

PROVISIONAL FLORA OF GARDEN CANYON

Compiled by Nancy Stallcup**

Garden Canyon is on the military reservation of Ft. Huachuca, in the Huachuca Mountain Range of Cochise County, near Sierra Vista, Arizona. To visit Garden Canyon one must first check with Ft. Huachuca Range Control (Phone 602-538-8740) to be sure the canyon is open, as it borders the Post Firing Range and is sometimes closed for military exercises. Three miles of dirt road and 1 1/2 miles of paved road run through Garden Canyon.

*Assistance with this list was given by Meg Quinn, Horace Miller, Rebecca Van Devender, Dr. Steven McLaughlin, Janice Bowers, Dr. George Yatskievych, Dr. Don Pinkava and Dr. Corinna Gries.

HERBACEOUS PLANTS

AMARANTHACEAE

Froelichia arizonica

Gomphrena nitida

Iresine heterophylla

ASCLEPIADACEAE

Asclepias angustifolia

Asclepias elata

Asclepias lemmoni

Asclepias nummularia

Asclepias quinqueidentata

Asclepias subverticillata

Asclepias tuberosa

BORAGINACEAE

Lithospermum cobrense (?)

Lithospermum multiflorum

CAMPANULACEAE

Lobelia anatina

Lobelia cardinalis

CAPRIFOLIACEAE

Lonicera arizonica

CARYOPHYLLACEAE

Arenaria

Silene laciniata ssp. *greggii*

CHENOPODIACEAE

Chenopodium graveolens

COMMELINACEAE

Commelina erecta & *dianthifolia*

Tradescantia pinetorum

COMPOSITAE

Artemisia dracuncululus

Artemisia ludoviciana

Aster (lemmoni) potosinus

Baccharis neglecta

Baccharis thesioides

Bahia dissecta

Berlandiera lyrata

Bidens aurea

Bidens bipinnata

Bidens heterosperma

Bidens lemmoni (*leptocephala*?)

Bidens pilosa

Brickellia betonicaefolia

Brickellia californica

Brickellia chlorolepis (*Kuhnia rosmarinifolia*)

Brickellia floribunda

Brickellia grandiflora

Carminatia tenuiflora

Carphochaete bigelovii

Centaurea rothrockii

Chrysothamnus nauseosus

var. *latisquameus*

Cirsium arizonicum

Cirsium neomexicanum

Cirsium wheeleri

Conyza sophiaefolia

AMARANTH FAMILY

Snake Cotton

MILKWEED FAMILY

Western Whorled milkweed

Butterfly weed

BORAGE FAMILY

Gromwell/Puccoon

Many flowered Gromwell

BELLFLOWER FAMILY

Mt. Lobelia

Cardinal flower

CAPER FAMILY

Arizona Honeysuckle

PINK FAMILY

Sandwort

Mexican Campion

GOOSEFOOT FAMILY

Goosefoot/Pigweed

SPIDERWORT FAMILY

Dayflower

Spiderwort

SUNFLOWER FAMILY

Sage

White Sage

Lemmon Aster

Yellow ragweed

Greeneyes/Chocolate F.

Cosmos parviflorus

Dyssodia papposa

Erigeron divergens

Erigeron flagellaris

Erigeron neomexicanus

Erigeron rothrockii

Eupatorium herbaceum

Gaillardia pinnatifida

Galinsoga parviflora

Gnaphalium chilense

Gnaphalium leucocephalum

Gnaphalium pringlei

Gnaphalium wrightii

Gutierrezia sarothrace

Gutierrezia wrightii

Gymnosperma glutinosum (*Selloa glutinosa*)

