

Horse Springs Ranch Botanical Survey

Base Camp Botany #5
26-28 August 2005

Location: Private lands in North fork of Alamacito Canyon, White Rock Canyon and Wagontongue Peak about 5 miles north of New Horse Springs, Catron County, NM. T4S R14W Sections 4 and 5. Rhyolitic soils in piñon-juniper woodland and riparian woodland. Participating botanists include Robert Sivinski, George Cox, Kelly Allred, Rich Spellenberg, Gene Jercinovic, Robert Dewitt Ivey, Patrick Alexander, and Jon Stewart.

The list is essentially un-vouchered, though some of those present made some collections.

* indicates non-native species

FILICALES

Dryopteridaceae

Woodsia plummerae Lommon, Plummer's cliff-fern

EQUISETALES

Equisetaceae

Equisetum arvense Linnaeus, field horsetail.

Equisetum laevigatum A. Brown, smooth horsetail, scouring rush

CONIFERALES

Cupressaceae

Juniperus deppeana Steudel, alligator juniper

Juniperus monosperma (Engelmann) Sargent, one-seed juniper

Pinaceae

Pinus edulis Engelmann, piñon pine

Pinus ponderosa Lawson var. *scopulorum* Engelmann, ponderosa pine

FLOWERING PLANTS: DICOTYLEDONAE

Amaranthaceae

**Amaranthus albus* Linnaeus var. *albus*, tumbleweed pigweed

Apiaceae

Berula erecta (Hudson) Coville, water-parsnip

Pseudocymopterus montanus (Gray) Coulter & Rose, alpine mountain-parsley

Asclepiadaceae

Asclepias asperula (Decaisne) Woodson, spider milkweed, antelope horns milkweed

Asteraceae

Achillea millefolium Linnaeus, western yarrow

Ageratina herbacea (Gray) R. M. King & H. E. Robinson, fragrant snakeroot

Almutaster pauciflorus (Nuttall) A. & D. Love, marsh aster

Ambrosia acanthicarpa Hooker, bur ragweed

Ambrosia psilostachya A. P. de Candolle, western ragweed

Artemisia campestris Linnaeus, field wormwood

Artemisia dracunculus Linnaeus, false tarragon

Bahia dissecta (Gray) Britton, ragged-leaf bahia

Bidens cernua Linnaeus, nodding beggarticks
Bidens tenuisecta Gray, slim-lobe beggarticks
Brickellia californica (Torrey & Gray) Gray, California brickellbush
Brickellia grandiflora (Hooker) Nuttall, tassel-flower brickellbush
Chaetopappa ericoides (Torrey) Nesom, sand aster
Cirsium neomexicanum Gray, New Mexico thistle
Cirsium ochrocentrum Gray, yellow-spine thistle
Cirsium undulatum (Nuttall) Sprengel, wavy-leaf thistle
Conyza canadensis (Linnaeus) Cronquist, horseweed
Cosmos parviflorus (Jacquin) Humboldt, Bonpland, & Kunth, southwestern cosmos
Dietaria asteroides Torrey, starry spine-aster
Dieteria bigelovii (Gray) Morgan & Hartman, Bigelow's spine-aster
Dyssodia papposa (Ventenat) Hitchcock, fetid-marigold
Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. *bigelovii* (Torrey) Nesom & Baird, chamisa, rubber rabbitbrush
Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird ssp. *consimilis* (Greene) Nesom & Baird, chamisa, rubber rabbitbrush
Erigeron divergens Torrey & Gray, spreading fleabane
Erigeron flagillaris Gray, whiplash fleabane
Erigeron formosissimus Greene, beautiful fleabane
Gaillardia pinnatifida Torrey, red-dome blanket-flower
Gnaphalium palustre Nuttall, western marsh cudweed
Gutierrezia microcephala (A. P. de Candolle) Gray, thread-leaf snakeweed
Helianthus petiolaris Nuttall, plains sunflower
Hymenoxys richardsonii (Hooker) Cockerell, pingue, Colorado rubberweed
 **Lactuca serriola* Linnaeus, prickly lettuce
Lygodesmia sp.
Machaeranthera tanacetifolia (Humboldt, Bonpland, & Kunth) Nees. Tahoka-daisy
Pectis angustifolia Torrey, lemonweed, limoncillo
Pericome caudata Gray, mountain trail-leaf
Sanvitalia abertii Gray, Abert's dome
Senecio flaccidus Lessing, thread-leaf groundsel
Senecio spartioides Torrey & Gray, broom groundsel
Solidago missouriensis Nuttall, Missouri goldenrod
 **Sonchus asper* (Linnaeus) Hill, spiny-leaf sow-thistle
Stephanomeria pauciflora (Torrey) A. Nelson, few-flowered wire-lettuce
Symphotrichum ericoides (Linnaeus) Nesom, white heath aster
 **Taraxacum officinale* G.H. Weber ex F. H. Wigg, dandelion
Thelesperma megopotamicum (Sprengel) Kuntze, Navajo-tea, Hopi-tea
 **Tragopogon pratensis* Linnaeus, meadow salsify
Verbesina encelioides (Cavanilles) Bentham & Hooker, cowpen daisy
Viguiera dentata (Cavanilles) Sprengel, toothed goldeneye
Xanthisma gracile (Nuttall) Morgan & Hartman, slender sleep-daisy
Zinnia grandiflora Nuttall, plains zinnia

