

PLANT GUIDE TO FISCALINI RANCH and CAMBRIA



*including both halves of the previous
East-West Ranch and the riparian
corridor of Santa Rosa Creek
Constructed from plant lists compiled
by Dr. David Keil, 'Doc' Miller, Holly
Sletteland, and herbarium records,
with botanic descriptions extracted
from work by Dr. Keil*

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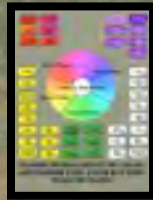
**CLICKABLE INDICES OF SCIENTIFIC AND COMMON NAMES
ARE LOCATED AT THE BACK OF THIS DOCUMENT**



HOW TO USE THIS GUIDE

IF YOU CAN COUNT THE PETALS/LOBES OF THE FLOWER, IF VISIBLE....

AND YOU CAN CHOOSE A COLOR, THEN MAKE A SELECTION FROM THE **'FLOWER PICKER'**



WITHIN EACH COLOR-FLOWER STRUCTURE GROUP REACHED FROM THE FLOWER PICKER, PLANTS ARE ARRANGED BY FAMILY, AND THEN BY THE SCIENTIFIC BINOMIAL. EACH PAGE IDENTIFIES GROUP IN UPPER RIGHT CORNER. YOU CAN RETURN TO THE FLOWER PICKER FROM THE LOWER LEFT CORNER, AND BROWSE USING THE ARROWS ON LOWER RIGHT CORNER .



IF YOU CAN'T FIND YOUR PLANT USING THE CHOSEN COLOR, TRY SOME OTHERS... THIS IS A COMMON ISSUE WITH PLANTS THAT EITHER HAVE A FAINT COLORATION, OR ARE IN THE MIDWAY POINT BETWEEN RED AND BLUE (MAGENTA-VIOLET)

THE INDICES AT THE BACK OF THE 'BOOK' ARE ARRANGED BY BOTH COMMON AND SCIENTIFIC NAME. YOU CAN CLICK THE NAME TO TAKE YOU TO THAT PLANT

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4 Petals or Lobes

5 Petals or Lobes

5 Lobes in 2 Lips

Pea Flowers

Other Flowers

4 Petals

5 Petals or Lobes

5 Tiny Petals in Umbels

5 Lobes in 2 Lips

5 Petals. Coils

Daisy Flowers

Dandelion Flowers

Many Petals

6 Petals

Disk Flowers

Pea Flowers

Other Flowers

Green, Brown or Obscure

Grasses

Sedges

Rushes

Cattails

Trees

Lycophytes

Ferns

4 Petals or Lobes

5 Petals or Lobes

5 Lobes in 2 Lips

6 Parts

4 Petals or Lobes

5 Petals or Lobes

5 Lobes 2 Lips

6 Parts

Daisy Flowers

Pea Flowers


Daisy Flowers

Dandelion Flowers

Disk Flowers

Pea Flowers

Other Flowers



Indicates California Native Plant

Red to Magenta

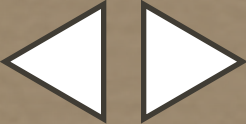
Violet to Blue

White or Tinted White

Tints of Yellow

Green to Brown

FLOWER PICKER: SELECT BY COLOR AND FLOWER TYPE. CLICK BUTTONS TO GO TO PLANTS



Shepherd's purse

Capsella bursa-pastoris

BRASSICACEAE - Mustard Family



David Chipping



David Chipping

Description: Annual or biennial. Leaves in basal rosette, pinnately lobed or dentate, cauline leaves sessile. Fruit distinctive triangular-heart shaped

Habitat: Disturbed areas

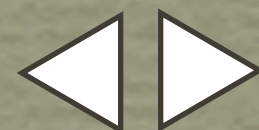
Flowers: Petals 2-4 mm

Blooming Period: June-October



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Milk maids

Cardamine californica

BRASSICACEAE - Mustard Family



Marlin Harms



David Chipping

Description: Perennial from rhizome. Stem to 6 dm. Cauline leaflets usually 3, widely ovate

Habitat: Shaded areas, winter damp soils

Flowers: Petals 8-13 mm long

Blooming Period: January-May

Hairy bittercress

Cardamine hirsuta

BRASSICACEAE - Mustard Family

4 Petals
or Lobes

Description: Annual, erect to 3.5 dm. Stem base hairy. Leaves a basal rosette, 4-7 leaflet pairs, dentate to 3-lobed. Fruit erect

Habitat: Disturbed areas, damp soil



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Flowers: Petals 2.5-4.5 mm long

Blooming Period: February-July



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Few-seeded bittercress

Cardamine oligosperma

BRASSICACEAE - Mustard Family



David Chipping



David Chipping



David Chipping

Description: Annual, small, cauline leaves pinnately compound, 3-25 leaflets

Habitat: Shaded and damp areas

Flowers: Petals 2.5-3.5 mm long

Blooming Period: March-July



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Yellow-green peppergrass

Lepidium strictum

BRASSICACEAE - Mustard Family



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Description: Puberulent low spreading annual to 1.7 dm. Basal leaves 2 pinnate to 5.6 cm, bases tapered

Flowers: Linear petals 0.5 mm long

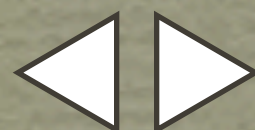
Habitat: Disturbed ground

Blooming Period: April-June



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Common watercress

Nasturtium officinale

BRASSICACEAE - Mustard Family

4 Petals
or Lobes



David Chipping

Description: Aquatic introduced perennial with pinnately compound leaves and hollow stems

Habitat: Stream beds

Flowers: Petals 2.8-4.5 mm long

Blooming Period: March-November



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Jointed charlock

Raphanus raphanistrum

BRASSICACEAE - Mustard Family

Description: Non native weedy annual to 13 dm. Leaves usually pinnately divided, to 60 cm long. Seed pod pinched between seeds



© Olivier Pichard (CC BY 3.0)

Habitat: Disturbed, open areas

Flowers: Petals to 25 mm, narrow at base

Blooming Period: May-July

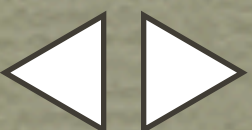


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Red-osier dogwood

Cornus sericea

CORNACEAE - Dogwood Family

4 Petals
or Lobes

Description:

Shrub growing to 4m tall, branches reddish to purple, prominent leaf veins

Habitat: Damp soils adjacent to creek

Flowers: Petals 2-4.5 mm long, flowers in cyme, fruit a cluster of white berries

Blooming Period: May-July



David Chipping

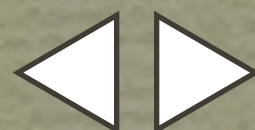


Marlin Harms



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Fringed willow-herb

Epilobium ciliatum subsp. ciliatum

ONAGRACEAE - Evening Primrose Family



Santa Monica Mountains National Recreation Area Public Domain

Description: Erect perennial to 12 dm.
Leaves lanceolate to ovate. Basal leaf rosette present

Habitat: Damp soils

Flowers: Openly branched inflorescence.
Petals 2-6 mm, white to faint pink

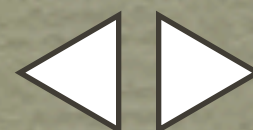
Blooming Period: June-October

Note: *E. ciliatum ssp. watsonii* has petals 4-14 mm and is generally pink to rose purple



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Foothill plantain

Plantago erecta

PLANTAGINACEAE – Plantain Family

4 Petals
or Lobes

Description:

Small native annual, usually less than 10 cm.

Habitat: Open areas



David Chipping

Flowers: Petals 2-3 mm, many flowers tightly clustered in terminal inflorescence



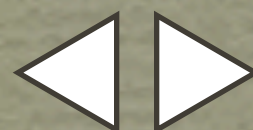
David Chipping

Blooming Period:
March-May



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4 Petals
or Lobes

Virgin's bower

Clematis ligusticifolia

RANUNCULACEAE - Buttercup Family

Description:

Woody
vine, perennial.
5-15 leaflets

Habitat: Wet
areas close to
creek

Flowers: Petal-like
sepals 6-10 mm
long, 25-65 pistils

Blooming Period:
June-September



Marlin Harms



Marlin Harms

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Redberry

Rhamnus crocea

4 Petals
or Lobes

RHAMNACEAE - Buckthorn Family

Description:

Shrub up to 2 m tall. Leaves elliptical to ovate, blade 10-15 mm, shiny green. Fruit a spherical red drupe



David Chipping

Habitat: Many habitats

Flowers:

Hypanthium 2 mm wide, 4 sepals, 0 petals



David Chipping

Blooming Period: January-April



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Common bedstraw

Galium aparine

RUBIACEAE - Bedstraw Family



David Chipping



David Chipping

Description: Non-native annual, upright or sprawling, leaves usually 6 or more in a whorl, many small curved prickles “snag” on other vegetation

Habitat: Shady areas

Flowers: Tiny, on branches in axils

Blooming Period: March-July



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Blue elderberry

Sambucus nigra ssp. caerulea

ADOXACEAE - Elderberry Family



David Chipping



David Chipping

Description: Shrub to small tree to 8 m. Deciduous. Leaves pinnately compound. Fruit berry like and blue-black when ripe

Habitat: Riparian and chaparral

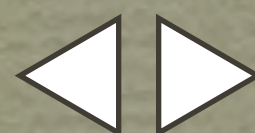
Flowers: Umbel-like, flat topped cyme. Small petals, spreading elliptical to 6-15 mm

Blooming Period: March-September



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Poison-oak

Toxicodendron diversilobum

ANACARDIACEAE - Sumac Family



David Chipping



David Chipping

Description: Shrub or climbing vine. Leaves compound with three leaflets. Leaves turn red in the fall. Fruit small, spherical, cream to white. May cause blistering rash

Habitat: All areas

Flowers: 5 small petals, white to yellow-green

Blooming Period: April-June



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Poison hemlock

Conium maculatum

APIACEAE - Celery Family

5 Petals
or Lobes



Marlin Harms



David Chipping

Description: Introduced biennial 5-30 dm tall. Stems purple-spotted. Leaves pinnately divided into many segments

Habitat: Many, common along trails

Flowers: Tiny, in compound umbels. Umbels terminal and lateral

Blooming Period: April-July

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Annual wild carrot

Daucus pusillus

APIACEAE - Celery Family

5 Petals
or Lobes

Description:

Annual to 9 dm.
Leaves pinnately
dissected,
segments linear

Habitat: Rocky
and sandy soils

Flowers: Tiny, in
compound umbels.
Umbels terminal.
Bracts conspicuous,
pinnately lobed

Blooming Period:
April-June



David Chipping



David Chipping



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5 Petals
or Lobes

Coyote thistle

Eryngium armatum

APIACEAE - Celery Family



David Chipping

Description: Erect, low growing to 5 dm. Stems branching distal of rosette. Leaves 10-30 cm, thick, oblanceolate, sharp serrate to pinnate, gray-green, spiny

Habitat: Coastal bluff grassland

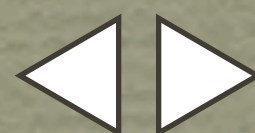
Flowers: Inflorescence heads 5-15 mm, bracts 7.5-25 mm

Blooming Period: May-August



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Cow-parsnip

Heracleum maximum

APIACEAE - Celery Family

Description: Erect, perennial to 3 m. Hairy, strongly scented. Leaves large, divided into 3 leaflets, each 1-4 dm wide, lobed and coarsely serrate

Habitat: Specimen noted just west of Highway 1, moist places, woods

Not widely reported, possibly not present at this time

Flowers: Inflorescence a compound umbel with 15-30 rays. Petals obovate

Blooming Period: April-July

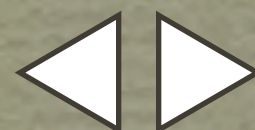


David Chipping



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Marsh-parsley

Oenanthe sarmientosa

APIACEAE - Celery Family

Description:

Perennial 5-15 dm tall. Leaves 2-pinnate, 1-3 dm, leaflets 1-6 cm and ovate. Stems decumbent to ascending



