

FLORA OF MANUELITAS CREEK
San Miguel County, New Mexico

by
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Following is a list of species observed or collected September 15-16, 2006 on some privately owned land on Manuelitas Creek in San Miguel County, New Mexico. The site is 16.5 miles northwest of Las Vegas and 6.5 miles northwest of Sapello in San Miguel County, New Mexico. The location marks a transition between the eastern slope of the Southern Rocky Mountains and the Great Plains. The elevation is 7300 feet. Manuelitas Creek is a year round permanent stream. The area inventoried is about 40 acres of land that includes the stream, its old field agricultural floodplain and adjacent forested land. Plants were recorded from the following plant communities:

- 1) permanently flooded emergent wetland
- 2) willow or alder streamside wetlands
- 3) seasonally flooded wetland in small depression
- 4) Gambel oak forest
- 5) ponderosa pine forest
- 6) grass-forb dominated upland slope
- 7) old agricultural field dominated by non-native plant species

A * to the left of a scientific name indicates a non-native species. A ** indicates a species native to the United States, but is non-native in New Mexico. A (?) following a scientific name indicates a species whose identity is not certain. In such cases, not enough of the plant was collected to firmly establish precise identity. A (???) indicates an educated guess as to the identity of a species. Such species need to be re-collected when flowers and/or fruits are available. SY indicates a scientific name by which a species was known prior to a recent name change.

Botanical nomenclature used in this report generally follows Allred (2004). However, nomenclature for species in the aster family (*Asteraceae*), the buckwheat family (*Polygonaceae*) and the pink family (*Caryophyllaceae*) follow the more recently published Flora of North America Volumes 5, 19, 20 and 21 (Flora of North America Editorial Committee, ed. 1993-2006+).

SPECIES	COMMON NAME
TREES	
<i>Alnus incana</i> ssp. <i>tenuifolia</i>	Thinleaf alder

<i>Crataegus macracantha</i> var. <i>occidentalis</i> (SY= <i>Crataegus succulenta</i> var. <i>occidentalis</i>)	Fleshy hawthorn
<i>Juniperus scopulorum</i>	Rocky Mountain juniper
<i>Pinus ponderosa</i> var. <i>scopulorum</i>	Ponderosa pine
<i>Quercus gambelii</i>	Gambel oak
SHRUBS	
** <i>Malus ioensis</i> (?)	Prairie crabapple (?)
<i>Prunus americana</i>	American plum
<i>Prunus virginiana</i> var. <i>melanocarpa</i>	Black chokecherry
<i>Quercus undulata</i>	Wavyleaf oak
<i>Ribes lacustre</i> (?) or <i>R. inerme</i> (?)	Prickly currant (?) or white-stem gooseberry (?)
<i>Rhus trilobata</i> var. <i>trilobata</i>	Three-lobed sumac
<i>Rosa woodsii</i> var. <i>woodsii</i>	Wood's rose
<i>Salix eriocephala</i> var. <i>ligulifolia</i> (???)	Missouri willow
<i>Salix exigua</i>	Coyote willow
<i>Salix lucida</i> ssp. <i>lasiandra</i>	Shining willow
SUBSHRUBS AND CACTI	
<i>Amorpha canescens</i>	Leadplant
<i>Gutierrezia sarothrae</i>	Broom snakeweed
<i>Opuntia phaeacantha</i>	Brown-spine prickly pear
VINES	
<i>Humulus lupulus</i> var. <i>neomexicanus</i>	New Mexico hops
<i>Parthenocissus vitacea</i> (?)	Thicket creeper
GRAMINOIDS	
<i>Achnatherum robustum</i>	Sleepygrass
* <i>Agrostis gigantea</i>	Redtop
<i>Alopecurus aequalis</i>	Short-awn foxtail
<i>Andropogon gerardii</i> ssp. <i>gerardii</i>	Big bluestem
<i>Bothriochloa laguroides</i> ssp. <i>torreyana</i>	Silver bluestem
<i>Bouteloua curtipendula</i>	Side-oats grama
<i>Bouteloua gracilis</i>	Blue grama
<i>Bromus ciliatus</i>	Fringed brome
* <i>Bromus catharticus</i>	Rescue grass
* <i>Bromus inermis</i>	Smooth brome
<i>Carex occidentalis</i>	New Mexico sedge
<i>Carex pellita</i> (SY= <i>Carex lanuginosa</i>)	Woolly sedge
<i>Carex praegracilis</i>	Black creeper
<i>Carex stipata</i> var. <i>stipata</i>	Prickly sedge
<i>Carex utriculata</i>	Beaked sedge