Boraginaceae

Cryptantha fendleri (Gray) Greene, Fendler's cat's-eye
Cryptantha cinerea (Greene) Cronquist James's cat's-eye
Lappula occidentalis (S. Watson) Greene, spiny sheepbur

Brassicaceae

Boechera perennans (S. Watson) W. A. Weber, perennial rockcress
Descurainia incisa (Engelmann ex A. Gray) Britton, tansy-mustard
 **Nasturtium officinale* R. Br., water-cress
Lepidium densiflorum Schrader var. *ramosum* (A. Nelson) Thellung, miner's pepperweed
Lepidium montanum Nuttall, mountain pepperweed

Pennellia longifolia (Bentham) Rollins, long-leaf thelypody
Pennellia micrantha (Gray) Nieuwland, mountain thelypody
Physaria rectipes (Wooton & Standley) O'Kane & Al-Shehbaz, straight bladderpod
Rorippa sinuata (Nuttall) A. S. Hitchcock, spreading yellow-cress
Schoenocrambe linearifolia (Gray) Rollins, slim-leaf plains-mustard

Cactaceae

Coryphantha vivipera (Nuttall) Britton & Rose, spiny star, pincushion ball cactus
Echinocereus coccineus Engelm., scarlet hedgehog-cactus
Echinocereus fendleri (Engelmann) Engelmann ex Rümpler, Fendler's hedgehog-cactus
Mammillaria wrightii Engelmann, Wright's nipple-cactus
Opuntia macrorhiza Engelm., western prickly-pear
Opuntia polyacantha Haworth, plains prickly-pear

Capparaceae

Cleome serrulata Pursh, Rocky Mountain beeplant

Carophyllaceae

Cerastium brachypodum (Engelmann ex Gray) Robinson, short-stalk chickweed
Silene antirrhina Linnaeus, sleepy catchfly
Silene laciniata Cavanilles, cardinal catchfly

Chenopodiaceae

Atriplex canescens (Pursh) Nuttall, four-wing saltbush
Chenopodium fremontii S. Watson, Fremont's goosefoot
Chenopodium incanum (S. Watson) Heller, mealy goosefoot
Chenopodium leptophyllum Nuttall, narrowleaf goosefoot
Chenopodium watsoni A. Nelson, stinking goosefoot
Dysphania graveolens (Willdenow) Mosyakin & Clemants, fetid goosefoot
**Salsola tragus* Linnaeus, Russian-thistle

Cucurbitaceae

Sicyos ampelophyllus Wooton & Standley, streamside bur-cucumber

Euphorbiaceae

Chamaesyce serpyllifolia (Persoon) Small, thyme-leaf spurge
Euphorbia sp.
Tragia ramosa Torrey, branched noseburn

Fabaceae

Astragalus allochrous Gray, halfmoon milkvetch
Astragalus egglestonii (Rydberg) Kearney & Peebles, Eggleston's milkvetch
Astragalus humistratus Gray, ground-cover milkvetch
Calliandra humilis Bentham, dwarf stickpea
Dalea leporina (Aiton) Bullock, foxtail prairie-clover
Lotus wrightii (A. Gray) Greene, Wright's trefoil
Lupinus kingii S. Watson, King's lupine
**Medicago lupulina* Linnaeus, black medic
**Melilotus officinalis* (Linnaeus) Pallas, yellow sweet-clover
Oxytropis lambertii Pursh, Lambert's crazyweed
Oxytropis sericea Nuttall, white crazyweed
**Trifolium repens* Linnaeus, white clover
Trifolium wormskjoldii Lehmann, cusp clover
Vicia americana Muhlenberg ex Willdenow, American vetch

Fagaceae

Quercus gambellii Nuttall, Gambel's oak
Quercus turbinella Greene, desert scrub oak