David Chipping

Habitat: Wet areas, creeks



David Chipping

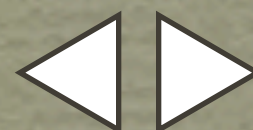
Flowers: Tiny, in compound umbels. Umbels terminal

Blooming Period: June-October



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Mountain sweet-cicely

Osmorhiza berteroi

APIACEAE - Celery Family

5 Petals
or Lobes

Description:

Perennial 3-12 dm tall. Leaves 2-pinnate, 4-20 cm wide, leaflets 2-8 cm and obovate. Stems spreading to ascending. Fruit long, narrow, bristly

Habitat: Conifer woodland

Flowers: Small obovate petals

Blooming Period: April-July



David Chipping



David Chipping



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Gairdner's yampa

Perideridia gairdneri subsp. gairdneri

APIACEAE - Celery Family

Description: Erect
3-14 dm perennial from
tuber-like root,. Basal
leaves 1-pinnate, basal
blade 20-35 cm,
leaflets 2-12 cm, linear
to lanceolate

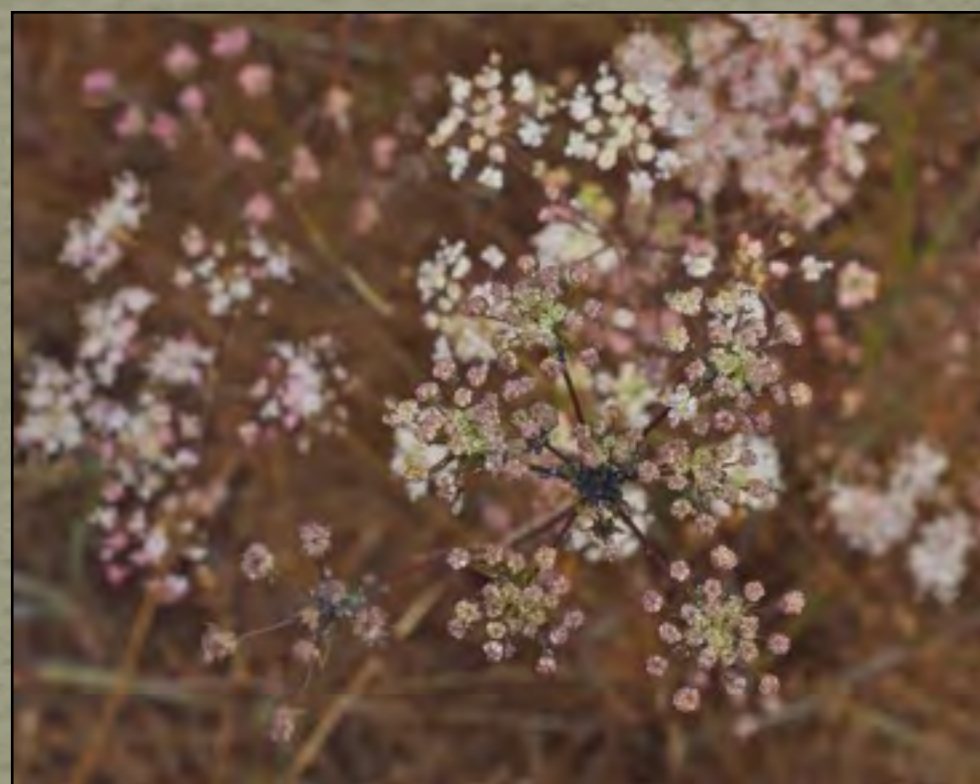
Habitat: Coastal terrace
grassland, pine forest

Flowers: Tiny, in
compound umbels.
Umbels terminal. Ray
flowers 7-14

Blooming Period:
June-July



David Chipping



Brad Seek



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Spreading hedge-parsley

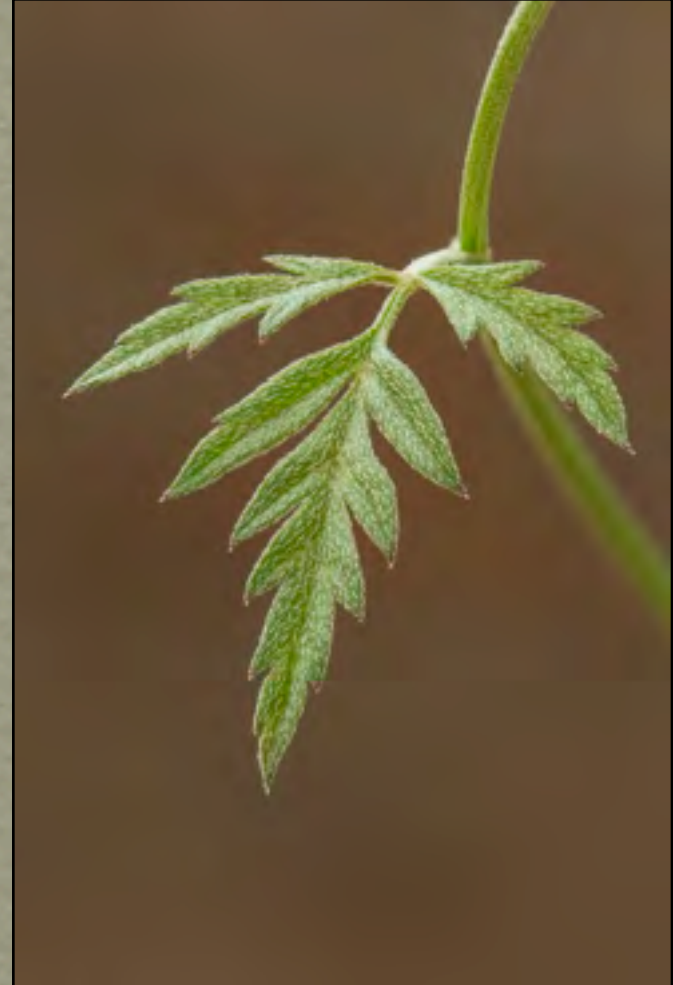
Torilis arvensis

APIACEAE - Celery Family

5 Petals
or Lobes



Marlin Harms



Marlin Harms

Description: Introduced, erect annual to 10 dm tall. Leaves pinnate, fruit with prickles

Habitat: Disturbed areas, woods

Flowers: Tiny, in terminal compound umbels. Umbels terminal

Blooming Period: April-July



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Knotted hedge-parsley

Torilis nodosa

APIACEAE - Celery Family

5 Petals
or Lobes



National Park Service: Public Domain

Description: Annual to 5 dm tall, with dense umbel,. Leaves pinnately dissected

Habitat: Disturbed areas

Flowers: Tiny, in dense axillary compound umbels.