Helianthus annuus

Heliopsis parvifolia

Heterosperma pinnatum

Heterotheca psammophila

Hieracium lemmoni

Hieracium pringlei

Lactuca graminifolia

Machaeranthera pinnatifida ssp. *pinnatifida*

Melampodium hispidum/strigosum

Melampodium longicorne

Pectis filipes

Perityle coronopifolia

Sanvitalia abertii

Schkuhria wislizenii

Senecio douglasii, var. *logilobus*

Senecio neomexicanus

Solidago missouriensis

Solidago sparsiflora & *wrightii*

Sonchus sp

Stephanomeria sp

Stevia micrantha

Stevia serrata

Tagetes lemmoni

Tagetes micrantha

Taraxacum officinale

Trixis californica

Verbesinia longifolia

Viguiera annua, *dentata*

Xanthium strumarium

Xanthocephalum gymnospermoides

Xanthocephalum wrightii

Zexmenia podocephala

Zinnia grandiflora

Zinnia (multiflora) peruviana

CONVOLVULACEAE

Convolvulus equitans

Evolvulus arizonicus

Ipomoea barbatisepala

Ipomoea coccinea

Ipomoea costellata

Cosmos

False Dog Fennel

Fleabane

Gaillardia

Quick weed

Cud weed

Cud weed

Sunflower

Oxeye

Camphor weed

Hawkweed

Lettuce

Spiny Haplopappus

Rock daisy

Threadleaf

Threadleaf groundsel

Goldenrod

Goldenrod

Sow Thistle

Wire Lettuce

Lemmon Marigold

Common dandelion

Crown Beard

Golden eye

Common cokerbur

Broomweed

Prairie zinnia

MORNING GLORY FAMILY

Bindweed

Arizona Blue eyes

Scarlet creeper

Morning glory

<i>Ipomoea hederacea</i>	Morning glory	<i>Phaseolus heterophyllus/Macroptilium gibbosifolium</i>	
<i>Ipomoea leptotoma</i>	Hairy Bird's Foot	<i>Phaseolus ritensis</i>	
<i>Ipomoea plummerae</i>		<i>Psoralea tenuiflora</i>	Scurf pea
<i>Ipomoea tenuiloba</i> var. <i>lemmoni</i>		<i>Rhynchosia texana</i>	Rosary bean
CUCURBITACEAE	GOURD FAMILY	<i>Senna hirsuta</i> var. <i>glaberrima</i> (previously <i>cassia leptocarpa</i>)	Slim Pod Senna
<i>Cucurbita foetidissima</i>	Buffalo gourd	<i>Tephrosia thurberi</i>	
CRASSULACEAE	ORPINE FAMILY	<i>Trifolium amabile</i>	Clover
<i>Sedum cockerellii</i>	Stonecrop	<i>Vicia exigua, leucophaea, pulchella</i>	Vetch
CRUCIFERAE	MUSTARD FAMILY	LILIACEAE	LILY FAMILY
<i>Descurainia pinnata</i>	Tansy mustard	<i>Allium cernuum</i>	Nodding onion
<i>Erysimum asperum</i>	Wallflower	<i>Allium glandulosum</i> (?) (<i>plummarae</i> ?)	Wild onion
<i>Lepidium</i> sp	Peppergrass	<i>Anthericum torreyi</i> ¹	Crag/amber lily
<i>Pennellia micrantha</i>		<i>Milla biflora</i>	Mexican star
<i>Sisymbrium/Thelypodopsis linearifolium</i>	Pink Windmills	LINACEAE	FLAX FAMILY
EUPHORBIACEAE	SPURGE FAMILY	<i>Linum lewisii</i> Lewis	Blue flax
<i>Acalypha lindheimeri</i>	Three Seeded Mercury	<i>Linum neomexicanum</i>	NM flax
<i>Euphorbia alta, bilobata, chamaesula, dentata, exstipulata</i>		LYTHRACEAE	LOOSESTRIFE FAMILY
<i>Euphorbia heterophylla, hysopifolia, lurida, plummerae</i>		<i>Cuphea wrightii</i>	Purple Loosestrife
<i>Euphorbia revoluta, serpyllifolia, vermiculata</i>		<i>Lythrum californicum</i>	STICKLEAFF FAMILY
<i>Jatropha macrorhiza</i>		LOASACEAE	Blazing star
<i>Tragia nepetaefolia</i>	Stinging Nettle	<i>Mentzelia texana/asperula</i>	MALLOW FAMILY
GENTIANACEAE	GENTIAN FAMILY	MALVACEAE	
