

Beaver Dam Wash Vascular Plant Lists

Stanley L. Welsh

13 February 2007

There are more than 400 species of plants known from the Utah portion of Beaver Dam Wash, including the Beaver Dam Slope and the Beaver Dam Mountains. The first list is of those whose distribution is principally in Beaver Dam Wash. Mainly they are indigenous species, but some are cultivated species (*) whose distribution in Utah is confined to Washington County; a few are weedy species (**). The unique species total 174 and represent 43.5% of the total species known for the Wash, and about 5.6% of the indigenous flora of the state.

A second list of riparian plant species is presented following the first list. The 42 species from the second list represent 10.5% of the known flora of the wash. Both lists are organized alphabetically by family, genus, and species.

Coniferous plants:

Ephedra fasciculata A. Nelson

Ferns and relatives:

Isoetaceae

Isoetes howellii Engelman

Marsileaceae

Marsilea oligospora Goodding

Polypodiaceae

Cheilanthes parryi (D. C. Eaton) Domin

Pellaea jonesii (Maxon) Morton

Salviniaceae

Azolla filicaloides Lamarck

Flowering plants: (Net-veined plants)

Amaranthaceae

Amaranthus fimbriatus (Torrey) Bentham

Apocynaceae

Vinca major *

Araliaceae

Hedra helix

Asclepiadaceae

Asclepias erosa Torrey

Bignoniaceae

Campsis radicans (L.) Seemann*

Chilopsis linearis (Cavanilles) Sweet

Boraginaceae

Cryptantha barbiger (A. Gray) Greene!

Cryptantha dicipiens (M. E. Jones) Heller

Cryptantha dumetorum Greene

Cryptantha racemosa (S. Watson) Greene

Cryptantha virginensis (M. E. Jones) Payson

Pectocarya platycarpa (Munz & Johnston)

Munz & Johnston!

Pectocarya recurvata Johnston!

Pectocarya setosa A. Gray!

Tiquilia canescens (Hooker) A. Richardson!

Buddlejaceae

Buddleja utahensis Coville

Cactaceae

Coryphantha vivipara (Nuttall) Britton & Rose

var. *deserti* (Engelmann) W. T. Marshall

Echinocactus polycephalus Engelmann &

Bigelow

Ferocactus cylindraceus (Engelmann) Orcutt

Mamillaria tetrancistra Engelmann

Neolloydia johnstonii (Parry ex Engelmann) L.

Benson

Opuntia acanthocarpa Engelmann & Bigelow

Opuntia basillaris Engelmann & Bigelow

Opuntia chlorotica Engelmann & Bigelow

Opuntia echinocarpa Engelmann

Opuntia erinacea Engelmann

Opuntia phaeacantha Engelmann

var. *castorea* S. L. Welsh & N. D. Atwood

Campanulaceae

Nemacladus glanduliferus

Celastraceae

Mortonia scabrella A. Gray

Chenopodiaceae

Compositae

Adenophyllum cooperi (A. Gray) Strother
Ambrosia confertifolia DC.
Ambrosia dumosa (A. Gray) Payne
Ambrosia eriocentra (A. Gray) Payne
Ambrosia sandersonii S. L. Welsh
Amphipappus fremontii Torrey & Gray
Aster exilis Elliott
Atrichoseris platyphylla (A. Gray) A. Gray
Baccharis salicifolia (Ruiz & Pavon) Pesoon
Baccharis serigilloides A. Gray
Baccharis viminea DC.
Baileya pleniradiata Harvey & Gray
Bebbia juncea (Bentham) Graham
Calycoseris parryi A. Gray
Calycoseris wrightii A. Gray
Chrysothamnus paniculatus
Conyza bonariensis (L.) Cronquist
Conyza coulteri A. Gray
Encelia farinosa A. Gray
Enceliopsis nudicaulis (A. Gray) A. Nelson
var. *bairdii* S. L. Welsh
Eriophyllum lanosum (A. Gray) A. Gray
Eriophyllum wallacei (A. Gray) A. Gray
Filago californica Nuttall
Gaillardia arizonica A. Gray
Geraea canescens Torrey & Gray
Glyptopleura setulosa A. Gray
Haplopappus laricifolia A. Gray
Haplopappus linearifolia A. Gray
Hymenoclea salsola
Machaeranthera asteroides (Torrey) Greene
Malacothrix clevelandii A. Gray
Malacothrix coulteri Harvey & Gray
Monoptilon bellidiforme Torrey & Gray
Palafoxia arida Turner & Morris
Parthenium incanum H. B. K.
Pectis papposa
Pluchea odorata (L.) Cassini
Psathyrotes annua
Psilostrophe cooperi
Rafinesquia californica Nuttall
Rafinesquia neomexicana A. Gray
Senecio flaccidus Lessing
var. *monoensis* (Greene) Turner & Barkley
Stylocline intertexta Morefield
Tetradymia axillaris A. Nelson
Xylorhiza tortifolia (Torrey & Gray) Greene