<i>Cyperus fendlerianus</i>	Fendler flatsedge
<i>Elymus canadensis</i>	Canada wild rye
<i>Elymus smithii</i>	Western wheatgrass
<i>Elymus</i> sp. (tufted)	Wheatgrass
<i>Equisetum arvense</i>	Field horsetail
<i>Glyceria grandis</i>	American mannagrass
<i>Hordeum jubatum</i>	Foxtail barley
<i>Juncus arcticus</i> var. <i>balticus</i>	Baltic rush
<i>Juncus articulatus</i>	Jointed rush
<i>Juncus dudleyi</i>	Dudley's rush
<i>Juncus ensifolius</i> var. <i>montanus</i>	Rocky Mountain rush
<i>Juncus nodosus</i>	Knotted rush
<i>Lycurus setosus</i>	Bristly wolftail
<i>Muhlenbergia</i> sp. (<i>M. montana</i> ?)	Muhly (Mountain muhly?)
<i>Muhlenbergia pauciflora</i>	New Mexico muhly
<i>Muhlenbergia rigens</i>	Deergrass
<i>Muhlenbergia wrightii</i>	Spike muhly
<i>Panicum bulbosum</i>	Bulb panicgrass
* <i>Phleum pratense</i>	Timothy
<i>Piptochaetium fimbriatum</i>	Pinon ricegrass
<i>Schizachyrium scoparium</i>	Little bluestem
<i>Schoenoplectus tabernaemontani</i>	Softstem bulrush
<i>Scirpus microcarpus</i>	Red-sheath bulrush
<i>Typha latifolia</i>	Broadleaf cattail
FORBS	
<i>Achillea millefolium</i>	Common yarrow
<i>Ageratina herbacea</i>	Fragrant snakeroot
<i>Agrimonia striata</i>	Woodland burhead
<i>Allium cernuum</i>	Nodding wild onion
<i>Amaranthus palmeri</i>	Palmer amaranth
<i>Amauriopsis dissecta</i> (SY= <i>Bahia dissecta</i>)	Ragged-leaf bahia
<i>Ambrosia psilostachya</i>	Western ragweed
<i>Ambrosia tomentosa</i>	Skeleton-leaf bursage
* <i>Arctium minus</i>	Burdock
<i>Artemisia carruthii</i>	Carruth's sagewort
<i>Artemisia dracunculus</i>	Tarragon
<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	Silver wormwood
<i>Asclepias subverticillata</i>	Poison Milkweed
* <i>Asparagus officinalis</i>	Asparagus
<i>Bidens cernua</i>	Bur marigold
<i>Bidens tenuisecta</i>	Slimlobe beggarticks
<i>Brickellia brachyphylla</i>	Plume-pappus brickellbush
<i>Brickellia eupatorioides</i> var. <i>chlorolepis</i>	False boneset
<i>Brickellia grandiflora</i>	Tassel-flower brickellbush