<i>Gentianella detonsa, ssp. superba</i> (<i>gentiana grandis</i>)		<i>Anoda cristata</i>	
<i>Gentianella microcalyx</i>		<i>Sida abutilifolia/procumbens, neomexicana</i>	Fendler Globe mallow
GERANIACEAE	GERANIUM FAMILY	<i>Sphaeralcea fendleri</i>	FOUR O'CLOCK FAMILY
<i>Geranium caespitosum</i>		NYCTAGINACEAE	Red Spiderling
<i>Geranium wislizeni</i>		<i>Boerhaavia coccinea, purpurascens</i>	Sweet Four O'clock
HYPOXIDACEAE	Wild geranium	<i>Mirabilis longiflora</i>	
<i>Hypoxis mexicana</i>	HYPOXIS FAMILY	<i>Oxybaphus comatus</i> (?)	EVENING PRIMROSE FAMILY
IRIDACEAE	Gold Eye Grass	ONAGRACEAE	Sundrops
<i>Nemastylis tenuis</i>	IRIS FAMILY	<i>Calylophus toumeyii</i>	
<i>Sisyrinchium demissum</i> v. <i>amelhystinum</i>	Cienega Ghost Iris	<i>Epilobium ciliatum</i>	
LABIATAE	Blue-eyed Grass	<i>Gaura gracilis</i>	Gaura
<i>Agastache barberi</i>	MINT FAMILY	<i>Oenothera hookeri</i>	Hooker's Eve. Primrose
<i>Hedeoma dentatum</i>	Giant Hyssop	<i>Oenothera primiveris</i>	
<i>Hedeoma drummondii</i>		<i>Oenothera rosea</i>	Rose sundrop
<i>Hedeoma hysopifolium</i>		ORCHIDACEAE	ORCHID FAMILY
<i>Monarda austromontana</i>		<i>Malaxis corymbosa</i>	
<i>Monarda menthaefolia</i>	Mock-pennyroyal	<i>Malaxis soulei</i>	Mt. Malaxis
<i>Salvia arizonica</i>		OROBANCHACEAE	BROOM RAPE FAMILY
<i>Salvia lemmoni</i>	Beebalm	<i>Orobanche multiflora</i>	Broom Rape
<i>Slavia subincisa</i>		OXALIDACEAE	WOOD SORREL FAMILY
<i>Scutellaria drummondii</i> (?)*		<i>Oxalis albicans</i>	Yellow Wood Sorrel
<i>Scutellaria tessellata</i>		<i>Oxalis decaphylla/grayii</i>	Gray's Sorrel (pink)
<i>Stachys coccinea</i>	Drummonds skullcap	PAPAVERACEAE	POPPY FAMILY
<i>Trichostema arizonicum</i>		<i>Argemone</i> sp	Prickle poppy
LEGUMINOSAE		PLANTAGINACEAE	PLAINTAIN FAMILY
<i>Astragalus bigelovii, nothoxys</i>		<i>Plantago hirtella, major</i>	
<i>Calliandra humilis</i> var. <i>reticulata</i>		POLEMONIACEAE	
<i>Cologania angustifolia, lemmoni</i>		<i>Ipomopsis macombii</i> (?)	
<i>Cracca edwardsii</i>		<i>Ipomopsis thurberi</i>	
<i>Crotalaria pumila, sagittalis</i>	Rattlebox	POLYGALACEAE	
<i>Dalea albiflora</i>		<i>Monnina wrightii</i>	
<i>Dalea filiformis, grayi, leporina</i>		<i>Polygala alba</i>	Milkwort
<i>Desmodium arizonicum</i>	Pea bush	<i>Polygala obscura</i>	
<i>Desmodium batocaulon, cinerascens, grahamii, rosei</i>	Tick clover	POLYGONACEAE	BUCKWHEAT FAMILY
<i>Galactia wrightii</i>		<i>Erigonum polycladon</i>	Sorrel buckwheat
<i>Lotus greenii</i>	Lotus/Deer vetch	<i>Eriogonum wrightii</i>	Buckwheat
<i>Medicago lupulina</i>	Black medick	<i>Polygonum lapathifolium</i>	Willow smartweed
<i>Melilotus</i> sp (?)	Yellow Sweet clover	PORTULACACEAE	PORTULACA FAMILY
<i>Mimosa grahamii</i>		<i>Talinum paniculatum</i>	Pink baby breath
<i>Petalostemum exile</i>		PRIMULACEAE	PRIMROSE FAMILY
<i>Phaseolus acutifolius</i>	Prairie clover	<i>Samolus vagans</i>	
		RANUNCULACEAE	CROWFOOT FAMILY
		<i>Aquilegia chrysantha</i>	Yellow Columbine

GRASSES

Following is primarily Horace Miller's list from 1986 and 1987, with recent additions from others.