Blooming Period: April-June



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Narrow-leaved milkweed

5 Petals
or Lobes

Asclepias fascicularis

APOCYNACEAE - Dogbane Family



David Chipping

Description: Erect perennial , glabrous. Leaves whorled in 3's or 5's, narrowly lanceolate

Habitat: Dry soils

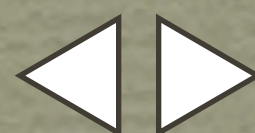
Flowers: Inflorescence terminal and at upper nodes. Corolla reflexed, green-white, hoods elevated above corolla base, horns exserted

Blooming Period: May-October



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Common snowberry

Symphoricarpus albus

CAPRIFOLIACEAE - Honeysuckle Family



David Chipping



Marlin Harms



David Chipping

Description: Erect shrub, to 18 dm high

Habitat: Riparian areas

Flowers: 4-6 mm, bell shaped, swollen on one side, pink to white

Blooming Period: May-July





Creeping snowberry

Symphoricarpus mollis

CAPRIFOLIACEAE - Honeysuckle Family

Description:

Sprawling shrub,
stems to 6 dm.
Leaves soft and
hairy



David Chipping

Habitat: Open and
shaded areas

Flowers: 4 mm,
bell shaped,
swollen on one
side, pink to red



Marlin Harms

Blooming Period:
April-May



Mouse-ear chickweed

Cerastium glomeratum

CARYOPHYLLACEAE - Pink Family

5 Petals
or Lobes

Description:

Annual to 40 cm,
hairy \pm glandular.
Leaf oblanceolate
to oval

Habitat: Grassland,
disturbed ground

Flower: Very tiny,
5-petal, 3-5 mm
long, white,
notched



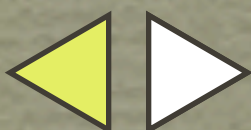
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Blooming Period:
Spring



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Windmill pink

Silene gallica

CARYOPHYLLACEAE - Pink Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Introduced annual, decumbent to erect, up to 45 cm tall, glandular and slightly sticky to touch

Habitat: Disturbed areas, grassland

Flowers: Hairy tubular calyx 10-veined

Blooming Period: Spring-early summer

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Spurrey

Spergula arvensis

CARYOPHYLLACEAE - Pink Family



David Chipping

Description: Introduced annual, ascending to erect, up to 40 cm tall, usually 10 cm. Leaves linear, appear whorled

Habitat: Disturbed areas, grassland, fire follower

Flowers: Petals 3-5 mm

Blooming Period: Spring-early summer



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Common chickweed

5 Petals
or Lobes

Stellaria media

CARYOPHYLLACEAE - Pink Family

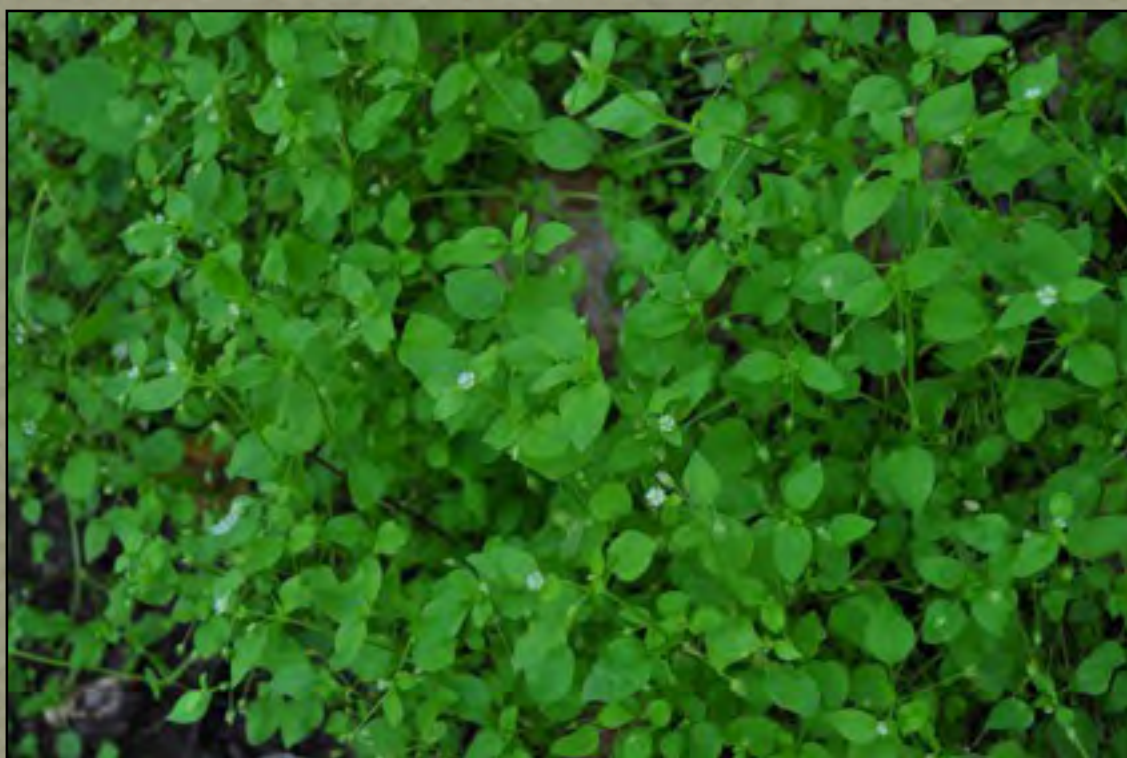
Description:

Introduced annual,
prostrate to erect,
up to 50 cm tall,
usually 10 cm.
Leaves evenly
spaced



David Chipping

Habitat: Disturbed
areas, trailside,
usually semi-
shaded



David Chipping

Flowers: Sepals
3-4 mm, 5 petals
each split to 2
lobes, smaller than
sepals. Buds hairy