<i>Brickellia rusbyi</i>	Rusby's brickellbush
* <i>Carduus nutans</i>	Musk thistle
<i>Chaetopappa ericoides</i>	Baby aster
<i>Chamaesyce serpyllifolia</i>	Thymeleaf sandmat
<i>Chenopodium berlandieri</i> var. <i>zschackei</i>	Pitseed goosefoot
* <i>Cichorium intybus</i>	Chicory
* <i>Cirsium arvense</i>	Canada thistle
* <i>Cirsium vulgare</i>	Bull thistle
* <i>Convolvulus arvensis</i>	Field bindweed
<i>Conyza canadensis</i> var. <i>glabrata</i>	Western horseweed
<i>Cyclachaena xanthifolia</i> (SY= <i>Iva xanthifolia</i>)	Marsh elder (careless weed)
<i>Dyssodia papposa</i>	Fetid marigold
<i>Epilobium ciliatum</i>	Fringed willow-herb
<i>Epilobium hornemannii</i>	Hornemann's willow-herb
<i>Euphorbia davidii</i>	David's spurge
<i>Gaura mollis</i>	Velvet-weed
<i>Geranium caespitosum</i>	Purple geranium
<i>Geum macrophyllum</i>	Bigleaf avens
<i>Glycyrrhiza lepidota</i>	Wild licorice
<i>Grindelia squarrosa</i>	Curlycup gumweed
<i>Helenium autumnale</i>	Fall sneezeweed
<i>Helianthus annuus</i>	Common sunflower
<i>Heliomeris multiflora</i> var. <i>nevadensis</i>	Showy goldeneye
<i>Heliopsis helianthoides</i> var. <i>scabra</i>	Rough-leaf false sunflower
<i>Heterotheca villosa</i>	Hairy golden aster
<i>Ipomopsis aggregata</i>	Skyrocket
<i>Iris missouriensis</i>	Rocky Mountain Iris
* <i>Lactuca serriola</i>	Prickly lettuce
<i>Liatris punctata</i> var. <i>punctata</i>	Dotted gayfeather
<i>Linum lewisii</i>	Wild blue flax
<i>Lysimachia ciliata</i>	Fringed yellow loosestrife
* <i>Malva neglecta</i>	Common mallow
* <i>Marrubium vulgare</i>	Horehound
* <i>Melilotus officinalis</i>	Yellow sweet clover
<i>Mentha arvensis</i>	Field mint
<i>Mirabilis linearis</i> var. <i>linearis</i>	Narrowleaf four o'clock
<i>Mirabilis melanotricha</i>	Standley's four o'clock
<i>Monarda fistulosa</i> var. <i>menthifolia</i>	Wild bergamot
* <i>Nasturtium officinale</i>	Water cress
<i>Oenothera villosa</i> ssp. <i>strigosa</i>	Hairy evening primrose
<i>Penstemon barbatus</i> ssp. <i>torreyi</i>	Scarlet penstemon
<i>Persicaria amphibia</i> (SY= <i>Polygonum amphibium</i>)	Water smartweed
* <i>Persicaria lapathifolia</i> (SY= <i>Polygonum lapathifolium</i>)	Willow weed

<i>Phlox nana</i>	Santa Fe phlox
<i>Physalis subulata</i> var. <i>neomexicana</i>	New Mexico ground cherry
* <i>Plantago lanceolata</i>	English plantain
* <i>Plantago major</i>	Broadleaf plantain
<i>Potentilla anserina</i>	Silverweed
* <i>Potentilla recta</i>	Sulphur cinquefoil
<i>Prunella vulgaris</i>	Common selfheal
<i>Pseudognaphalium jaliscense</i>	Jalisco rabbit tobacco
<i>Ranunculus gmelinii</i>	Yellow water buttercup
<i>Ranunculus uncinatus</i>	Hooked-fruit buttercup
<i>Ratibida columnifera</i>	Mexican hat
<i>Rorippa curvipes</i> var. <i>truncata</i>	Bluntleaf yellowcress
<i>Rorippa palustris</i>	Bog yellowcress
<i>Rudbeckia laciniata</i>	Cutleaf coneflower
* <i>Rumex crispus</i>	Curly dock
<i>Salvia reflexa</i>	Rocky Mountain sage
<i>Solidago lepida</i> var. <i>salebrosa</i> (SY= <i>Solidago canadensis</i> var. <i>salebrosa</i>)	Rocky Mountain goldenrod
<i>Solidago mollis</i>	Velvet goldenrod
<i>Solidago rigida</i> ssp. <i>rigida</i>	Stiff-leaf goldenrod
<i>Solidago velutina</i> ssp. <i>sparsiflora</i>	Three-nerve goldenrod
<i>Solidago wrightii</i>	Wright's goldenrod
<i>Symphotrichum ascendens</i>	Western aster
<i>Symphotrichum eatonii</i> (?)	Eaton's aster
<i>Symphotrichum falcatum</i> var. <i>commutatum</i>	White prairie aster
<i>Symphotrichum lanceolatum</i> var. <i>hesperium</i>	Wootton's marsh aster
* <i>Taraxacum officinale</i>	Common dandelion
<i>Thalictrum revolutum</i>	Glandular meadow rue
<i>Thelesperma megapotamicum</i>	Indian tea
<i>Townsendia eximia</i>	Rocky Mountain Townsend Daisy
* <i>Tragopogon dubius</i>	Yellow salsify
* <i>Trifolium pratense</i>	Red clover
* <i>Urtica dioica</i>	Stinging nettle
<i>Valeriana edulis</i>	Tobacco root
* <i>Verbascum thapsus</i>	Common mullein
<i>Verbena stricta</i>	Hoary vervain
<i>Verbesina encelioides</i> var. <i>encelioides</i>	Golden crownbeard
<i>Veronica catenata</i>	Pennell's speedwell

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