get three feet of soil, you have grasses. Only six inches difference. So, if you lose six inches of soil you just went from a grass to a shrub community.' In a place settled for its luscious grasslands, 'that's one pretty major implication.'"

Not only do cryptobiotic soils make more water and nutrients available, but the bumpy surface also provides protective interstices for native seeds that have evolved self-burial mechanisms, seeds that drill into the soil. Many exotic plants, however, have not evolved ways to bury themselves in these soils, so intact crusts can keep them out of natural systems, at least for a while.

Please make note of and avoid damaging this valuable crust.

CHECKLIST OF PLANTS

OF ARCHES NATIONAL PARK,
CANYONLANDS NATIONAL PARK,
AND NATURAL BRIDGES NATIONAL MONUMENT

KEY: A = Arches

B = Natural Bridges

C = Canyonlands

Species with no letter code are found in the vicinity of the parks but have not been verified within park boundaries.

Rare or endangered, endemic (restricted to a given location), and exotic (introduced) species are indicated.

This checklist contains species that grow at altitudes lower than 6,500 feet above sea level.

ACERACEAE - MAPLE FAMILY

- A B C *Acer glabrum* var. *glabrum* - Rocky Mountain Maple
- C *Acer grandidentatum* - Big Tooth Maple
- A B C *Acer negundo* - Boxelder

AGAVACEAE - YUCCA FAMILY

- A B C *Yucca angustissima* - Narrowleaf Yucca; Fineleaf Yucca
- B C *Yucca baccata* - Datil Yucca
- B *Yucca baileyi* - Bailey Yucca
- A B C *Yucca harrimaniae* - Harriman Yucca
- C *Yucca toftiae* - Toft's Yucca (RARE ENDEMIC)

AIZOACEAE - CARPETWEED FAMILY

- C *Sesuvium verrucosum* - Sea Purslane

AMARANTHACEAE - AMARANTH FAMILY

- B C *Amaranthus albus* - Tumble Pigweed (EXOTIC)
- A B C *Amaranthus blitoides* - Prostrate Pigweed
- B *Amaranthus retroflexus* - Redroot Pigweed (EXOTIC)

ANACARDIACEAE - CASHEW FAMILY

- A B C *Rhus aromatica* - Squawbush; Skunkbrush Sumac
- A B C *Rhus aromatica* var. *simplicifolia* - Squawbush; Skunkbrush Sumac
- A B C *Rhus aromatica* var. *trilobata* - Squawbush; Skunkbrush Sumac
- A *Rhus glabra* - Smooth Sumac
- A B C *Toxicodendron rydbergii* - Poison Ivy

APIACEAE - CARROT FAMILY (FORMERLY UMBELLIFERAE)

- B *Aletes macdougalii* ssp. *breviradiatus* - Macdougal Indian Parsley
- C *Cymopterus* spp. - Spring-parsley
- A B C *Cymopterus acaulis* var. *fendleri* - Fendler Spring-parsley
- C *Cymopterus beckii* - Pinnate Spring-parsley (RARE ENDEMIC)
- A C *Cymopterus bulbosus* - Onion Spring-parsley
- B *Cymopterus hendersonii* - Mountain Rock-parsley
- A C *Cymopterus newberryi* - Newberry Spring-parsley; Sweetroot Spring-parsley
- B *Cymopterus purpurascens* - Widewing Spring-parsley
- A B C *Cymopterus purpureus* var. *purpureus* - Purple Spring-parsley
- B C *Cymopterus terebinthinus* var. *petraeus* - Rock-parsley; Skeletonleaf
- C *Lomatium* spp. - Biscuitroot
- B *Lomatium graveolens* var. *alpinum* - King Lomatium
- A *Lomatium latilobum* - Canyonlands Biscuitroot (RARE ENDEMIC)
- A B C *Lomatium parryi* - Parry Biscuitroot
- B *Lomatium triternatum* ssp. *platycarpum* - Ternate Lomatium
- A *Oreoxis trotteri* - Trotter Oreoxis (RARE ENDEMIC)

APOCYNACEAE - DOGBANE FAMILY

- C *Amsonia jonesii* - Jones Amsonia
- A B C *Amsonia tomentosa* var. *stenophylla* - Woolly Amsonia
- A B C *Apocynum cannabinum* - Dogbane; Indian Hemp
- C *Apocynum sibiricum* - Siberian Dogbane

ASCLEPIADACEAE - MILKWEED FAMILY

- B C *Asclepias asperula* var. *asperula* - Rough Milkweed; Spider Milkweed
- A *Asclepias cryptoceras* var. *cryptoceras* - Pallid Milkweed
- C *Asclepias fascicularis* - Mexican Milkweed
- A *Asclepias involucrata* - Dwarf Milkweed
- C *Asclepias labriformis* - Labriform Milkweed (ENDEMIC)
- A C *Asclepias latifolia* - Broadleaf Milkweed
- A C *Asclepias macrosperma* - Dwarf Milkweed
- C *Asclepias rusbyi* - Rusby Milkweed (RARE)
- C *Asclepias ruthiae* - Ruth Milkweed
- A C *Asclepias speciosa* - Showy Milkweed
- A C *Asclepias subverticillata* - Poison Milkweed; Whorled Milkweed
- C *Asclepias tuberosa* ssp. *terminalis* - Butterfly Milkweed
- C *Sarcostemma cynanchoides* - Climbing Milkweed

ASTERACEAE - COMPOSITE FAMILY

(FORMERLY COMPOSITAE)

- B *Achillea millefolium* ssp. *lanulosa* - Yarrow

- A B C *Ambrosia acanthicarpa* - Bur Ragweed
- C *Ambrosia tomentosa* - Low Ragweed
- C *Antennaria parviflora* - Common Pussytoes
- B *Antennaria neglecta* - Field Pussytoes
- Arctium minus* - Burdock (EXOTIC)
- A B C *Artemisia bigelovii* - Bigelow Sagebrush
- A B C *Artemisia campestris* ssp. *borealis* var. *scouleriana* -
 Field Wormwood
- A B C *Artemisia dracunculus* var. *glauca* - Tarragon
 Sagebrush
- A C *Artemisia filifolia* - Old Man Sage; Sand Sagebrush
- B C *Artemisia frigida* - Fringed Sagebrush
- A B C *Artemisia ludoviciana* - Louisiana Sagewort
- B *Artemisia ludoviciana* var. *latiloba* - Louisiana
 Sagewort
- A B C *Artemisia ludoviciana* var. *ludoviciana* - Louisiana
 Sagewort
- A C *Artemisia nova* - Black Sagebrush
- A B C *Artemisia spinescens* - Budsage
- A B C *Artemisia tridentata* - Big Sagebrush
- B C *Artemisia tridentata* var. *tridentata* - Big Sagebrush
- A *Aster brachyactis* - Ciliate Aster
- A B C *Aster chilensis* ssp. *adscendens* - Pacific Aster
- Aster eatonii* - Eaton's Aster
- C *Aster falcatus* - Sickie Aster
- C *Aster frondosus* - Leafy Aster
- B *Aster glaucodes* var. *glaucodes* - Blueleaf Aster
- A *Aster hesperius* - Siskiyou Aster
- C *Aster pansus* - Elongate Aster
- C *Aster spinosus* - Mexican Devilweed
- A C *Baccharis emoryi* - Waterwillow; Emory Seepwillow
- A B C *Baccharis salicina* - Willow Baccharis; Rio Grande
 Seepwillow
- Balsamorhiza sagittata* - Arrowleaf Balsamroot
- A *Bidens frondosa* - Devil's Beggarticks
- C *Brickellia* spp. - Brickellbush
- B C *Brickellia californica* - California Brickellbush
- Brickellia grandiflora* - Tasselflower
- A B C *Brickellia longifolia* - Longleaf Brickellbush
- A B C *Brickellia microphylla* var. *scabra* - Rough
 Brickellbush
- C *Brickellia oblongifolia* var. *linifolia* - Mohave
 Brickellbush
- C *Carduus nutans* - Musk Thistle (EXOTIC)
- A C *Centaurea repens* - Russian Knapweed (EXOTIC)
- Centaurea virgata* ssp. *squarrosa* - Squarrose
 Knapweed (EXOTIC)
- B *Chaenactis douglasii* - Douglas Dusty Maiden
- A B C *Chaenactis stevioides* - False Yarrow; Steve's
 Pincushion
- A B C *Chaetopappa ericoides* - Baby White; Rose-heath
- Chamaechaenactis scaposa* - Eastwood-plant
- A B C *Chrysothamnus linifolius* - Spreading Rabbitbrush
- A B C *Chrysothamnus nauseosus* - Rubber Rabbitbrush