GRAMINEAE

Aegopogon tenellus
Agropyron/Elymus arizonicum
Agropyron spicatum
Agrostis alba
Agrostis exarata
Agrostis semiverticillata
Agrostis stolonifera
Andropogon gerardi
Aristida adscensionis
Aristida arizonica
Aristida orcuttiana
Bothriochloa barbinodis
Bouteloua curtipendula
Bouteloua gracilis
Bouteloua hirsuta
Bouteloua radicata
Bromus carinatus
Bromus ciliatus
Bromus frondosus
Bromus inermis
Bromus marginatus
Bromus richardsonii
Cenchrus insertus
Chloris virgata
Dactylis glomerata
Digitaria sanguinalis
Echinochloa crusgalli
Elymus canadensis
Eragrostis chloromelas
Eragrostis var. conferta
Eragrostis cilianensis
Eragrostis curvula
Eragrostis intermedia
Eragrostis lehmanniana
Eragrostis mexicana
Eriochloa acuminata
Hackelochloa granularis
Heteropogon melanocarpus
Koeleria pyramidata
Leptochloa dubia
Lolium multiflorum
Lolium perenne
Lycurus setosus
Muhlenbergia emersleyi
Muhlenbergia glauca
Muhlenbergia goodingii
Muhlenbergia longiligula
Muhlenbergia minutissima
Muhlenbergia montana
Muhlenbergia monticola
Muhlenbergia pauciflora
Muhlenbergia polycaulis
Muhlenbergia rigens
Muhlenbergia rigida
Panicum bulbosum
Panicum capillare
Panicum hirticaule
Panicum obtusum
Piptochaetium fimbriatum

GRASS FAMILY

Arizona Wheat grass
 Bluebench Wheat grass
 Spike Bent grass
 Water Bent
 Red Top
 Big Bluestem
 Six weeks Three-Awn
 Arizona Three-Awn
 Beggar-Tick Three-Awn
 Cane Beardgrass
 Side-Oats Grama
 Blue Grama
 Hairy Grama
 Purple Grama
 California Brome

Smooth Brome
 Mountain Brome

Field Sandbur
 Feather Fingergrass
 Orchard grass
 Common Crabgrass
 Barnyard grass
 Canada Wildrye

Boer Lovegrass
 Stink grass
 Weeping Lovegrass
 Plains Lovegrass
 Lehman Lovegrass
 Mexican Lovegrass
 Cup grass

Sweet Tanglehead
 June grass
 Green Spangletop
 Italian Ryegrass
 Perennial Ryegrass
 Wolf tail grass
 Bullgrass

Long-tongue Muhly

Mountain Muhly
 Mesa Muhly
 New Mexican Muhly
 Cliff Muhly
 Deer grass
 Purple Muhly
 Bulb Panicum
 Witch grass

Pinyon Ricegrass

Poa fendleriana
Polypogon interruptus
Schizachyrium hirtiflorum
Setaria grisebachii
Setaria viridis
Sorgham halepense
Sphenopholis obtusata
Sporobolus wrightii
Stipa pringlei
CYPERACEAE
Carex alma
Carex leucodonta
Carex ultra
Cyperus fendlerianus
Cyperus havus
Cyperus manimae
Cyperus wrightii
Eleocharis parishii

FERNS AND FERN ALLIES

Copied from the computerized list at the U of A herbarium, most located and verified by George Yatskievych.

EQUISETACEAE

Equisetum hiemale
E. ferrissii

POLYPODIACEAE

Asplenium exiguum
A. monanthes
A. resiliens
Bommeria hispida
Cheilanthes eatoni
C. fendleri
C. lendigera
C. lindheimeri
C. villosa
C. wootoni
C. wrightii
Cystopteris fragilis
Dryopteris patula
Notholaena aschenborniana
N. aurea
N. cochisensis
N. grayi
N. integerrima
N. limitanea
N. sinuata
Pellaea atropurpurea
P. intermedia
P. ternifolia
P. wrightiana
Phanerophlebia auriculata
Pityrogramma triangularis
Polypodium thyssanolepsis
Woodsia mexicana
W. plummerae
SELAGINELLACEAE
Selaginella underwoodii
var. dolichotricha

Mutton grass
 Ditch polypogon
 Grisebach Bristlegrass
 Green Bristlegrass
 Johnson grass
 Wedge grass
 Sacaton
 Pringle Needle grass
SEDGE FAMILY

Flat sedge

Flat sedge
 Spike rush

HORSTAIL FAMILY

FERN FAMILY

SELAGINELLA FAMILY

*If verified, would be new record for state or region (per Dr. D. Pinkava)