Atriplex hymenelytra (Torrey) S. Watson

Convolvulaceae

Calystegia longipes (S. Watson) Brummett
Convolvulus equitans Bentham

Cruciferae

Athysanus pusillus (Hooker) Greene
Caulanthus cooperi (S. Watson) Payson
Caulanthus lasiophyllus (Hooker & Arnot)

Payson

Lepidium fremontii S. Watson
Physaria tenella (A. Nelson) OKane & Al-Shehbaz

Cucurbitaceae

Cucurbita foetidissima H. B. K.

Ebenaceae

Diospyros virginiana L.*

Ericaceae

Arctostaphylos pringlei Parry

Euphorbiaceae

Chamaesyce setiloba (Engelmann) Millsbaugh
Croton californica Muell-Arg.

Garryaceae

Garrya flavescens S. Watson'

Hydrophyllaceae

Eriodictyon angustifolium Nuttall
Phacelia anelsonii Macbride
Phacelia caerulea Greene
Phacelia cryptantha Greene
Phacelia fremontii Torrey
Phacelia vallis-mortae Voss
Tricardia watsonii Torrey ex S. Watson

Juglandaceae

Juglans major (Torrey) Heller*

Krameriaceae

Krameria erecta Willdenow
Krameria grayi Roser & Painter

Labiatae

Salazaria mexicana
Salvia columbariae Bentham
Salvia dorrii (Kellogg) Abrams

- Stachys albens* A. Gray
- Leguminosae
- Acacia greggii* A. Gray
Astragalus calycosus Torrey
 var. *scaposus* (A. Gray) M. E. Jones
Astragalus lentiginosus Douglas ex Hooker
Lupinus flavoculatus Heller
Lupinus sparsiflorus Benth
Melilotus indica (L.) Allioni**
Pediomelum retrorsum Rydberg
Prosopis glandulosa Torrey
Prosopis odorata (Torrey & Fremont) Torrey & Fremont
Psoralea polydenius (Torrey ex S. Watson) Rydberg
Robinia neomexicana A. Gray
- Loasaceae
- Eucnide urens* (Parry ex A. Gray) Parry
Mentzelia nitens Greene
Mentzelia tricuspis A. Gray
- Malvaceae
- Eremalche rotundifolia* (A. Gray) Greene
- Moraceae
- Ficus carica*
- Nyctaginaceae
- Abronia villosa* S. Watson
Mirabilis bigelovii A. Gray
- Oleaceae
- Menodora spinescens* A. Gray
Fraxinus velutina
- Onagraceae
- Oenothera deltoidea* Torrey & Gray
 var. *decumbens* (Parry) Munz
- Papaveraceae
- Eschscholzia glyptosperma*
Eschscholzia mexicana Greene
Eschscholzia minutiflora
- Pedaliaceae
- Proboscidea parviflora*
- Plantaginaceae
- Plantago insularis* Eastwood
- var. *fremontii* (A. Gray) M. E. Jones
 var. *mokiensis* (A. Gray) M. E. Jones
 var. *stramineus* (Rydberg) M. E. Jones
Caesalpinia giliesii (Hooker) D. Dietrich
Cercis occidentalis Torrey ex A. Gray
Lotus rigidus (Benth) Greene
Lupinus concinnus Agardh
- Polemoniaceae
- Eriastrum eremicum* (Jepson) H. L. Mason
Gilia filiformis Parry ex A. Gray
Gilia scopulorum M. E. Jones
Gilia stellata A. Heller
Langloisia schottii (Torrey) Greene
- Polygonaceae
- Chorizanthe rigida* (Torrey) Torrey & Gray
Eriogonum fasciculatum Benth
Eriogonum heermannii Durand & Hilgard
 var. *subspinosum* Reveal
Eriogonum nidularium Coville
Eriogonum thomasi Torrey
Eriogonum wrightii Torrey ex Benth
Perostegia drymarioides Fischer & Meyer
- Portulacaceae
- Calyptidium monandrum* Nuttall
- Punicaceae
- Punica granatum* L.*
- Rosaceae
- Purshia glandulosa* Curran
- Rubiaceae
- Galium stellatum* Kellogg
- Rutaceae
- Thamnosma montana* Torrey & Fremont
- Scrophulariaceae
- Antirrhinum filipes* A. Gray
Antirrhinum kingii S. Watson
Mimulus bigelovii (A. Gray) A. Gray
Mimulus parryi A. Gray
Mohavea breviflora Coville
Penstemon petiolatus Brandegee
- Solanaceae
- Lycium cooperi* A. Gray
Petunia parvilora Jussieu