- A B C *Chrysothamnus nauseosus* var. *glabratus* - Glabrate Rabbitbrush
- A B C *Chrysothamnus nauseosus* var. *junceus* - Rush Rabbitbrush
- B *Chrysothamnus nauseosus* var. *leiospermus* - Smoothseed Rabbitbrush
- A *Chrysothamnus parryi* - Parry Rabbitbrush
- A B C *Chrysothamnus viscidiflorus* - Low Rabbitbrush
- A B *Chrysothamnus viscidiflorus* var. *lanceolatus* - Mountain Low Rabbitbrush
- A B C *Chrysothamnus viscidiflorus* var. *stenophyllus* - Narrowleaf Low Rabbitbrush
- B *Chrysothamnus viscidiflorus* var. *viscidiflorus* - Sticky Low Rabbitbrush
- Cichorium intybus* - Chicory (EXOTIC)
- B C *Cirsium arvense* var. *horridum* - Canada Thistle (EXOTIC)
- A B C *Cirsium calcareum* - Cainville Thistle
- B *Cirsium calcareum* var. *calcareum* - Cainville Thistle
- B *Cirsium calcareum* var. *pulchellum* - Pretty Thistle
- A C *Cirsium neomexicanum* var. *neomexicanum* - New Mexico Thistle
- B C *Cirsium neomexicanum* var. *utahense* - Utah Thistle
- B C *Cirsium rothrockii* - Rothrock Thistle
- A B C *Cirsium rydbergii* - Rydberg Thistle (RARE)
- A C *Cirsium undulatum* var. *undulatum* - Wavyleaf Thistle; Gray Thistle
- A C *Cirsium vulgare* - Bull Thistle (EXOTIC)
- A B C *Conyza canadensis* var. *glabrata* - Horseweed
- A C *Crepis runcinata* var. *glauca* - Dandelion Hawksbeard
- A C *Dicoria brandegei* - Desert Sandplant; Brandege's Dicoria
- A C *Dicoria canescens* ssp. *canescens* - Gray Sandplant
- C *Dyssodia pentachaeta* var. *belenidium* - Dogweed; Scale Glandweed
- A C *Encelia frutescens* var. *frutescens* - Bush Encelia
- C *Enceliopsis nudicaulis* - Nakedstem; Barestem Enceliopsis
- A C *Enceliopsis nutans* - Noddinghead
- B *Erigeron aphanactis* var. *aphanactis* - Hairy Daisy
- B C *Erigeron argentatus* - Silver Daisy
- A C *Erigeron bellidiastrum* - Pretty Daisy
- A C *Erigeron divergens* var. *divergens* - Spreading Daisy
- B *Erigeron engelmannii* - Engelmann Daisy
- B C *Erigeron flagellaris* - Trailing Daisy
- B *Erigeron kachinensis* - Kachina Daisy (RARE)
- A *Erigeron pulcherrimus* - Basin Daisy
- A B C *Erigeron pumilus* ssp. *concinoides* - Vernal Daisy
- A C *Erigeron utahensis* - Utah Daisy
- A B C *Erigeron utahensis* var. *sparsifolius* - Slenderleaf Daisy
- A B C *Erigeron utahensis* var. *utahensis* - Utah Daisy
- A *Flaveria campestris* - Marshweed

- Gaillardia aristata* - Blanketflower
- A C *Gaillardia pinnatifida* - Hopi Blanketflower;
Reddome Blanketflower
- A C *Gaillardia spathulata* - Basin Blanketflower
- C *Glyptopleura marginata* - Carveseed; Crustweed
- A C *Grindelia aphanactis* - Rayless Gumweed
- A C *Grindelia fastigiata* - Erect Gumweed (ENDEMIC)
- C *Grindelia squarrosa* var. *serrulata* - Curlycup
Gumweed
- A B C *Gutierrezia microcephala* - Threadleaf Snakeweed
- A B C *Gutierrezia sarothrae* - Broom Snakeweed
- C *Haplopappus acaulis* var. *acaulis* - Stemless
Goldenweed
- A C *Haplopappus armerioides* var. *armerioides* - Thrifty
Goldenweed
- B *Haplopappus clementis* - Clement Goldenweed
- A B C *Haplopappus drummondii* - Drummond's
Goldenweed
- C *Haplopappus gracilis* - Slender Goldenweed
- B C *Haplopappus scopulorum* var. *hirtellus* - Spindly
Goldenbush (RARE)
- C *Helenium autumnale* var. *montanum* - Common
Western Sneezeweed
- B *Helianthella microcephala* - Smallhead Sunflower
- C *Helianthella uniflora* - Rocky Mountain Dwarf
Sunflower
- A B C *Helianthus annuus* ssp. *lenticularis* - Common
Sunflower
- A *Helianthus anomalus* - Sand Sunflower (ENDEMIC)
- A B C *Helianthus petiolaris* ssp. *fallax* - Prairie Sunflower
- A *Heterotheca psammophila* - Sand Goldenaster
- B *Heterotheca villosa* - Hairy Goldenaster
- A B C *Heterotheca villosa* var. *foliosa* - Leafy Goldenaster
- A B C *Heterotheca villosa* var. *hispida* - Hispid Goldenaster
- B C *Heterotheca villosa* var. *villosa* - Hairy Goldenaster
- A B C *Hymenopappus filifolius* var. *cinereus* - Fineleaf
Woollywhite; Hyalineherb
- A B C *Hymenoxys acaulis* - Stemless Rubberweed;
Stemless Woollybase
- A B C *Hymenoxys acaulis* var. *arizonica* - Arizona
Rubberweed
- A B C *Hymenoxys acaulis* var. *ivesiana* - Ive's Rubberweed
- B C *Hymenoxys richardsonii* var. *floribunda* - Colorado
Rubberweed
- C *Iva axillaris* - Poverty Weed; Marsh Elder
- B C *Lactuca serriola* - Prickly Lettuce (EXOTIC)
- A C *Lactuca tatarica* var. *pulchella* - Blue Lettuce
- A *Lygodesmia entrada* - Entrada Rushpink;
Entrada Skeletonweed (RARE ENDEMIC)
- A C *Lygodesmia grandiflora* var. *arizonica* -
Skeletonweed; Showy Rush Pink
- C *Lygodesmia juncea* - Rush Skeletonweed
- A C *Machaeranthera bigelovii* var. *commixta* - Sticky
Spine Aster

- A C *Machaeranthera canescens* - Hoary Spine Aster
(ENDEMIC)
- C *Machaeranthera canescens* var. *aristata* - Aristate Spine Aster
- B C *Machaeranthera canescens* var. *canescens* - Hoary Spine Aster
- B *Machaeranthera canescens* var. *leucanthemifolia* - Thickleaf Spine Aster
- A B C *Machaeranthera grindelioides* var. *grindelioides* - Rayless Spine Aster; Gumweed Aster
- A C *Machaeranthera tanacetifolia* - Tansyleaf Spine Aster
- B C *Malacothrix glabrata* - Smooth Desert Dandelion
- A C *Malacothrix sonchoides* - Sowthistle Desert Dandelion
- A B C *Oxytenia acerosa* - Copperweed
- Perityle specuicola* - Alcove Rock Daisy (RARE ENDEMIC)
- A B C *Petradoria pumila* var. *pumila* - Rock Goldenrod
- A *Platyschkuhria integrifolia* - Basin Daisy; Nakedstem Bahia
- A C *Platyschkuhria integrifolia* var. *desertorum* - Desert Bahia (ENDEMIC)
- A C *Platyschkuhria integrifolia* var. *oblongifolia* - San Juan Bahia
- C *Pluchea sericea* - Arrowweed
- B C *Prenanthes exiguus* - Brightwhite
- Psathyrotes annua* - Mealy Rosettes
- A C *Senecio douglasii* var. *longilobus* - Douglas Groundsel
- A B C *Senecio multilobatus* - Lobeleaf Groundsel; Uinta Groundsel
- A B C *Senecio spartioides* var. *multicapitatus* - Manyhead Groundsel
- A B C *Senecio spartioides* var. *spartioides* - Broom Groundsel
- A B C *Solidago canadensis* - Goldenrod
- A C *Solidago occidentalis* - Western Goldenrod
- A B C *Solidago sparsiflora* - Alcove Goldenrod
- A B C *Sonchus asper* - Spiny Sowthistle (EXOTIC)
- A C *Stephanomeria exigua* - Annual Wirelettuce
- A B C *Stephanomeria pauciflora* - Few-flower Wirelettuce
- A B C *Stephanomeria tenuifolia* var. *tenuifolia* - Slender Wirelettuce
- C *Syntrichopappus fremontii* - Yellowray Fremont Gold
- A B C *Taraxacum officinale* - Common Dandelion (EXOTIC)
- Tetradymia canescens* - Gray Horsebrush
- A C *Tetradymia spinosa* - Spiny Horsebrush
- A C *Thelesperma subnudum* var. *subnudum* - Scapose Greenthread
- C *Townsendia* spp. - Townsend Daisy
- A C *Townsendia annua* - Annual Townsend Daisy
- B *Townsendia exscapa* - Stemless Townsend Daisy
- A B C *Townsendia incana* - Silvery Townsend Daisy
- B *Townsendia scapigera* - Tufted Townsend Daisy
- A C *Tragopogon dubius* - Yellow Salsify; Goatsbeard (EXOTIC)