¹Echeandia flavescens

²Glandularia bipinnatifida

³Purshia stansburiana

Delphinium andesicola, scopulorum

Thalictrum fendleri

ROSACEAE

Potentilla thurberi

RUBIACEAE

Crusea subulata

Diodia teres

Galium aparine

Galium wrightii var. *rothrockii*

Houstonia wrightii

Mitracarpus breviflorus

SAXIFRAGACEAE

Heuchera sanguinea

SCROPHULARIACEAE

Brachystigma wrightii

Castilleja integra, laxa, tenuiflora

Linaria texana

Maurandya antirrhiniflora

Mimulus cardinalis

Mimulus floribundus

Mimulus guttatus

Mimulus rubellus

Penstemon barbatus

Penstemon stenophyllus

Verbascum virgatum

Verbascum thapsus

Veronica americana

SOLANACEAE

Datura wrightii

Nicotiana trigonophylla

Physalis Hederaefolia

Solanum douglasii

Solanum elaeagnifolium

Solanum jamesii

Solanum rostratum

UMBELLIFERAE

Eryngium heterophyllum

Eryngium lemmoni

Lilaeopsis schaffneriana, ssp. recurva

Pseudocymopterus montanus

VALERIANACEAE

Valeriana sorbifolia

VERBENACEAE

*Verbena bipinnatifida*²

Verbena carolina

Verbena neomexicana

VIOLACEAE

Hybanthus attenuatus

Viola nephrophylla

VITACEAE

Parthenocissus vitacea

Vitis arizonica

ZYGOPHYLLACEAE

Kallstroemia parviflora

SUCCULENTS

AGAVACEAE

Agave palmeri

Agave parryi, var. huachucensis

Dasyllirion wheeleri

Nolina microcarpa

Yucca schottii

CACTACEAE

Echinocereus rigidissimus

Echinocereus triglochidiatus, var. melanacanthus

Larkspur

Meadow rue

ROSE FAMILY

Crimson Cinquefoil

MADDER FAMILY

Rough buttonweed

Common Bed Straw

Houstonia

SAXIFRAGE FAMILY

Coral Bells

FIGWORT FAMILY

Indian Paintbrush

Toadflax

Little Snapdragon vine

Red Monkey flower

Yellow Monkey flower

S.W. Beardtongue

Penstemon

Moth Mullein

Common Mullein

American brookline/Speedwell

NIGHTSHADE FAMILY

Sacred Datura

Desert Tobacco

Ground Cherry

Silverleaf Nightshade (horse nettle)