Blooming Period: February-September



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Coast morning glory

Calystegia macrostegia subsp. cyclostegia

CONVOLVULACEAE - Morning-Glory Family



David Chipping

Description: Perennial herb or subshrub from woody caudex. Spreading and climbing. Leaves triangular and lobed. Bracts hide the calyx

Habitat: Open areas, abundant after fire

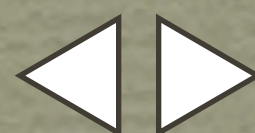
Flowers: Corolla 30-50 mm, sepals 9-15 mm

Blooming Period: March-August



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San Luis Obispo morning glory

Calystegia subacaulis subsp. episcopalis

CONVOLVULACEAE - Morning-Glory Family

Description:

Perennial from branched rhizome, spreading and decumbent. Leaves with appressed hairs and edges curved

Habitat: Grasslands, generally clay soils

Flowers: Bracts acute, corolla to 60 mm

Blooming Period: April-June



David Chipping

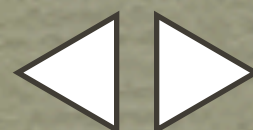


David Chipping



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Bindweed

Convolvulus arvensis

CONVOLVULACEAE - Morning-Glory Family



David Chipping

Description: Perennial, prostrate or twining. Leaves hastate, 2-3 cm, tip rounded

Habitat: Many, open areas

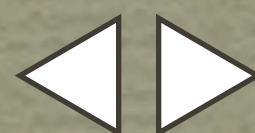
Flowers: 2 bracts, >1 mm below calyx. Calyx 5 mm, corolla 2-2.5 cm, funnel shaped

Blooming Period: March-October



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Wild cucumber

Marah fabacea

CUCURBITACEAE - Gourd Family

Description:

Sprawling to climbing vine with tendrils, extending to 6 m. Leaf rough-surfaced and 3-lobed. Fruit a prickly capsule with a few large seeds

Habitat: Noted from East Ranch

Flowers: 5-6

petals united and like wheel spokes, creamy white. Male and female flowers on same plant

Blooming Period: February-April



David Chipping

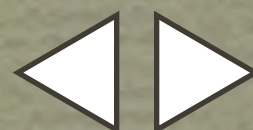


David Chipping



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Madrone

Arbutus menziesii

ERICACEAE - Heather Family

Description: Small tree or shrub, with distinctive peeling red bark stem. Fruit a red berry. Leaves evergreen and leathery, sometimes minutely serrate



David Chipping

Habitat:
Chaparral

Flowers: Corolla urn shaped, petals fused



Marlin Harms

Blooming Period: March-May



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Huckleberry

Vaccinium ovatum

ERICACEAE - Heather Family



David Chipping



David Chipping

Description: Shrub to 5-30 dm. Leaf 2-3 cm, elliptical, shiny, leathery. Fruit black

Habitat: Semi-shaded places, north facing slopes. Ridge Trail in pines

Flowers: Corolla bell shaped, in downward-hanging clusters

Blooming Period: March-May



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California croton

Croton californicus

EUPHORBIACEAE - Euphorbia Family

5 Petals
or Lobes



Marlin Harms

Description: Mounded annual <1 m, with stellate hairs, oblong-elliptical gray leaves

Habitat: Sandy soils

Flowers: Staminate and pistillate flowers on different plants

Blooming Period: April-July



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Turkey mullein

Croton setiger

EUPHORBIACEAE - Euphorbia Family

5 Petals
or Lobes



David Chipping

Description: Mounded annual with bristly stellate hairs, gray leaves

Habitat: Sunny open slopes

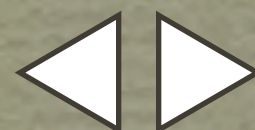
Flowers: 1-3 mm diameter, greenish-white, staminate and pistillate flowers on same plant. Pistillate flowers lack sepals

Blooming Period: May-October



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Straggly gooseberry

Ribes divaricatum

GROSSULARIACEAE - Gooseberry Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Shrub to 3 m high, armed with nodal spines. Berries 6–10 mm, turn red, then black

Habitat: Understory in woodland

Flowers: 5 mm long, sepals purple to green and reflexed, petals 1-3 mm white, pink or red, stamens longer than petals

Blooming Period: January-April



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Pink flowering currant

Ribes sanguineum var. *glutinosum*

GROSSULARIACEAE - Gooseberry Family

Description: Shrub to 2 m high, without nodal spines.

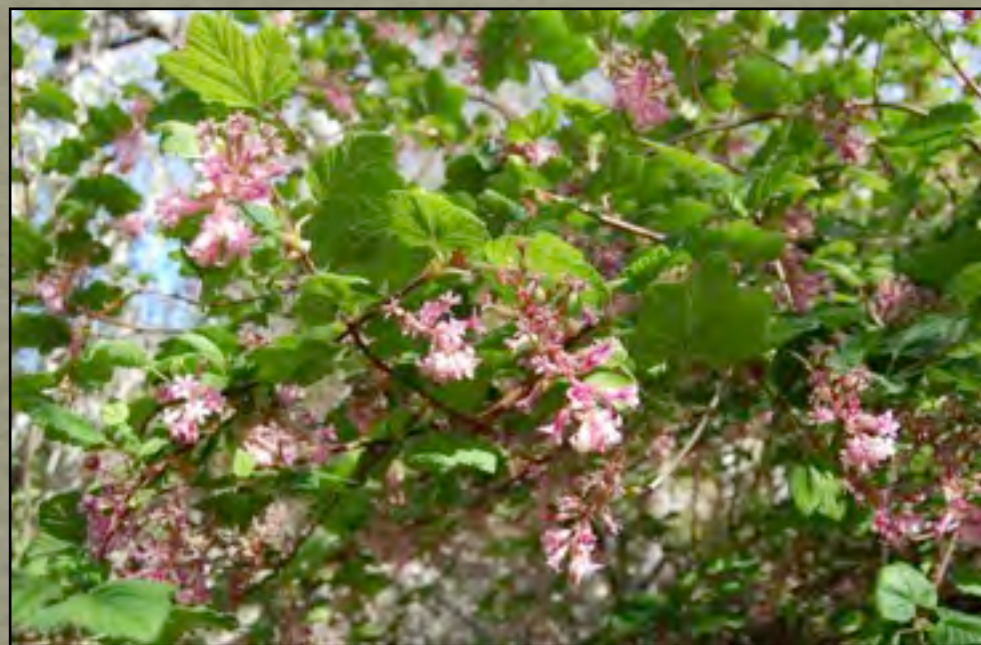
Berries 4–8 mm, purple. Leaves 2-7 cm, palmate with 5 lobes, resinous scented, deciduous