- A C *Vancluvia stylosa* - Resinbush (ENDEMIC)
- B C *Verbesina encelioides* var. *exariculata* - Crownbeard
- C *Viguera multiflora* - Showy Goldeneye
- A B C *Wyethia scabra* - Rough Mulesears
- A B C *Xanthium strumarium* var. *canadense* - Common
Cocklebur (EXOTIC)
- A C *Xylorhiza glabriuscula* var. *linearifolia* - Smooth
Woody Aster (ENDEMIC)
- A C *Xylorhiza tortifolia* var. *imberbis* - Beardless
Woody Aster (ENDEMIC)
- A C *Xylorhiza tortifolia* - Mojave Aster; Hurtleaf
Woody Aster
- A B C *Xylorhiza venusta* - Cisco Woody Aster (ENDEMIC)

BERBERIDACEAE - BARBERRY FAMILY

- C *Berberis fendleri* - Colorado Barberry (RARE)
- A B C *Mahonia fremontii* - Fremont Mahonia;
Fremont Barberry
- A B *Mahonia repens* - Oregon Grape

BETULACEAE - BIRCH FAMILY

- A C *Betula occidentalis* - Water Birch
- C *Ostrya knowltonii* - Western Hophornbeam (RARE)

BIGNONIACEAE - CATALPA FAMILY

- A C *Catalpa bignonioides* - Common Catalpa (EXOTIC)

BORAGINACEAE - BORAGE FAMILY

- C *Cryptantha* spp. - Cryptantha; Hiddenflower;
Catseye
- B *Cryptantha ambigua* - Basin Cryptanth
- B C *Cryptantha confertiflora* - Dense-flowered Cryptanth
- A C *Cryptantha crassisepala* var. *elachantha* - Thick-
sepaled Cryptanth
- C *Cryptantha fendleri* - Fendler Cryptanth
- A B C *Cryptantha flava* - Yellow Cryptanth
- A B C *Cryptantha flavoculata* - Yellow-eye Cryptanth
- A B C *Cryptantha fulvocanescens* - Yellow-hair Cryptanth
- B C *Cryptantha gracilis* - Slender Cryptanth
- C *Cryptantha humilis* - Low Cryptanth
- C *Cryptantha johnstonii* - Johnston Cryptanth (ENDEMIC)
- C *Cryptantha kelseyana* - Prickly Cryptanth
- A *Cryptantha longiflora* - Long-flower Cryptanth
(ENDEMIC)
- A C *Cryptantha osterhoutii* - Osterhout Cryptanth
(ENDEMIC)
- C *Cryptantha paradoxa* - Paradox Cryptanth (ENDEMIC)
- A *Cryptantha pterocarya* - Wing-nut Cryptanth
- C *Cryptantha recurvata* - Bentstem Cryptanth
- A C *Cryptantha tenuis* - Thin Cryptanth (ENDEMIC)
- A *Cryptantha wetherillii* - Wetherill Cryptanth
(ENDEMIC)
- A *Cynoglossum officinale* - Houndstongue (EXOTIC)
- A B C *Heliotropium convolvulaceum* - Sweet-scented
Heliotrope; Showy Heliotrope

- A B C *Heliotropium curassavicum* var. *obovatum* - Salt Heliotrope; Quail Plant
- A B C *Lappula occidentalis* var. *cupulata* - Western Stickseed
- A B C *Lithospermum incisum* - Showy Stoneseed; Puccoon
- A B C *Tiquilia latior* - Woody Tiquilia; Hairy Crinklemat (ENDEMIC)

BRASSICACEAE - MUSTARD FAMILY (FORMERLY CRUCIFERAE)

- C *Alyssum alyssioides* - Alyssum (EXOTIC)
- C *Arabis* spp. - Rockcress
- B C *Arabis holboellii* - Holboell Rockcress
- A B C *Arabis perennans* - Perennial Rockcress
- A B C *Arabis pulchra* var. *pallens* - Beauty Rockcress
- B C *Arabis selbyi* - Selby Rockcress
- C *Barbarea vulgaris* - European Wintercress (EXOTIC)
- Capsella bursa-pastoris* - Shepherd's Purse (EXOTIC)
- Cardamine cordifolia* var. *cordifolia* - Heartleaf Bittercress
- B *Caulanthus crassicaulis* var. *glaber* - Spindlestem
- A *Chorispura tenella* - Musk Mustard (EXOTIC)
- A C *Conringia orientalis* - Hares-ear Mustard (EXOTIC)
- A B C *Descurainia californica* - Sierran Tansy-mustard
- A C *Descurainia pinnata* - Western Tansy-mustard
- B *Descurainia pinnata* var. *osmiarum* - Pinnate Tansy-mustard
- A C *Descurainia sophia* - Flixweed (EXOTIC)
- A C *Dithyrea wislizenii* - Spectacle Pod
- A B C *Draba cuneifolia* var. *cuneifolia* - Wedgeleaf; Whitlowgrass
- A *Draba reptans* - Dwarf Draba
- A B C *Erysimum asperum* - Wallflower
- Lepidium campestre* - Fieldcress (EXOTIC)
- A C *Lepidium densiflorum* - Densecress
- A B C *Lepidium fremontii* - Desert Peppergrass
- B C *Lepidium latifolium* - Perennial Pepperweed; Broadleaf Peppergrass (EXOTIC)
- A *Lepidium montanum* - Mountain Pepperweed
- A B C *Lepidium montanum* var. *jonesii* - Jones Pepperweed
- A B C *Lepidium montanum* var. *spathulatum* - Tall Pepperweed
- A C *Lepidium perfoliatum* - Clasping Pepperweed (EXOTIC)
- C *Lepidium virginicum* var. *pubescens* - Virginiacress
- C *Lesquerella ludoviciana* - Silver Bladderpod
- B C *Lesquerella rectipes* - Dandelion Bladderpod; Colorado Bladderpod
- A B C *Malcolmia africana* - African Mustard (EXOTIC)
- A B *Nasturtium officinale* - Watercress (EXOTIC)
- A C *Physaria acutifolia* - Pointleaf Twinpod
- A B C *Physaria acutifolia* var. *acutifolia* - Pointleaf Twinpod
- B *Physaria chambersii* - Chambers Twinpod

- A B C *Physaria newberryi* - Newberry Twinpod
- B *Rorippa islandica* var. *hispida* - Yellowcress
- C *Schoenocrambe linifolia* - Slenderleaf Plainsmustard
- A B C *Sisymbrium altissimum* - Tumbling Mustard (EXOTIC)
- B *Sisymbrium irio* - London Mustard (EXOTIC)
- A B C *Stanleya pinnata* var. *pinnata* - Prince's Plume
- A B C *Streptanthella longirostris* - Beakpod Nippletwist
- A B C *Streptanthus cordatus* - Heartleaf Twist-flower
- C *Thelypodopsis divaricata* - San Juan Tumblemustard
(ENDEMIC)
- A *Thelypodopsis elegans* - Westwater Tumblemustard
- A B C *Thelypodium integrifolium* var. *gracilipes* - Tall
Thelypod