Buffalo Bur

PARSLEY FAMILY

Mexican Thistle

Button Snakeroot

Mt. Parsley

VALERIAN FAMILY

Valerian

EVERVAIN FAMILY

Sm. flowered Verbena

Vervain

VIOLET FAMILY

Green violet

Violet

GRAPE FAMILY

Virginia Creeper

Canyon Grape

CALTROP FAMILY

GAVE FAMILY

Palmer Agave

Huachuca Agave

Sotol

Bear grass

Hairy Yucca

CACTUS FAMILY

Rainbow cactus

Claret-cup hedgehog

WOODY SHRUBS

ANACARDIACEAE

Rhus choriophylla

Rhus glabra

Rhus radicans

Rhus trilobata

BERBERIDACEAE

Berberis wilcoxii

CORNACEAE

Cornus sericea

ERICACEAE

Arctostaphylos pungens

GARRYACEAE

Garrya wrightii

LEGUMINOSAE

Amorpha fruticosa, var. occidentalis

Erythrina flabelliformis

Mimosa biuncifera

Mimosa dysocarpa

Robinia neomexicana

RHAMNACEAE

Ceanothus fendleri

Rhamnus betulaeifolia

Rhamnus californica

ROSACEAE

Cercocarpus montanus

*Cotonia stansburiana*³

Prunus serotin ssp. virens

RUBIACEAE

Bouvardia glaberrima

RUTACEAE

Ptelea angustifolia

SALICACEAE

Salix lasiolepis

SAXIFRAGACEAE

Fendlera rupicola

TREES

ACERACEAE

Acer grandidentatum

BIGNONIACEAE

Chilopsis linearis

CUPRESSACEAE

Cupressus arizonica

Juniperus deppeana

ERICACEAE

Arbutus arizonica

FAGACEAE

Quercus arizonica

Quercus emoryi

Quercus gambelii

Quercus hypoleucoides

JUGLANDACEAE

Juglans major

OLEACEAE

Fraxinus velutina

PINACEAE

Pseudotsuga menziesii

Pinus discolor

Pinus engelmannii

Pinus leiophylla var. chihuahuana

Pinus ponderosa var. arizonica

PLATANACEAE

Platanus wrightii

SALICACEAE

Populus fremontii

Salix gooddingii

CASHEW FAMILY

Mearns Sumac

Smooth sumac

Squaw Bush

BARBERRY FAMILY

Barberry/Mahonia

DOGWOOD FAMILY

Red Osier Dogwood

HEATHER FAMILY

Manzanita

SILK TASSEL FAMILY

Silk Tassel

PEA FAMILY

Bastard Indigo

Southwestern Coralbean

Cat claw Mimosa

Catuno/Velvet pod

NM Locust

BUCKTHORN FAMILY

Buckbrush

Buckthorn

CA Buckthorn

ROSE FAMILY

Mt. Mahogany

Cliff Rose

Southwestern Chokecherry

MADDER FAMILY

Scarlet Bouvardia

RUE FAMILY

Hop Tree

WILLOW FAMILY

Arroyo Willow

SAXIFRAGE FAMILY

False Mock Orange

MAPLE FAMILY

Bigtoothed Maple

BIGNONIA FAMILY

Desert Willow

CYPRESS FAMILY

Arizona Cypress

Alligator Juniper

HEATHER FAMILY

Arizona Madrone

BEECH FAMILY

Arizona White Oak

Emory Oak

Gambel Oak

Silverleaf Oak

WALNUT FAMILY

Arizona Walnut

OLIVE FAMILY

Velvet Ash

PINE FAMILY

Douglas Fir

Border Pinyon Pine

Apache Pine

Chihuahua Pine

Ponderosa Pine

PLANE TREE FAMILY

Arizona Sycamore

WILLOW FAMILY

Fremont Cottonwood

Goodding Willow

GARDEN CANYON PLANT LIST

Huachuca Mountains, Cochise County

TREES		
Scientific Name	Common Name	Family
<i>Acer grandidentatum</i>	big-toothed maple	Aceraceae
<i>Chilopsis linearis</i>	desert willow	Bignoniaceae
<i>Cupressus arizonica</i>	Arizona cypress	Cupressaceae
<i>Juniperus deppeana</i>	alligator juniper	Cupressaceae
<i>Arbutus arizonica</i>	Arizona madrone	Ericaceae
<i>Quercus arizonica</i>	Arizona white oak	Fagaceae
<i>Q. emoryi</i>	Emory oak	"
<i>Q. gambelii</i>	Gambel oak	"
<i>Q. hypoleucoides</i>	silverleaf oak	"
<i>Juglans major</i>	Arizona walnut	Juglandaceae
<i>Fraxinus velutina</i>	velvet ash	Oleaceae
<i>Pseudotsuga menziesii</i>	Douglas fir	Pinaceae
<i>Pinus discolor</i>	border pinyon pine	"
<i>P. engelmannii</i>	Apache pine	"
<i>P. leiophylla</i>	Chihuahua pine	"
<i>Platanus wrightii</i> v. <i>racemosa</i>	sycamore	Platanaceae
<i>Populus fremontii</i>	Fremont cottonwood	Salicaceae
<i>Salix gooddingii</i>	Gooding's willow	"

WOODY SHRUBS		
<i>Rhus aromatica</i>	Mearns sumac	Anacardiaceae
<i>R. choriophylla</i>	squaw bush	"
<i>Berberis wilcoxii</i>	barberry	Berberideacea
<i>Cornus sericea</i>	red osier dogwood	Cornaceae
<i>Garrya wrightii</i>	sild tassel	Garryaceae
<i>Amorpha fruticosa</i>	bastard indigo	Leguminosea
<i>Erythrina flabelliformis</i>	coral bean	"
<i>Mimosa biuncifera</i>	wait-a-minute bush	"
<i>M. dysocarpa</i>	gatuño	"
<i>Robinia neomexicana</i>	new Mexican locust	"
<i>Rhamnus betulaefolia</i>	birch leaf thorn	Rhamnaceae
<i>Cercocarpus montanus</i>	mountain mahogany	Rosaceae
<i>Prunus serotin</i> ssp. <i>virens</i>	southwestern choke cherry	"

WOODY SHRUBS

<i>Bouvardia tenifolia</i>	scarlet bouvardia	Rubiaceae
<i>Ptelea trifoliata</i>	hop tree	Rutaceae
<i>Salix lasiolepis</i>	arroyo willow	Salicaceae