Verbenaceae
Aloysia wrightii Heller ex Abrams

Visaceae
Phoradendron californicum Nuttall

Flower Plants:
(Parallel-veined plants)

Agavaceae
Agave utahensis Engelmann
var. *wrightii* (Munro) Gould

Juncaceae
Juncus macrophyllus Coville

Liliaceae
Calochortus flexuosus S. Watson

Total: 174

Riparian plants of Beaver Dam Wash (some repeated from first list).

Anacardiaceae
Rhus aromatica

Boraginaceae
Heliotropium curassavicum

Chenopodiaceae
Chenopodium botrys

Compositae
Gnaphalium luteo-album
Gnaphalium palustre

Cruciferae
Nasturtium officinale

Cyperaceae
Eleocharis acicularis
Eleocharis palustris
Scirpus americanus
Scirpus validus

Elaeagnaceae
*Elaeagnus angustifolia***

Yucca brevifolia Engelmann
Yucca vespertina (McKelvey) S. L. Welsh

Cyperaceae
Carex alma L. H. Bailey
Cyperus strigosus L.

Gramineae
Hilaria rigida (Thurber) Bentham ex Scribner
Muhlenbergia microsperma (DC.) Kunth
Sporopolus airoides (Torrey) Torrey

Equisetaceae
Equisetum arvense
Equisetum laevigatum

Gentianaceae
Centaurium calycosum
Centaurium exaltatum

Gramineae
Muhlenbergia asperifolia
Polypogon monspeliensis

Isoetaceae
Isoetes howellii Engelmann

Juncaceae
Juncus bufonius
Juncus ensifolius
Juncus longistylis
Juncus nevadensis
Juncus nodosus
Juncus torreyi

Labiatae
Mentha arvensis
Mentha spicata

Marsileaceae
Marsilea oligospora Goodding

Onagraceae
Epilobium ciliatum

Polygonaceae
Polygonum lapathifolium

Potamogetonaceae
Potamogeton filiformis
Potamogeton foliosus
Potamogeton pectinatus

Ranunculaceae

Ranunculus cymbalaria

Scrophulariaceae

Castilleja exilis

Mimetanthe pilosa

Mimulus glabratus

Veronica anagallis-aquatica

Typhaceae

Typha domingensis

Umbelliferae

Berula erecta

Zanichelliaceae

Zanichellia palustris

Salicaceae

Populus fremontii S. Watson

Salix exigua

Salix gooddingii

Total: 42

References:

Baird, G. I. 1990. A floristic survey of the Beaver Dam Wash, Utah. Unpublished M.S. Thesis, Brigham Young University, 144 p.

Higgins, L. C. A flora of the Beaver Dam Mountains. Unpublished M.S. Thesis, Brigham Young University. 304 p.

Welsh, S. L., N. D. Atwood, S. Goodrich, and L. C. Higgins. 2003. A Utah Flora. ed. 3. Monte L. Bean Life Science Museum. 912 p.

_____, _____, _____, and _____, 2007. A Utah Flora. ed 4. Electronic version. Ineditus.