CACTACEAE - CACTUS FAMILY

- C *Echinocereus engelmanni* var. *variegatus* -
Engelmann Hedgehog Cactus
- A B C *Echinocereus triglochidiatus* var. *melanacanthus* -
Claretcup Cactus
- C *Opuntia basilaris* var. *basilaris* - Beavertail Cactus
(RARE)
- A B C *Opuntia erinacea* - Common Pricklypear
- A *Opuntia erinacea* var. *erinacea* - Common
Pricklypear
- A *Opuntia erinacea* var. *utahensis* - Common
Pricklypear
- C *Opuntia littoralis* var. *martiniana* - Littoral
Pricklypear
- A B C *Opuntia phaeacantha* - Berry Pricklypear
- B C *Opuntia phaeacantha* var. *major* - Large Pricklypear
- A B C *Opuntia polyacantha* - Central Pricklypear;
Plains Pricklypear
- A B C *Opuntia polyacantha* var. *polyacantha* - Plains
Pricklypear
- A B C *Opuntia whipplei* - Whipple Cholla
- A B C *Sclerocactus whipplei* var. *roseus* - Fishhook Cactus

CALLITRICHACEAE - WATER-STARWORT FAMILY

Callitriche heterophylla - Large Water-starwort

CAPPARACEAE - CAPER FAMILY

- A B C *Cleome lutea* - Yellow Bee Plant
- B C *Cleome serrulata* - Rocky Mountain Bee Plant

CAPRIFOLIACEAE - HONEYSUCKLE FAMILY

- A B C *Symphoricarpos longiflorus* - Longflower Snowberry
- B *Symphoricarpos oreophilus* - Mountain Snowberry

CARYOPHYLLACEAE - PINK FAMILY

- C *Arenaria congesta* var. *congesta* - Dense Sandwort
- A B C *Arenaria fendleri* - Fendler Sandwort
- C *Arenaria fendleri* var. *eastwoodiae* - Eastwood
Sandwort
- A *Arenaria fendleri* var. *fendleri* - Fendler Sandwort
- B *Arenaria macradenia* - Shrubby Sandwort
- A C *Silene antirrhina* - Sleepy Catchfly

CELASTRACEAE - STAFFTREE FAMILY

- B C *Forsellesia meionandra* - Greasebush; Tongue Flower
- B C *Pachystima myrsinites* - Mountain Lover

CERATOPHYLLACEAE - HORNWORT FAMILY

- Ceratophyllum demersum* - Common Hornwort

CHENOPODIACEAE - GOOSEFOOT FAMILY

- A C *Allenrolfea occidentalis* - Pickleweed
- C *Atriplex argentea* - Silver Orach
- A B C *Atriplex canescens* var. *occidentalis* - Four-wing Saltbush
- A B C *Atriplex confertifolia* - Shadscale
- A C *Atriplex corrugata* - Mat Saltbush
- C *Atriplex gardneri* - Gardner Saltbush
- A B C *Atriplex gardneri* var. *cuneata* - Gardner Saltbush
- A C *Atriplex garrettii* - Garrett Saltbush (ENDEMIC)
- Atriplex heterosperma* - Two-seed Orach (EXOTIC)
- C *Atriplex rosea* - Tumbling Orach (EXOTIC)
- A B C *Bassia hyssopifolia* - Five-hook Smotherweed (EXOTIC)
- A B C *Ceratoides lanata* var. *lanata* - Winterfat
- A B C *Ceratoides lanata* var. *ruinina* - Winterfat
- C *Chenopodium* spp. - Goosefoot
- A B C *Chenopodium album* var. *album* - Lambsquarter; Goosefoot (EXOTIC)
- A *Chenopodium album* var. *berlandieri* - Pitseed Goosefoot (EXOTIC)
- C *Chenopodium atrovirens* - Mountain Goosefoot
- A B *Chenopodium dessicatum* - Desert Goosefoot
- A B C *Chenopodium fremontii* var. *fremontii* - Fremont Goosefoot
- A *Chenopodium glaucum* var. *salinum* - Oakleaf Goosefoot
- A B C *Chenopodium leptophyllum* - Narrowleaf Goosefoot
- A C *Corispermum villosum* - Tickseed
- A C *Cycloloma atriplicifolia* - Winged Pigweed (EXOTIC)
- A C *Grayia spinosa* - Spiny hopsage
- A C *Halogeton glomeratus* - Halogeton (EXOTIC)
- A B C *Kochia americana* - Gray Molly
- A C *Kochia scoparia* - Summer-cypress (EXOTIC)
- C *Monolepis nuttalliana* - Poverty-weed
- C *Salsola paulsenii* - Barbwire Tumbleweed (EXOTIC)
- A B C *Salsola pestifer* - Russian Thistle; Tumbleweed (EXOTIC)
- A B C *Sarcobatus vermiculatus* var. *vermiculatus* - Greasewood
- A *Suaeda calceoliformis* - Broom Seepweed
- A C *Suaeda occidentalis* - Western Seepweed
- A C *Suaeda torreyana* var. *torreyana* - Torrey Seepweed
- A B C *Zuckia brandegei* var. *brandegei* - Spineless Hopsage; Siltbush

CONVOLVULACEAE - CONVULVULUS FAMILY

- A B C *Convolvulus arvensis* - Field Bindweed (EXOTIC)
- A *Evolvulus nuttallianus* - Evolvulus

CORNACEAE - DOGWOOD FAMILY

- A B C *Cornus sericea* var. *sericea* - Red-osier Dogwood

CUCURBITACEAE - GOURD FAMILY

- C *Cucurbita foetidissima* - Stinking Gourd (RARE)

CUPRESSACEAE - CYPRESS FAMILY

- A B C *Juniperus osteosperma* - Utah Juniper

CYPERACEAE - SEDGE FAMILY

- A *Carex aquatilis* - Water Sedge
- A B C *Carex aurea* - Golden Sedge
- C *Carex bella* - Showy Sedge
- B *Carex disperma* - Softleaved Sedge
- B *Carex geophila* - Earth Sedge
- A *Carex hystericina* - Bottlebrush Sedge
- C *Carex lanuginosa* - Woolly Sedge
- B *Carex microptera* - Small-wing Sedge
- A C *Carex nebrascensis* - Nebraska Sedge
- B *Carex praegracilis* - Blackcreeper Sedge
- B C *Carex rossii* - Ross' Sedge
- A *Carex siccata* - Silvertop Sedge
- B *Carex specuicola* - Navajo Sedge (RARE THREATENED)
- A C *Carex subfusca* - Rusty Sedge
- C *Cyperus acuminatus* - Nutgrass
- A *Cyperus erythrorhizos* - Redroot Flat-sedge
- Cyperus esculentes* - Chufa Flat-sedge
- A C *Eleocharis palustris* - Creeping Spikerush
- C *Scirpus acutus* - Hardstem Bulrush
- A C *Scirpus americanus* - American Bulrush;
Olney's Threesquare
- A C *Scirpus maritimus* - Alkali Bulrush
- C *Scirpus pungens* var. *longispicatus* - Common
Threesquare
- A C *Scirpus validus* - Softstem Bulrush

ELAEAGNACEAE - OLEASTER FAMILY

- A C *Elaeagnus angustifolia* - Russian Olive (EXOTIC)
- B C *Shepherdia rotundifolia* - Roundleaf Buffaloberry
(ENDEMIC)

EPHEDRACEAE - JOINTFIR FAMILY

- A B C *Ephedra torreyana* - Torrey Mormon Tea
- A B C *Ephedra viridis* var. *viridis* - Green Mormon Tea
- A B C *Ephedra viridis* var. *viscida* - Cutler's Ephedra

EQUISETACEAE - HORSETAIL FAMILY

- A B C *Equisetum arvense* - Meadow Horsetail
- A B *Equisetum hyemale* var. *affine* - Common
Scouringrush
- A B C *Equisetum laevigatum* - Smooth Scouringrush

ERICACEAE - HEATH FAMILY

- B *Arctostaphylos patula* - Greenleaf Manzanita

EUPHORBIACEAE - SPURGE FAMILY

- A B C *Euphorbia brachycera* - Shorthorn Spurge
- A B C *Euphorbia fendleri* - Fendler Spurge; Fendler Carpetweed
- B C *Euphorbia glyptosperma* - Ridge-seeded Spurge
- A C *Euphorbia parryi* - Parry Spurge
- A *Tragia ramosa* - Noseburn

FABACEAE - PEA FAMILY (FORMERLY LEGUMINOSAE)