SUCCULENTS

Agave huachucensis	Huachuca agave	Agavaceae
<i>A. palmeri</i>	Palmer agave	"
<i>Dasyliirion wheeleri</i>	stool	"
<i>Nolina microcarpa</i>	beargrass	"
<i>Yucca schottii</i>	mountain yucca	"
<i>Echinocereus rigidissimus</i>	rainbow cactus	Cactaceae
<i>E. coccineus</i> var <i>arizonicus</i>	claret-cup hedgehog	"

HERBACEOUS PLANTS

(see separate list for grasses)

<i>Aclepias tuberosa</i>	butterfly weed	Asclepiadaceae
<i>Lithospermum cobrense</i>	gromwell, puccoon	Boraginaceae
<i>Lobelia anatina</i>	mountain lobelia	Campanulaceae
<i>L. cardinalis</i>	cardinal flower	"
<i>Lonicera arizonica</i>	Arizona honeysuckle	Caprifoliaceae
<i>Silene laciniata</i> , ssp. <i>greggii</i>	Mexican campion	Caryophyllaceae
<i>Commelina dianthifolia</i>	day flower	Commelinaceae
<i>Artemisia ludoviciana</i>	white sage	Compositae
<i>Aster lemmoni</i>	aster	"
<i>Bidens</i> sp.		"
<i>Centaurea rothrockii</i>	Mexican thistle	"
<i>Cirsium arizonicum</i>	Arizona thistle	"
<i>C. neomexicanum</i>	New Mexico thistle	"
<i>Cosmos parviflorus</i>	cosmos	"
<i>Dyssodia papposa</i>	false dog fennel	"
<i>Euphorbia</i> sp.	cleome	"
<i>Eupatorium</i> sp.		"
<i>Gaillardia pinnatifida</i>	blanket flower	"
<i>Gutierrezia wrightii</i>	broom weed	"
<i>Gymnosperma glutinosum</i>	tarahumcho	"
<i>Heterotheca subaxillaris</i>	camphor weed	"
<i>Machaeranthera pinnatifida</i> ssp. <i>pinnatifida</i>	spiny haplopappus	"

HERBACEOUS PLANTS (see separate list for grasses)		
<i>Pseudognaphalium</i> sp	cudweed	"
<i>Sanvitalia</i> sp		"
<i>Senecio flaccidus</i>	threadleaf groundsel	"
<i>Solidago</i> sp	goldenrod	"
<i>Stephanomeria</i> sp	wire lettuce	"
<i>Stevia</i> sp		"
<i>Tagetes lemmoni</i>	Lemmon marigold	"
<i>Tanacetum</i>	ligonice marigold	"
<i>Viguiera annua</i>		"
<i>V. deltoidea</i>		"
<i>V. dentata</i>	goldeneye	"
<i>Zinnia peruviana</i>	zinnia	"
<i>Ipomoea coccinea</i>	scarlet morning glory	Convolvulaceae
<i>Sisymbrium lineatifolium</i>	pink windmills	Cruciferae
<i>Cucurbita foetidissima</i>	buffalo gourd	Cucurbitaceae
<i>Acalypha lucida</i>	threeseed mercury	Euphorbiaceae
<i>Gentianella detonsa</i> , ssp. <i>superba</i> (<i>Gentiana grandis</i>)	gentian	Gentianaceae
<i>Geranium caespitosum</i>		Geraniaceae
<i>G. wislizeni</i>		"
<i>Sisymbrium debissimum</i> or <i>amelichium</i>	blue-eyed grass	Iruidaceae
<i>Hedeoma hyssopifolium</i>	mock pennyroyal	Labiatae
<i>Monarda</i> sp	bee balm, horse mint	Labiatae
<i>Salvia arizonica</i>	sage	"
<i>S. lemmoni</i>	sage	"
<i>Scutellaria</i> sp	skull cap	"
<i>Stachys coccinea</i>	Texas betony	"
<i>Trichostema arizonicum</i>	blue curls	"
<i>Cologetia</i> sp		Leguminosae
<i>Coursetia</i> sp.		"
<i>Dalea albiflora</i>		"
<i>D. filiformis</i>		"
<i>Desmodium</i> sp	tick clover	"
<i>Melilotus</i> sp	sweet clover	"
<i>Senna hirsuta</i> var. <i>glaberrima</i>	shin pod senna	"
<i>Vicia pulchella</i>	vetch	"
<i>Allium</i> sp	onion	Liliaceae