David Chipping

Habitat: Riparian areas

Flowers: Loose racemes of 5-30 rose-pink flowers, styles fused



David Chipping

Blooming Period: February-April



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Santa Lucia gooseberry

Ribes sericeum

5 Petals
or Lobes

GROSSULARIACEAE - Gooseberry Family



David Chipping

Description: Shrub to 2 m height. Stems densely hairy, armed with 3-branched nodal spines, leaves 2-4 cm, glabrous above, hairy underneath. Berries 10–20 mm, purple, glandular-bristly

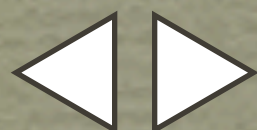
Habitat: Chaparral and woodland

Flowers: 1-3 flowers grouped, sepals reflexed and purple, petals white, anthers exceed petals, subequal to styles

Blooming Period: December-April

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Pale flax

Linum bienne

LINACEAE - Flax Family

5 Petals
or Lobes



Marlin Harms

Description: Biennial to 60 cm. Leaves 5-25 cm, linear

Habitat: Grassland

Flowers: Petals white to pale blue, 6-10 mm

Blooming Period: March-June



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California coffeeberry

Frangula (Rhamnus) californica

RHAMNACEAE - Buckthorn Family

Description:

Shrub up to 5m tall. Leaves elliptical to ovate, blade 20-100 mm, petiole 3-10 mm. Fruit a drupe, spherical, turning from green to brown to black

Habitat: Many habitats

Flowers: Cup-like hypanthium 1-2 mm wide



David Chipping



Marlin Harms

Blooming Period: May-July



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Chamise

Adenostoma fasciculatum

ROSACEAE - Rose Family

Description:

Shrub up to 4m tall growing from burl. Leaves narrow, clustered in groups along stem



Habitat: South facing slopes in chaparral



Flowers:

Inflorescence a many-flowered panicle, petals 1.5-2.5 mm

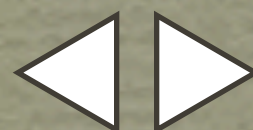
Photos: David Chipping

Blooming Period: May-June



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Mountain-mahogany

Cercocarpus betuloides

ROSACEAE - Rose Family

5 Petals
or Lobes



David Chipping



Marlin Harms

Description: Shrub with spreading to erect branches. Leaves widely elliptical to ovate, serrate to finely toothed. Distinctive plumose seed



Marlin Harms

Habitat: Chaparral, dry rocky slopes

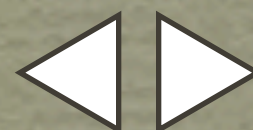
Flowers: Flower 5-8 mm wide, spreading petals, 25-40 stamens

Blooming Period: March-May



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Cotoneaster

Cotoneaster pannosus

ROSACEAE - Rose Family



Description: Evergreen shrub to 4 m, branches arching. Leaves elliptical, 15-32 mm. Bright red berries. Escaped from cultivation. (Two other similar *Cotoneaster* species have escaped into Fiscalini Ranch woodland)

Habitat: Woodland

Flowers: Flower 8.5-10 mm wide, spreading petals, 16-20 stamens

Blooming Period: May-July, fruiting October-May

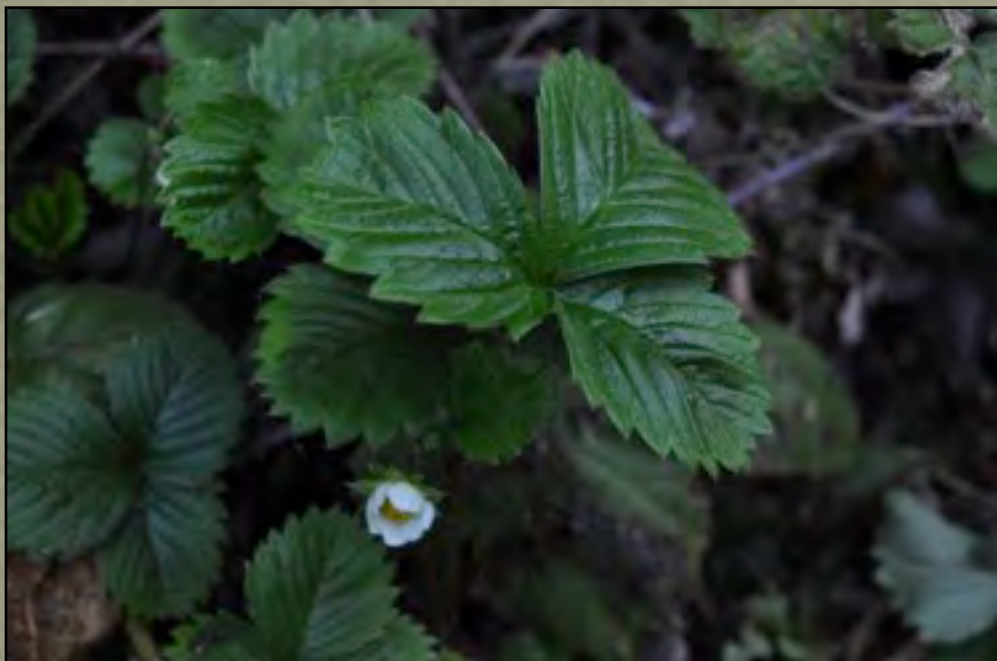


5 Petals
or Lobes

Wood strawberry

Fragaria vesca (*F. californica*)

ROSACEAE - Rose Family



David Chipping



David Chipping

Description: Perennial, low growing and spreading by stolons. Leaves deep green, shiny and toothed. Fruits small (5-10 mm) but delicious