- A B C *Astragalus amphioxys* var. *amphioxys* - Crescent Milkvetch
- B *Astragalus beckwithii* - Beckwith Milkvetch
- A B C *Astragalus ceramicus* var. *ceramicus* - Painted Milkvetch
- C *Astragalus chamaeleuce* - Cicada Milkvetch
- A B C *Astragalus coltonii* var. *moabensis* - Moab Milkvetch (ENDEMIC)
- B *Astragalus cottamii* - Cottam Milkvetch (RARE ENDEMIC)
- A *Astragalus cymboides* - Canoe Milkvetch (ENDEMIC)
- A C *Astragalus desperatus* var. *desperatus* - Rimrock Milkvetch (ENDEMIC)
- A C *Astragalus flavus* - Yellow Milkvetch
- C *Astragalus flexuosus* - Pliant Milkvetch
- B C *Astragalus fucatus* - Hopi Milkvetch
- A *Astragalus geyeri* - Geyer's Milkvetch
- A *Astragalus iselyi* - Isely Milkvetch (RARE ENDEMIC)
- C *Astragalus kentrophyta* var. *coloradoensis* - Prickly Milkvetch (ENDEMIC)
- A C *Astragalus lentiginosus* var. *palans* - Freckled Milkvetch
- C *Astragalus lonchocarpus* - Great Rushy Milkvetch
- C *Astragalus missouriensis* var. *amphibolus* - Missouri Milkvetch
- A B C *Astragalus moencoppensis* - Moenkopi Milkvetch (RARE ENDEMIC)
- A B C *Astragalus mollissimus* var. *thompsonae* - Woolly Locoweed
- B C *Astragalus monumentalis* - Monument Milkvetch (RARE ENDEMIC)
- B C *Astragalus nidularis* - Birds-nest Milkvetch (RARE ENDEMIC)
- C *Astragalus nuttallianus* var. *micranthiformis* - Turkeypeas
- C *Astragalus pattersonii* - Patterson's Milkvetch
- C *Astragalus piscator* - Fisher Milkvetch
- A C *Astragalus praelongus* - Stinking Milkvetch
- A *Astragalus praelongus* var. *ellisiae* - Ellis Milkvetch
- A C *Astragalus praelongus* var. *lonchopus* - Longstipe Milkvetch (ENDEMIC)
- A C *Astragalus praelongus* var. *praelongus* - Stinking Milkvetch
- A C *Astragalus preussii* var. *preussii* - Preuss Milkvetch
- A C *Astragalus sabulonum* - Gravel Milkvetch

- A *Astragalus sabulosus* - Cisco Milkvetch (RARE ENDEMIC)
Astragalus scopulorum - Rocky Mountain Milkvetch
 C *Astragalus sesquiflorus* - Sandstone Milkvetch
 (ENDEMIC)
 B *Astragalus wingatanus* - Wingate Milkvetch
 A C *Caesalpinia repens* - Creeping Rush Pea (ENDEMIC)
 A B C *Dalea flavescens* var. *flavescens* - Kanab Prairie
 Clover (ENDEMIC)
 A B C *Dalea oligophylla* - Western Prairie Clover
 C *Glycyrrhiza glabra* - Licorice (EXOTIC)
 A C *Glycyrrhiza lepidota* - Wild Licorice
 A C *Hedysarum boreale* var. *boreale* - Northern
 Sweetvetch
 A C *Lathyrus brachycalyx* var. *zionis* - Zion Sweetpea
 A *Lathyrus eucosmus* - Seemly Sweetpea
 C *Lathyrus lanszwertii* var. *leucanthus* - Lanszwert
 Sweetpea
 C *Lotus utahensis* - Utah Trefoil
 A B C *Lupinus argenteus* - Silvery Lupine; Tall Lupine
 A *Lupinus brevicaulis* - Shortstem Lupine
 B *Lupinus caudatus* - Spurred Lupine
 B *Lupinus kingii* var. *kingii* - King Lupine
 B *Lupinus polyphyllus* var. *ammophilus* - Sand Lupine
 A B C *Lupinus pusillus* - Dwarf Lupine; Rusty Lupine
 A B C *Lupinus pusillus* var. *pusillus* - Dwarf Lupine
 A C *Medicago sativa* - Alfalfa (EXOTIC)
 A B C *Melilotus albus* - White Sweet Clover (EXOTIC)
 A B C *Melilotus officinalis* - Yellow Sweet Clover (EXOTIC)
 A *Parryella filifolia* - Dune Broom
Pediomelum aromaticum - Paradox Breadroot
 (ENDEMIC)
 C *Pediomelum megalanthum* - Large-flowered
 Breadroot
 C *Peteria thompsonae* - Thompson Peteria (RARE)
 A B C *Psoralidium lanceolatum* - Dune Scurf Pea
 C *Psoralidium tenuiflorum* - Prairie Scurf Pea
 B C *Psorothamnus thompsonae* var. *thompsonae* -
 Thompson Indigo-bush
 A *Robinia pseudoacacia* - Black Locust (EXOTIC)
 C *Sophora nuttalliana* - Silky Necklacedpod
 A C *Sophora stenophylla* - Narrowleaf Necklacedpod
 B *Thermopsis montana* - Golden Pea
 B *Trifolium longipes* var. *rusbyi* - Rydberg Clover
 B *Vicia americana* var. *americana* - American Vetch
 C *Vicia ludoviciana* - Louisiana Vetch

FAGACEAE - BEECH FAMILY

- A B C *Quercus gambelii* - Gambel Oak
 A B C *Quercus havardii* var. *tuckeri* - Sand Oak;
 Shinnery Oak
 A C *Quercus turbinella* - Live-oak; Turbinella

FUMARIACEAE - BLEEDINGHEART FAMILY

- A B C *Corydalis aurea* - Golden Corydalis

GENTIANACEAE - GENTIAN FAMILY

- A *Centaurium exaltatum* - Great Basin Centaury
- C *Gentiana affinis* - Rocky Mountain Gentian
- A C *Swertia albomarginata* - White-margined Swertia
- B C *Swertia radiata* - Showy Green Gentian
- B C *Swertia utahensis* - Utah Swertia

GERANIACEAE - GERANIUM FAMILY

- A B C *Erodium cicutarium* - Storksbill (EXOTIC)
- B *Geranium caespitosum* - Small-leaf Geranium

HYDROPHYLLACEAE - WATERLEAF FAMILY

- A *Nama demissum* - Purple-mat
- A C *Nama densum* var. *parviflorum* - Leafy Nama
- A *Nama hispidum* - Hairy Nama
- A B C *Phacelia crenulata* var. *corrugata* - Corrugate Phacelia
- B C *Phacelia crenulata* var. *crenulata* - Scalloped Phacelia
- A C *Phacelia demissa* var. *demissa* - Brittle Phacelia
(ENDEMIC)
- B *Phacelia heterophylla* - Scorpionweed
- A C *Phacelia howelliana* - Howell Phacelia (RARE ENDEMIC)
- A B C *Phacelia ivesiana* var. *ivesiana* - Ive's Phacelia

JUNCACEAE - RUSH FAMILY

- A B C *Juncus arcticus* - Baltic Rush; Wire Rush
- B *Juncus bufonius* - Toad Rush
- A B C *Juncus ensifolius* - Rocky Mountain Rush
- A B C *Juncus ensifolius* var. *brunnescens* - Rocky
 Mountain Rush
- B *Juncus ensifolius* var. *montanus* - Swordleaf Rush
- A B C *Juncus longistylus* - Longstyle Rush
- A *Juncus nevadensis* - Nevada Rush
- A C *Juncus tenuis* - Poverty Rush
- B C *Juncus torreyi* - Torrey Rush

JUNCAGINACEAE - ARROWGRASS FAMILY

- A *Triglochin maritima* - Maritime Arrowgrass

LAMIACEAE - MINT FAMILY (FORMERLY LABIATAE)

- C *Mentha* spp. - Mint
- C *Dracocephalum parviflorum* - Moleplant
- A B C *Hedeoma drummondii* - False Pennyroyal
- A B C *Marrubium vulgare* - Common Horehound (EXOTIC)
- A C *Poliomintha incana* - Rosemary Mint; Sand Mint;
 Purple Sage

LEMNACEAE - DUCKWEED FAMILY

- Lemna* spp. - Duckweed

LILIACEAE - LILY FAMILY

- B *Allium acuminatum* - Tapertip Wild Onion
- B *Allium brandegei* - Brandegee Onion
- A B C *Allium macropetalum* - Large-petal Wild Onion
- C *Allium nevadense* - Nevada Wild Onion
- A C *Allium textile* - Prairie Wild Onion
- A C *Androstephium breviflorum* - Purple Funnel Lily
- A C *Asparagus officinalis* - Asparagus (EXOTIC)