HERBACEOUS PLANTS (See separate list for grasses)		
<i>Echeandia flavescens</i>	crag lily, amber lily	"
<i>Milla hirtiflora</i>	Mexican star	"
<i>Linum lewisii</i>	blue flax	Linaceae
<i>L. neomexicanum</i>	yellow flax	"
<i>Sphaeralcea fendleri</i>	Fendler globe mallow	Malvaceae
<i>Mirabilis longiflora</i>	sweet four o'clock	Nyctaginaceae
<i>Calylophus toumeyii</i>		Onagraceae
<i>Gaillardia</i> sp.	gaillardia	"
<i>Oenothera elata</i> ssp. <i>hookeri</i>	Hooker's evening primrose	"
<i>O. rosea</i>	rose sundrops	"
<i>Oxalis albicans</i>	yellow wood sorrel	Oxalidaceae
<i>Argemone</i> sp.	prickly poppy	Papaveraceae
<i>Ipomopsis thurberi</i>	purple gilia	Polemoniaceae
<i>Polygala obscura</i>		Polygalaceae
<i>Aquilegia chrysantha</i>	columbine	Ranunculaceae
<i>Delphinium scopulorum</i>	larkspur	"
<i>Thalictrum fendleri</i>	meadow rue	"
<i>Potentilla thurberi</i>		Rosaceae
<i>Galium</i> sp.	bedstraw	Rubiaceae
<i>Hedyotis wrightii</i>		"
<i>Heuchera sanguinea</i>	coral bells	Saxifragaceae
<i>Antirrhinum nuttallianum</i>		Scrophulariaceae
<i>Castilleja</i> sp.	Indian paint brush	"
<i>Linaria canadensis</i> var. <i>texana</i>	toadflax	"
<i>Maurandya antirrhiniflora</i>	blue snapdragon vine	"
<i>Penstemon barbatus</i>	southwestern beard tongue	"
<i>P. stenophyllus</i>	penstemon	"
<i>Verbascum thapsus</i>	mullein	"
<i>Datura wrightii</i>	sacred datura	Solanaceae
<i>Physalis hederacfolia</i>	ground cherry	"
<i>Eryngium heterophyllum</i>	Mexican star flower	Umbelliferae
<i>Glandularia bipinnatifida</i>	small flowered verbena	Verbenaceae
<i>Verbena neomexicana</i>	Vervain	"
<i>Vitis arizonica</i>	canyon grape	Vitaceae
<i>Kallstroemia parviflora</i>		Zygophyllaceae

Plantago ovata
Indian wheat
metamucil

GRASSES

(Contributed by Horace Miller)

Grasses listed below were observed in the 5000' to 6300' elevation range in the canyon
(elevation starts 400' lower than that embraced in the above)

Agropyron arizonicum	wheat grass	Gramineae
<i>Agrostis stolonifera</i>	red top	"
<i>Aristida orcuttiana</i>	beggar tick three-awn	"
<i>Bothriochloa barbinodis</i>	cane beardgrass	"
<i>Bouteloua curtipendula</i>	side-oats grama	"
<i>B. gracilis</i>	blue grama	"
<i>B. hirsuta</i>	hairy grama	"
<i>B. radicata</i>	purple grama	"
<i>Bromus inermis</i>	smooth brome	"
<i>B. marginatus</i>	mountain brome	"
<i>Cenchrus insertus</i>	field sanbur	"
<i>Chloris virgata</i>	feather fingergrass	"
<i>Dactylis glomerata</i>	orchard grass	"
<i>Echinochloa crusgalli</i>	barnyard grass	"
<i>Eragrostis chlormelas</i>	boer lovegrass	"
<i>E. cilianensis</i>	stink grass	"
<i>E. curvula</i>	weeping lovegrass	"
<i>E. intermedia</i>	plains lovegrass	"
<i>E. lehmanniana</i>	Lehman lovegrass	"
<i>Koeleria pyramidata</i>	line grass	"
<i>Leptochloa dubia</i>	green spangle top	"
<i>Lolium multiflorum</i>	Italian ryegrass	"
<i>L. perenne</i>	perennial rye grass	"
<i>Lycurus phleoides</i>	wolf tail grass	"
<i>Muhlenbergia emersleyi</i>	bull grass	"
<i>M. longiligula</i>	long-tongue muhly	"
<i>M. minutissima</i>		"
<i>M. montana</i>	mountain muhly	"
<i>M. polycaulis</i>	cliff muhly	"
<i>Piptochaetium fimbriatum</i>	pinon ricegrass	"
<i>Schizachyrium hirtiflorum</i>		"
<i>Sorghum halepense</i>	Johnson grass	"
<i>Sporobolus wrightii</i>	sacaton	"