David Chipping

Habitat: Shaded areas in woods

Flowers: Petals 5-8 mm, flower ± 15 mm wide

Blooming Period: January-July



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Toyon

5 Petals
or Lobes

Heteromeles arbutifolia

ROSACEAE - Rose Family

Description:

Shrub or small tree up to 10m. Leaves finely toothed and petioled, 5-10 cm long. Fruit a pome, maturing from green to red



David Chipping

Habitat: Pine forest, chaparral and oak woodlands



David Chipping

Flowers: In panicles. Petals 3-4 mm long

Blooming Period: June-August



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Ocean spray

Holodiscus discolor

ROSACEAE - Rose Family



David Chipping

Description: Shrub up to 6 m. Leaves ovate to obovate, toothed

Habitat: Open winter-shaded slopes

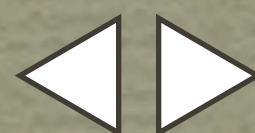
Flowers: In many-flowered panicles that tend to curve downward. Hypanthium 3-5 mm, petals 1.5-2 mm

Blooming Period: May-August



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California horkelia

5 Petals
or Lobes

Horkelia californica var. californica

ROSACEAE - Rose Family



David Chipping



David Chipping

Description: Perennial up to 120 cm. Leaves pinnate, leaflets 4-9 per side, palmately veined, 1-40 m long, toothed

Habitat: Understory in chaparral, coastal scrub

Flowers: Petals 3-8 mm

Blooming Period: March-September



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Wedgeleaf horkelia

Horkelia cuneata var. *cuneata*

5 Petals
or Lobes

ROSACEAE - Rose Family



David Chipping



David Chipping



David Chipping

Description: Perennial up to 70 cm. Leaves pinnate, with resinous odor when crushed. Glands usually evident. Plant forms mats

Habitat: Understory in chaparral

Flowers: Petals 4-8 mm. Hypanthium densely hairy on inner surface

Blooming Period: April-June

Note: Another very similar variety is *var. sericea* (Kellogg's horkelia) with obscure glands and lacking hypanthium hairs.



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Osoberry

Oemleria cerasiformis

ROSACEAE - Rose Family

Description:

Shrub up to 5 m.
Leaves simple
5-13 cm, lance-
shaped,
underneath paler,
may have
cucumber odor



David Chipping

Habitat: Infrequent. In
shaded gully, East Ranch

Flowers: Flowers small,
unisexual, in usually pendent
axillary clusters. Male and
female flowers on different
plants. Pistils 5, ripening as
blue-black, bean-shaped drupes



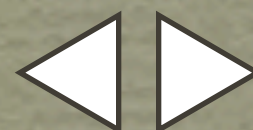
David Chipping

Blooming Period: February-April



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California blackberry

Rubus ursinus

ROSACEAE - Rose Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Tangled vine with decumbent prostrate branches with many prickles, Leaves 3-lobed or compound with 3 leaflets, tips acute. Composite fruit is small and produced sparingly, but edible and tasty



David Chipping

Habitat: Riparian and moist areas, disturbed areas

Flowers: Petals elliptical to 6-15 mm

Blooming Period: March-July



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Ngaio tree

Myoporum laetum

5 Petals
or Lobes

SCROPHULARIACEAE - FIGWORT Family

Description:

Shrub, small tree to 10m. Leaves bright green, lanceolate. Fruit a red-purple drupe. Yard escapee



David Chipping

Habitat: Various

Flowers: Corolla 10 mm, lobes 4-5.5 mm, white with purple spots

Blooming Period: Early spring



Wikimedia Commons: Public Domain



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Common jimson weed

Datura stramonium

SOLANACEAE - Nightshade Family

5 Petals
or Lobes

Description:

Annual to 10 dm.

Leaves 15 cm,
ovate, toothed.

Fruit spine
covered a large,
many-seeded
capsule, covered
by prickles



David Chipping

Habitat:

Disturbed areas

Flowers: Fused
petals, trumpet-like
to 9 cm. White to
violet



Marlin Harms

Blooming Period: All year



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Douglas's nightshade

Solanum douglasii

SOLANACEAE - Nightshade Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Perennial herb to subshrub to 2 m. Leaves ovate, entire or toothed. Fruit a berry. 6-9 mm, black when ripe

Habitat: Many habitats, common

Flowers: Fused petals, up to 10 mm wide
Color varies from white to pale violet.

Blooming Period: All year



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Wavy-stemmed popcorn flower

Plagiobothrys undulatus

BORAGINACEAE - Borage Family

5 Petals.
Coils

Description: Erect annual, turning decumbent, to 4 dm. Sparsely hairy

Habitat: Vernal pools, wetlands, collected on the old CT Ranch, probably on Santa Rosa Creek flood-plain

Flowers: Calyx 2-3 mm corolla limb 1.5-2 mm diameter

Blooming Period: March-June



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U.C. San Diego College of Sciences

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Salt heliotrope

Heliotropium curassavicum var. *oculatum*

HELIOTROPIACEAE - Heliotrope Family



Marlin Harms

Description: Low fleshy perennial, with prostrate habit. Leaves oblanceolate

Habitat: Saline and moist soils

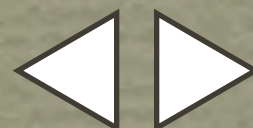
Flowers: Inflorescence spike-like cymes. Corolla 3-5 mm, bell-shaped

Blooming Period: February-October



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Stinging phacelia

Phacelia malvifolia

HYDROPHYLLACEAE - Waterleaf Famil

5 Petals.
Coils

Description: Erect annual to 100 cm, densely hairy. Stem with bulb-based hairs. Leaves lobed to compound below, toothed or lobed above, to 14 cm, bristly



David Chipping

Habitat: Shaded sites, rocky soils

Flowers: Calyx lobes 3-5 mm, corolla 5-7 mm, widely bell-shaped

Blooming Period: March-July



Marlin Harms



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California honeysuckle

Lonicera hispidula

CAPRIFOLIACEAE - Honeysuckle Family

5 Lobes in
2 Lips



David Chipping



David Chipping

Description: Sprawling to twining vine, opposite 4-8 cm oblong leaves, upper leaf pairs fused around stem. Fruit a red berry

Habitat: Riparian

Flowers: Corolla 12-16 mm, white to pink, stamens and stigma exserted

Blooming Period: May-June

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Yerba buena

Clinopodium (Satureja) douglasii

LAMIACEAE - Mint Family



David Chipping

Description: Perennial, ground-hugging herb. Leaves 10-35 mm, ovate, oil glands on lower surface and mint scented

Habitat: Chaparral and woodland

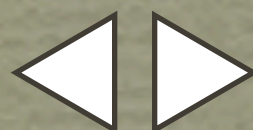
Flowers: Emerging from leaf axils. Corolla 3-8 mm, aging from white to lavender

Blooming Period: April-September



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Horehound

Marrubium vulgare

LAMIACEAE - Mint Family

5 Lobes in
2 Lips

Description:

Perennial non-native.