- C *Calochortus aureus* - Golden Mariposa Lily (ENDEMIC)
- B C *Calochortus flexuosus* - Winding Mariposa Lily
- A B C *Calochortus nuttallii* - Segoe Lily
- B C *Eremocrinum albomarginatum* - Desert Lily (ENDEMIC)
- A B C *Smilicina stellata* - False Solomon-seal
- A B C *Zigadenus elegans* - Elegant Death Camas
- B C *Zigadenus paniculatus* - Foothill Death Camas
- A B C *Zigadenus vaginatus* - Alcove Death Camas
(RARE ENDEMIC)

LINACEAE - FLAX FAMILY

- A B C *Linum aristatum* - Broom-flax
- A B C *Linum perenne* ssp. *lewisii* - Blue-flax
- C *Linum puberulum* - Puberlent Yellow-flax
- B *Linum subterres* - Utah Yellow-flax

LOASACEAE - LOASA FAMILY

- A C *Mentzelia albicaulis* - Whitestem Blazing Star
- C *Mentzelia marginata* - Cronquist Stickleaf
- A B C *Mentzelia multiflora* - Desert Blazing Star
- C *Mentzelia nitens* - Curvepod Stickleaf
- A C *Mentzelia pterosperma* - Wingseed Stickleaf
- A B C *Mentzelia pumila* - Wyoming Stickleaf

MALVACEAE - MALLOW FAMILY

- C *Malva neglecta* - Umbrella Mallow (EXOTIC)
- C *Malvella leprosa* - Alkali Mallow
- A C *Sphaeralcea coccinea* - Scarlet Globemallow
- C *Sphaeralcea grossulariifolia* - Gooseberry-leaved Globemallow
- C *Sphaeralcea janeae* - Jane Globemallow (RARE ENDEMIC)
- A C *Sphaeralcea leptophylla* - Scaly Globemallow
- B *Sphaeralcea munroana* - Monroe Globemallow
- A B C *Sphaeralcea parvifolia* - Small-leaved Globemallow

MARSILEACEAE- PEPPERWORT FAMILY

- C *Marsilea vestita* - Water Shamrock

MORACEAE - MULBERRY FAMILY

- A C *Morus alba* - White Mulberry (EXOTIC)
- A *Morus rubra* - Red Mulberry (EXOTIC)

NYCTAGINACEAE - FOUR O'CLOCK FAMILY

- A C *Abronia fragrans* - Snowball Sand Verbena
- C *Alliona incarnata* - Trailing Windmills
- B C *Mirabilis linearis* - Narrowleaf Umbrellawort
- A B C *Mirabilis linearis* var. *linearis* - Narrowleaf Umbrellawort
- A B C *Mirabilis multiflora* - Colorado Four O'clock
- B *Mirabilis oxybaphoides* - Spreading Four O'clock
- C *Tripterocalyx carneus* var. *wootonii* - Wooton Sand Verbena
- A C *Tripterocalyx micranthus* - Sandpuffs; Small-flowered Sand Verbena

OLEACEAE - OLIVE FAMILY

- C *Forestiera pubescens* - Desert Olive; Forestiera
- A B C *Fraxinus anomala* - Singleleaf Ash

ONAGRACEAE - EVENING PRIMROSE FAMILY

- B C *Calylophus lavandulifolius* - Lavenderleaf Evening-primrose
- A *Camissonia eastwoodiae* - Eastwood Camissonia (ENDEMIC)
- C *Camissonia multijuga* - Desert Day Primrose
- A *Camissonia scapoidea* var. *scapoidea* - Scapose Cammisonia
- C *Camissonia walkeri* - Walker Primrose
- A *Epilobium ciliatum* - Sticky Willowherb; Northern Willowherb
- A C *Gaura parviflora* - Willow Gaura; Lizardtail
- B C *Oenothera albicaulis* - Whitestem Evening-primrose
- A B C *Oenothera caespitosa* - White Tufted Evening-primrose
- A B C *Oenothera longissima* - Tall Yellow Evening-primrose
- A B C *Oenothera pallida* var. *pallida* - Pale Evening-primrose
- A C *Oenothera pallida* var. *trichocalyx* - Hairy Evening-primrose

ORCHIDACEAE - ORCHID FAMILY

- A B C *Epipactus gigantea* - Stream Orchid; Giant Epipactus
- A B C *Habenaria sparsiflora* var. *sparsiflora* - Sparse-flowered Bog-orchid
- A B C *Habenaria zothecina* - Alcove Bog-orchid (RARE ENDEMIC)

OROBANCHACEAE - BROOMRAPE FAMILY

- A C *Orobanche fasciculata* - Cluster Cancerroot
- C *Orobanche ludoviciana* - Louisiana Cancerroot
- C *Orobanche multiflora* - Spike Broomrape

PAPAVERACEAE - POPPY FAMILY

- C *Argemone corymbosa* ssp. *arenicola* - Prickly Poppy

PINACEAE - PINE FAMILY

- C *Abies concolor* - White Fir
- A B C *Pinus edulis* - Pinyon Pine
- B C *Pinus ponderosa* - Ponderosa Pine
- B C *Pseudotsuga menziesii* - var. *glauca* - Douglas Fir

PLANTAGINACEAE - PLANTAIN FAMILY

- C *Plantago major* - Broadleaf Plantain (EXOTIC)
- A B C *Plantago patagonica* - Woolly Plantain

POACEAE - GRASS FAMILY

- B C *Agropyron cristatum* - Crested Wheatgrass (EXOTIC)
- A *Agropyron desertorum* - Crested Wheatgrass (EXOTIC)
- B *Agrostis exarata* - Spike Bentgrass
- A B C *Agrostis stolonifera* - Redtop (EXOTIC)
- C *Andropogon glomeratus* - Bushy Bluestem
- C *Aristida arizonica* - Arizona Threeawn
- A B C *Aristida purpurea* - Purple Threeawn
- B *Avena fatua* - Oats (EXOTIC)

- C *Bothriochloa barbinodis* - Beardgrass; Cane Bluestem
- C *Bothriochloa laguroides* - Silver Bluestem
- A C *Bouteloua barbata* var. *barbata* - Sixweeks Grama
- A B C *Bouteloua curtipendula* - Sideoats Grama
- B C *Bouteloua gracilis* - Blue Grama
- A C *Bromus carinatus* - Mountain Brome
- B C *Bromus inermis* - Smooth Brome (EXOTIC)
- B C *Bromus japonicus* - Japanese Brome (EXOTIC)
- B *Bromus rubens* - Red Brome (EXOTIC)
- A B C *Bromus tectorum* - Cheatgrass (EXOTIC)
- B C *Calamagrostis scopulorum* - Jones Reedgrass
- A *Cenchrus longispinus* - Sandbur
- A B *Dactylis glomerata* - Orchard Grass (EXOTIC)
- A B C *Distichlis spicata* - Desert Saltgrass
- A B C *Echinochloa crus-galli* - Barnyard Grass
- A B C *Elymus canadensis* - Canada Wild Rye
- C *Elymus elongatus* - Tall Wheatgrass (EXOTIC)
- A B C *Elymus elymoides* - Squirreltail
- C *Elymus hispidus* - Intermediate Wheatgrass (EXOTIC)
- C *Elymus lanceolatus* - Thickspike Wheatgrass
- A B C *Elymus salinus* - Salina Wild Rye
- A B C *Elymus smithii* - Western Wheatgrass
- A B C *Elymus trachycaulus* - Slender Wheatgrass
- C *Elymus virginicus* - var. *submuticus* - Virginia Wild Rye
- C *Eragrostis pectinacea* - Tufted Lovegrass
- A B C *Erioneuron pilosum* - Hairy Erioneuron
- A C *Erioneuron pulchellum* - Fluffgrass
- A B C *Festuca octoflora* - Sixweeks Fescue
- B *Festuca ovina* - Sheep Fescue
- A B *Glyceria striata* - Fowl Mannagrass
- A B C *Hilaria jamesii* - Galleta Grass
- C *Hordeum* spp. - Barleygrass
- A B C *Hordeum jubatum* - Foxtail Barley (EXOTIC)
- C *Hordeum murinum* - Rabbit Barley (EXOTIC)
- C *Hordeum pusillum* - Little Barley
- C *Leptochloa fascicularis* - Sprangletop
- B C *Muhlenbergia* spp. - Muhly
- A B C *Muhlenbergia andina* - Foxtail Muhly
- C *Muhlenbergia arsenei* - Navajo Muhly
- A B C *Muhlenbergia asperifolia* - Scratchgrass
- A *Muhlenbergia mexicana* - Mexican Muhly
- B C *Muhlenbergia pauciflora* - New Mexican Muhly
- C *Muhlenbergia porteri* - Bush Muhly
- A B C *Muhlenbergia pungens* - Sandhill Muhly; Pungent Muhly
- A B C *Muhlenbergia thurberi* - Thurber Muhly
- A *Munroa squarrosa* - False Buffalograss
- B C *Oryzopsis micrantha* - Littleseed Ricegrass
- A B C *Panicum acuminatum* - Bundle Panic
- C *Panicum capillare* - Witchgrass
- C *Panicum obtusum* var. *scribnerianum* - Vine Mesquite; Panic Grass