Geraniaceae

Geranium caespitosum James, tufted geranium, purple geranium
Geranium richardsonii Fischer & Trautvetter, Richardson's geranium

Grossulariaceae

Ribes cereum Douglas, wax currant

Lamiaceae

Agastache pallidiflora (Heller) Rydberg, New Mexico giant-hyssop
Hedeoma oblongifolia (Gray) Heller, thyme-leaf false-pennyroyal
Mentha arvensis Linnaeus, field mint
Prunella vulgaris Linnaeus, selfheal (E)
Salvia reflexa Hornemann, lanceleaf sage
Salvia subincisa Bentham, saw-tooth sage

Linaceae

Linum puberulum (Engelmann) Heller, plains flax

Loasaceae

Mentzelia multiflora (Nuttall) Gray, Adonis blazingstar

Malvaceae

Anoda sp.
Sidalcea neomexicana Gray, New Mexico checker-mallow
Sphaeralcea angustifolia (Cavanilles) G. Don, copper globemallow
Sphaeralcea coccinea (Nuttall) Rydberg, scarlet globemallow
Sphaeralcea digitata (Greene) Rydberg, juniper globemallow

Nyctaginaceae

Mirabilis albida (Walter) Heimerl, white four-o'clock
Mirabilis linearis (Pursh) Heimerl, ribbon four-o'clock
Mirabilis multiflora (Torrey) Gray, Colorado four-o'clock
Mirabilis oxybaphoides (Gray) Gray, spreading four-o'clock

Oleaceae

Menodora scabra Gray, rough menodora

Onagraceae

Epilobium ciliatum Rafinesque, fringed willow-herb
Gaura coccinea Nuttall ex Pursh, scarlet bee-blossom
Gaura hexandra Ortega, harlequin-bush

Oxalidaceae

Oxalis alpina (Rose) Rose ex Kunth, alpine wood sorrel
Oxalis sp.

Plantaginaceae

Plantago argyraea Morris, salt-meadow plantain

Polemoniaceae

Ipomopsis aggregata (Pursh) V. Grant, skyrocket, scarlet gilia
Ipomopsis multiflora (Nuttall) V. Grant, many-flowered skyrocket

Polygonaceae

Eriogonum alatum Torrey in Sitgreaves, winged wild-buckwheat
Eriogonum cernuum Nuttall, nodding wild-buckwheat
Eriogonum jamesii Bentham, James's wild-buckwheat
Eriogonum wrightii Torrey ex Bentham, Wright's wild-buckwheat
**Polygonum aviculare* Linnaeus, yard knotweed
Polygonum douglasii Greene, Douglas's knotweed
**Polygonum persicaria* Linnaeus, Lady's-thumb
**Rumex crispus* Linnaeus, curly dock
Rumex salicifolius Weinman, willow dock

Portulacaceae

Phemeranthus confertiflorus (Greene) Hershkovitz, Rocky Mountain fameflower
**Portulaca oleracea* Linnaeus, garden purslane

Primulaceae

Androsace septentrionalis Linnaeus, pygmy rock-jasmine

Ranunculaceae

Clematis ligusticifolia Nuttall, traveller's-joy, virgin's bower
Delphinium geraniifolium Rydberg, bean-leaf larkspur
Delphinium nuttalianum Pritzell ex Walpers, Nuttall's larkspur
Ranunculus cymbalaria Pursh, alkali buttercup
Thalictrum fendleri Engelmann ex Gray, Fendler's meadowrue

Rosaceae

Cercocarpus montanus Rafinesque, common mountain mahogany
Fallugia paradoxa (D. Don) Endlicher ex Torrey, Apache-plume
Holodiscus dumosus (Nuttall ex Hooker) Heller, inland oceanspray
Potentilla crinita Gray, bearded cinquefoil
Potentilla norvegica Linnaeus, Norwegian cinquefoil
Rosa woodsii Lindley, Wood's rose

Rubiaceae

Houstonia rubra Cavanilles, red bluets

Salicaceae

Populus angustifolia James, narrow-leaf cottonwood
Salix gooddingii Ball, Goodding's willow

Scrophulariaceae

Castilleja integra Gray, southwestern Indian-paintbrush
Mimulus glabratus Humboldt, Bonpland, & Kunth, round-leaf monkey-flower
Mimulus guttatus A.P. de Candolle, seep monkey-flower
Orthocarpus luteus Nuttall, yellow owl-clover
Orthocarpus purpureo-albus Gray ex S. Watson, purple owl-clover
Penstemon barbatus (Cavanilles) Roth, red beardtongue
Penstemon linearoides Gray, toadflax beardtongue
**Verbascum thapsus* Linnaeus, moth mullein