- C *Panicum virgatum* - Switchgrass
- A B C *Phleum pratense* - Timothy (EXOTIC)
- A B C *Phragmites australis* - Common Reed
- C *Poa bigelovii* - Bigelow Bluegrass
- B *Poa bulbosa* - Bulbous Bluegrass (EXOTIC)
- B *Poa compressi* - Canada Bluegrass (EXOTIC)
- A B C *Poa fendleriana* - Mutton Grass
- B *Poa glauca* var. *glauca* - Greenland Bluegrass
- A *Poa pratensis* - Kentucky Bluegrass (EXOTIC)
- B *Poa secunda* - Sandberg Bluegrass
- A B C *Polypogon monspeliensis* - Rabbitfoot Grass (EXOTIC)
- B C *Polypogon semiverticillatus* - Water Bent (EXOTIC)
- A *Puccinellia distans* - Weeping Alkaligrass
- C *Puccinellia nuttalliana* - Nuttall Alkaligrass
- C *Schedonnardus paniculatus* - Tumblegrass
- A B C *Schizachyrium scoparium* var. *neomexicanum* - Little Bluestem
- A *Secale cereale* - Cultivated Rye (EXOTIC)
- A *Setaria viridis* - Green Bristlegrass (EXOTIC)
- C *Sorghum halepense* - Johnson Grass (EXOTIC)
- C *Spartina gracilis* - Alkali Cordgrass
- C *Spartina pectinata* - Prairie Cordgrass
- A *Sphenopholis obtusata* - Prairie Wedgegrass
- A B C *Sporobolus airoides* var. *airoides* - Alkali Sacaton
- A C *Sporobolus contractus* - Spike Dropseed
- A B C *Sporobolus cryptandrus* - Sand Dropseed
- A C *Sporobolus flexuosus* - Mesa Dropseed
- A C *Sporobolus giganteus* - Giant Dropseed
- C *Stipa arida* - Arid Needlegrass
- A *Stipa x bloomeri* - Bloomer Ricegrass
- A B C *Stipa comata* var. *comata* - Needle-and-thread Grass
- A C *Stipa coronata* var. *depauperata* - Crested Needlegrass
- B C *Stipa coronata* var. *parishii* - Crested Needlegrass
- A B C *Stipa hymenoides* - Indian Ricegrass
- B C *Stipa lettermanii* - Letterman Needlegrass
- C *Stipa neomexicana* - New Mexico Needlegrass
- A B C *Stipa speciosa* - Desert Needlegrass
- A B C *Tridens muticus* - Slim Tridens
- A *Triticum aestivum* - Wheat (EXOTIC)

POLEMONIACEAE - PHLOX FAMILY

- C *Gilia* spp. - Gilia
- A B C *Gilia aggregata* - Scarlet Gilia
- A B C *Gilia congesta* - Ballhead Gilia
- C *Gilia congesta* var. *frutescens* - Shrubby Gilia
- A B C *Gilia gunnisonii* - Gunnison Gilia
- C *Gilia hutchinsifolia* - Hutchins Gilia
- A B C *Gilia inconspicua* - Shy Gilia
- B *Gilia inconspicua* var. *inconspicua* - Shy Gilia
- B C *Gilia latifolia* var. *imperialis* - Spiny Gilia (ENDEMIC)
- A B C *Gilia leptomeria* - Great Basin Gilia
- C *Gilia longiflora* - Long-flower Gilia
- C *Gilia polycladon* - Spreading Gilia

- A B C *Gilia roseata* - Roseate Gilia (ENDEMIC)
- A B C *Gilia subnuda* - Coral Gilia; Sand Gilia
- B C *Leptodactylon pungens* - Sharp Prickly Phlox
- A C *Leptodactylon watsonii* - Watson Prickly Phlox
- A C *Phlox austromontana* - Desert Phlox
- B *Phlox gladiformis* - Cedar Canyon Phlox
- B C *Phlox hoodii* var. *canescens* - Hooded Phlox
- B C *Phlox longifolia* - Longleaf Phlox

POLYGALACEAE - MILKWORT FAMILY

- A *Polygala subspinosa* - Cushion Milkwort

POLYGONACEAE - BUCKWHEAT FAMILY

- Chorizanthe brevicornu* - Short Spineflower
- C *Eriogonum* spp. - Buckwheat
- A B C *Eriogonum alatum* - Winged Buckwheat
- A C *Eriogonum bicolor* - Pretty Buckwheat (ENDEMIC)
- B C *Eriogonum cernuum* - Nodding Buckwheat
- Eriogonum contortum* - Grand Buckwheat
- A B C *Eriogonum corymbosum* - Corymbed Buckwheat
- A B C *Eriogonum corymbosum* var. *corymbosum* - Corymbed Buckwheat
- A B *Eriogonum corymbosum* var. *orbiculatum* - Rimrock Buckwheat
- A B C *Eriogonum corymbosum* var. *smithii* - Flattop Buckwheat (RARE ENDEMIC)
- B C *Eriogonum deflexum* var. *deflexum* - Skeletonweed Buckwheat
- A C *Eriogonum gordonii* - Gordon Buckwheat
- C *Eriogonum hookeri* - Watson Buckwheat
- A B C *Eriogonum inflatum* - Desert Trumpet
- B *Eriogonum inflatum* var. *fusiforme* - Desert Trumpet
- A *Eriogonum jonesii* - Wild Buckwheat
- A C *Eriogonum leptocladon* - Sand Buckwheat
- A *Eriogonum leptocladon* var. *leptocladon* - Sand Buckwheat
- C *Eriogonum lonchophyllum* var. *lonchophyllum* - Longleaf Buckwheat
- A B C *Eriogonum microthecum* - Slender Buckwheat
- A B C *Eriogonum microthecum* var. *foliosum* - Slender Buckwheat
- A B C *Eriogonum microthecum* var. *laxiflorum* - Slender Buckwheat
- A B C *Eriogonum ovalifolium* - Cushion Buckwheat
- C *Eriogonum palmerianum* - Palmer Buckwheat
- B *Eriogonum racemosum* - Redroot Buckwheat
- C *Eriogonum shockleyi* - Shockley Buckwheat
- Eriogonum subreniforme* - Umbrella-plant
- B C *Eriogonum umbellatum* var. *subaridum* - Sulfur Buckwheat
- C *Eriogonum watsonii* - Wild Buckwheat
- A B C *Eriogonum wetherillii* - Maidens Hairnet
- B *Polygonum aviculare* - Knotweed (EXOTIC)
- A *Polygonum lapathifolium* - Willowweed (EXOTIC)

- A B C *Rumex hymenosepalus* - Curly Dock; Canaigre;
Wild Rhubarb
- A C *Rumex venosus* - Veiny Dock; Large-valve Dock

POLYPODIACEAE - FERN FAMILY

- A B C *Adiantum capillus-veneris* - Maidenhair Fern
- C *Asplenium resiliens* - Little Ebony Spleenwort
- B C *Cheilanthes feei* - Slender Lipfern
- A *Cystopteris fragilis* - Brittle Bladderfern
- A *Cystopteris utahensis* - Utah Bladderfern
- C *Notholaena limitanea* var. *limitanea* - Cloak-fern
- A B C *Pellaea breweri* - Brewer's Cliff-brake
- A B C *Pellaea glabella* - Suksdorf Cliff-brake
- A C *Pellaea limitanea* - Border Cloak-fern
- A *Pteridium aquilinum* var. *pubescens* - Bracken Fern

PORTULACACEAE - PURSLANE FAMILY

- A B *Portulaca oleracea* - Purslane
- B C *Talinum brevifolium* - Pygmy Flameflower (RARE)

PRIMULACEAE - PRIMROSE FAMILY

- A C *Primula specuicola* - Easter-flower; Cave Primrose
(RARE ENDEMIC)