Solanaceae

Chamaesaracha coronopus (Dunal) Gray, green-leaf five-eyes
Lycium pallidum Miers, pale wolfberry
Solanum jamesii Torrey, wild potato
Solanum rostratum Dunal, buffalo-bur

Verbenaceae

Glandularia bipinnatifida (Nuttall) Nuttall var. *ciliata* (Bentham) Turner, Dakota vervain

Violaceae

Viola sororia Willdenow, streambank violet

Viscaceae

Phoradendron juniperum Engelmann, juniper mistletoe

FLOWERING PLANTS: MONOCOTYLEDONAE

Agavaceae

Yucca baccata Torrey, banana yucca

Yucca glauca Nuttall, plains yucca, soapweed yucca

Commelinaceae

Commelina dianthifolia Delile, bird-bill dayflower

Tradescantia pinetorum Greene, pinewoods spiderwort

Cyperaceae

Carex geophylla Mackenzie, White Mountain sedge

Cyperus fendlerianus Boeckeler, Fendler's flat-sedge

Cyperus parishii Britton, Parish's flat-sedge

Cyperus sphaerolepis Boeckeler, Rusby's flat-sedge

Eleocharis palustris (Linnaeus) Roemer & Schultes, marshy spike-rush

Schoenoplectus americanus (Persoon) Volkart ex Schinz & R. Keller, chairmaker's bulrush

Iridaceae

Sisyrinchium demissum Greene, stiff blue-eyed-grass

Juncaceae

Juncus arcticus Willdenow var. *mexicanus* (Willdenow ex J. A. & J. H. Schultes) Kuntze, Mexican rush

Juncus ensifolius Wikström, Rocky Mountain rush

Juncus longistylis Torrey, long-style rush

Juncus tenuis Willdenow, poverty rush

Lemnaceae

Lemna gibba Linnaeus, inflated duckweed

Lemna minuta Kunth, least duckweed

Lemna valdiviana Phillipi, pale duckweed

Liliaceae

Allium rhizomatium Wooton & Standley, New Mexico onion

Poaceae

**Agrostis gigantea* Roth, redtop

**Agrostis stolonifera* Linnaeus, creeping bentgrass

Aristida divaricata Humboldt & Bonpland ex Willdenow, poverty threeawn

Aristida havardii Vasey, Havard's threeawn

Aristida purpurea Nuttall var. *longiseta* (Steudel) Vasey, red threeawn

Bouteloua curtipendula (Michaux) Torrey, sideoats grama

Bouteloua gracilis (Willdenow ex Kunth) Lagasca ex Griffiths, blue grama

Bromus carinatus Hooker & Arnott, California brome

Bromus ciliatus Linnaeus, fringed brome

Bromus frondosus (Shear) Wooton & Standley, weeping brome

**Echinochloa crus-galli* (Linnaeus) Beauvois, large barnyardgrass

Elymus longifolius (Smith) Gould, longleaf squirreltail

Elymus smithii (Rydberg) Gould, western wheatgrass
Elymus trachycaulis (Smith) Gould ex Shinnery, longleaf squirreltail
Eragrostis mexicana (Hornemann) Link, Mexican lovegrass
Glyceria striata (Lamarck) A. S. Hitchcock, fowl mannagrass
Koeleria macrantha (Ledebour) J. A. Schultes, Junegrass
Lycurus setosus (Nuttall) C. Reeder, bristly wolftail
Muhlenbergia minutissima (Steudel) Swallen, least muhly
Muhlenbergia pauciflora Buckley, New Mexico muhly
Muhlenbergia repens (Presl) Hitchcock, creeping muhly
Muhlenbergia rigens (Benth) A. S. Hitchcock, deergrass
Muhlenbergia straminea A. S. Hitchcock, screwleaf muhly
Muhlenbergia torreyi (Kunth) A. S. Hitchcock ex Bush, ring muhly
Muhlenbergia wrightii Vasey ex Coulter, spike muhly
Munroa squarrosa (Nuttall) Torrey, false-buffalograss
Panicum capillare Linnaeus, witchgrass
Poa bigelovii Vasey & Scribner, Bigelow's bluegrass
Poa fendleriana (Steudel) Vasey, muttongrass
**Poa pratensis* Linnaeus, Kentucky bluegrass
Sporobolus airoides (Torrey) Torrey, alkalai sacaton
Sporobolus cryptandrus (Torrey) Gray, sand dropseed