RANUCULACEAE - BUTTERCUP FAMILY

- B *Aquilegia flavescens* var. *flavescens* - Yellow
Columbine
- A B C *Aquilegia micrantha* - Miniature Columbine
- B *Clematis columbiana* - Columbian Virgins-bower
- B *Clematis hirsutissima* - Lion's Beard
- A B C *Clematis ligusticifolia* - Western Virgins-bower;
White Virgins-bower
- A B C *Delphinium andersonii* var. *scaposum* - Anderson
Larkspur
- A B C *Delphinium nuttallianum* - Bilobe Larkspur
- C *Ranunculus* spp. - Buttercup
- A B C *Ranunculus cymbalaria* - Shore Buttercup
- A B C *Ranunculus testiculatus* - Bur Buttercup (EXOTIC)

RHAMNACEAE -BUCKTHORN FAMILY

- C *Ceanothus greggii* var. *franklinii* - Desert
Ceanothus; Buckbrush
- A B C *Rhamnus betulifolia* - Birchleaf Buckthorn

ROSACEAE - ROSE FAMILY

- C *Amelanchier alnifolia* - Saskatoon Serviceberry
- A B C *Amelanchier utahensis* - Utah Serviceberry
- A B C *Cercocarpus intricatus* - Littleleaf Mountain
Mahogany
- B C *Cercocarpus ledifolius* - Curleaf Mountain
Mahogany
- A B C *Cercocarpus montanus* - Mountain Mahogany
- A B C *Coleogyne ramosissima* - Blackbrush
- C *Fallugia paradoxa* - Apache Plume
- A B C *Holodiscus dumosus* - Mountain Spray;
Shrubby Creambush
- B *Peraphyllum ramosissimum* - Squaw Apple

- A B C *Petrophytum caespitosum* - Rockmat
- A B *Physocarpus alternans* - Dwarf Ninebark
- C *Potentilla biennis* - Green Cinquefoil
- C *Prunus persica* - Peach (EXOTIC)
- B C *Prunus virginiana* var. *melanocarpa* - Choke Cherry
- A B C *Purshia mexicana* var. *stansburyana* - Cliffrose
- A *Purshia tridentata* - Bitterbrush
- A B C *Rosa woodsii* var. *ultramontana* - Wood's Wild Rose

RUBIACEAE - MADDER FAMILY

- B C *Galium aparine* var. *echinospermum* - Catchwad
 Bedstraw
- A B C *Galium multiflorum* var. *coloradoense* - Shrubby
 Bedstraw
- A *Galium triflorum* - Sweet-scented Bedstraw

SALICACEAE - WILLOW FAMILY

- B C *Populus x acuminata* - Lanceleaf Cottonwood
- A B C *Populus alba* - White Poplar (EXOTIC)
- B *Populus angustifolia* - Narrowleaf Cottonwood
- A C *Populus x canadensis* - Carolina Poplar (EXOTIC)
- A B C *Populus fremontii* - Fremont Cottonwood
- C *Populus tremuloides* - Quaking Aspen
- A C *Salix amygdaloides* - Peachleaf Willow
- A B C *Salix exigua* ssp. *exigua* var. *stenophylla* - Sandbar
 Willow; Coyote Willow
- C *Salix gooddingii* - Black Willow
- A B C *Salix lucida* ssp. *caudata* - Whiplash Willow
- A B C *Salix lutea* var. *watsonii* - Yellow Willow
- B *Salix melanopsis* - Narrowleaf Willow

SANTALACEAE - SANDALWOOD FAMILY

- A B C *Comandra umbellata* var. *pallida* - Bastard Toadflax

SAXIFRAGACEAE - SAXIFRAGE FAMILY

- A C *Fendlera rupicola* - Cliff Fendlerbush; False
 Mockorange
- C *Philadelphus microphyllus* - Littleleaf Mockorange
- C *Ribes aureum* - Golden Currant
- C *Ribes cereum* - Wax Currant
- A *Ribes inerme* - Whitestem Gooseberry

SCROPHULARIACEAE - FIGWORT FAMILY

- C *Castilleja* spp. - Indian Paintbrush
- A B C *Castilleja chromosa* - Early Paintbrush
- A *Castilleja exilis* - Indian Paintbrush
- C *Castilleja flava* var. *flava* - Yellow Paintbrush
- A B C *Castilleja linariifolia* - Linearleaf Paintbrush
- C *Castilleja miniata* - Scarlet Paintbrush
- A B C *Castilleja scabrida* var. *scabrida* - Eastwood
 Paintbrush
- Collinsia parviflora* - Blue-eyed Mary
- B *Cordylanthus kingii* var. *kingii* - King's Birdbeak
- C *Cordylanthus parviflorus* - Small-flower Birdbeak
- A B C *Cordylanthus wrightii* - Wright's Birdbeak

- A *Linaria dalmatica* - Dalmation Toadflax (EXOTIC)
- A B C *Mimulus eastwoodiae* - Scarlet Monkey-flower
- A B C *Mimulus guttatus* - Yellow Monkey-flower
- B *Mimulus rubellus* - Reddish Monkey-flower
- B C *Pedicularis centranthera* - Pinyon-juniper Lousewort
- C *Penstemon* spp. - Beardtongue
- B *Penstemon angustifolius* var. *venosus* - Narrowleaf Penstemon
- A B C *Penstemon barbatus* - Scarlet Bugler
- B C *Penstemon comarrhenus* - Dusty Penstemon
- A B C *Penstemon cyanocaulis* - Bluestem Penstemon
- A B C *Penstemon eatonii* - Eaton Penstemon
- A C *Penstemon fremontii* - Fremont Penstemon
- B *Penstemon lentus* var. *albiflorus* - Abajo Penstemon (ENDEMIC)
- A *Penstemon ophianthus* - Loa Penstemon
- B *Penstemon pachyphyllus* - Thickleaf Penstemon
- B C *Penstemon palmeri* - Palmer Penstemon
- B *Penstemon rostriflorus* - Bridges Penstemon
- B *Penstemon strictiformis* - Natural Bridges Penstemon
- B C *Penstemon strictus* - Rocky Mountain Penstemon
- A B C *Penstemon utahensis* - Utah Penstemon
- C *Penstemon watsonii* - Watson Penstemon
- A C *Verbascum thapsus* - Woolly Mullein (EXOTIC)
- B *Veronica anagallis-aquatica* - Water Speedwell (EXOTIC)

SOLANACEAE - POTATO FAMILY

- C *Datura stramonium* - Jimsonweed
- A B C *Datura wrightii* - Sacred Datura; Moonflower; Indian Apple; Angel's Trumpet
- B C *Lycium andersonii* - Anderson Wolfberry
- B C *Lycium pallidum* - Tomatillo; Pale Wolfberry
- C *Lycium torreyi* - Torrey Wolfberry
- B *Nicotiana attenuata* - Coyote Tobacco
- B C *Nicotiana trigonophylla* - Desert Tobacco
- A C *Physalis hederifolia* var. *fendleri* - Fendler Ground-cherry
- C *Physalis longifolia* - Common Ground-cherry
- C *Physalis virginiana* - Virginia Ground-cherry
- C *Solanum rostratum* - Buffalobur (EXOTIC)
- B *Solanum triflorum* - Cutleaf Nightshade

TAMARICACEAE - TAMARISK FAMILY

- A B C *Tamarix chinensis* - Tamarisk; Salt Cedar (EXOTIC)

TYPHACEAE - CATTAIL FAMILY

- C *Typha domingensis* - Common Cattail
- A B C *Typha latifolia* - Broadleaf Cattail

ULMACEAE - ELM FAMILY

- A B C *Celtis reticulata* - Netleaf Hackberry
- A C *Ulmus pumila* - Siberian Elm (EXOTIC)

VERBENACEAE - VERVAIN FAMILY

- C *Phyla cuneifolia* - Wedgeleaf Frogfruit
- A B C *Verbena bracteata* - Prostrate Vervain

VIOLACEAE - VIOLET FAMILY

- A *Viola purpurea* var. *venosa* - Pine Violet

VISCACEAE - MISTLETOE FAMILY

- B C *Arceuthobium cyanocarpum* - Dwarf Mistletoe
- A B *Arceuthobium divaricatum* - Pinyon Dwarf Mistletoe
- A B C *Phoradendron juniperinum* ssp. *juniperinum* - Juniper Mistletoe

ZYGOPHYLLACEAE - CALTROP FAMILY

- C *Kallstroemia californica* - California Caltrop; Yellow Kallstroemia
- A B C *Tribulus terrestris* - Goathead; Puncture Vine (EXOTIC)



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