Tomentose.

Leaves ovate to round, crenate margins

Habitat:

Disturbed ground

Flowers: 0.5 cm diameter (4-5 mm). Corolla lips equal, upper lip 2-lobed. Calyx with 10 hooked lobes



Marlin Harms

Blooming Period: March-November



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Lemon balm

Melissa officinalis

LAMIACEAE - Mint Family



David Chipping



David Chipping



David Chipping

Description: Introduced perennial herb to 15 dm. Leaves 2-14 cm, ovate, crenate, and strongly scented

Habitat: Shaded, damp areas

Flowers: Corolla 8-15 mm, upper lip entire, lower lip 3 lobed

Blooming Period: June-September



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5 Lobes in
2 Lips

Lippia

Phylla nodiflora

VERBENACEAE - Vervain Family



David Chipping



David Chipping

Description: Perennial, mat-forming, prostrate branches to 15 cm. Leaves ovate smooth, few-toothed

Habitat: Grassland, East Ranch

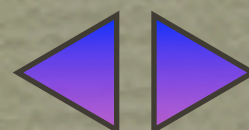
Flowers: Flowers in dense, head-like clusters 6-10 mm wide, on long peduncles

Blooming Period: May-November



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Soap plant

Chlorogalum pomeridianum

AGAVACEAE - Agave Family

Description:

From bulb.

Wavy-edged,
thin, long
leaves



David Chipping



David Chipping

Habitat: Clay soils

Flowers:

Inflorescence <40
cm in *var.*

divaricatum,

50-250 cm in *var.*

pomeridianum.

Flowers open near
dusk, close by
morning



Marlin Harms

Blooming Period: May-June



Three-cornered onion

Allium triquetrum

ALLIACEAE - Onion Family



David Chipping



David Chipping

Description: From bulb. Stem to 40 cm, three-angled. 2-3 leaves

Habitat: Disturbed areas. Garden escapee

Flowers: 3-15 flowers on 15-25 mm pedicels, inflorescence 1-sided

Blooming Period: March-April



Fairy lanterns

Calochortus albus

LILIACEAE - Lily Family



David Chipping

Description: Stem 20-80 cm, basal leaves 30-70 cm, 2-6 cauline leaves 5-25 cm

Habitat: Shaded woods

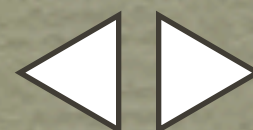
Flowers: Nodding with closed perianth, subspherical to oblong. Petals 20-25 mm

Blooming Period: April-June



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Star-zigadene

Toxicoscordion fremontii

MELANTHIACEAE - Zigadene Family

Description: From bulb, stem to 90 cm. Leaves 20-50 cm long, 8-30 mm wide

Flowers: In open raceme or panicle. Perianth rotate; parts 5–15 mm, each with a shiny gland at base

Habitat: Grassland, chaparral



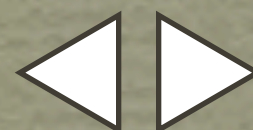
David Chipping

Blooming Period: February-June



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Coastal California buckwheat

Eriogonum fasciculatum var. *fasciculatum*

POLYGONACEAE - Buckwheat Family

Description: Shrub to 15 dm. Leaves less than 2 cm, narrow and in bundles along stem.

Habitat: Chaparral

Flowers: Many, small (2.5–3 mm long), in a stalked, branched array of head-like groups of small umbel-like flower clusters.

Perianth parts white to pink with darker midveins

Blooming Period: All year



David Chipping





Coastal buckwheat

Eriogonum parvifolium

POLYGONACEAE - Buckwheat Family

Description:

Woody perennial shrub. Leaves are short, fleshy, and triangular with hairy undersides.

Habitat: Open shrubland, chaparral

Flowers: Many, small (2.5–3 mm long), in a head-like or few-branched array of small umbel-like flower clusters. Perianth parts white to pink with darker midveins

Blooming Period:

All year



David Chipping

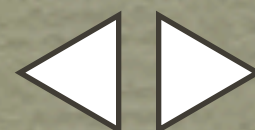


David Chipping



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Yarrow

Achillea millefolium

ASTERACEAE - Sunflower Family

Daisy
flowers

Description:

Perennial with
strong scent,
10-200 cm tall.

Alternate 3-
pinnately dissected
hairy leaves that
clasp stems. Many
stems growing
from rhizome

Habitat: Open areas

Flowers: Flat topped
clusters, 5-8 short ray
flowers, many white to
purple disk flowers

Blooming Period:
April-September



David Chipping

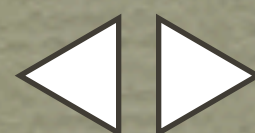


David Chipping



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Mayweed, Dog-fennel

Anthemis cotula

ASTERACEAE - Sunflower Family

Description: Annual with strong scent, to 6 cm tall. 3-pinnately dissected leaves

Habitat: Disturbed areas

Flowers: 10-15 ray flowers, 100-300 yellow disk flowers

Blooming Period: April-August



George Butterworth



George Butterworth



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California-aster

Corethrogyne filaginifolia

ASTERACEAE - Sunflower Family

Description:

Perennial herb or subshrub. Leaves small, alternate, toothed, gray-hairy

Habitat:

Grasslands, scrubland, woodland openings

Flowers: Heads c. 2 cm diameter, rays flowers white to violet, disk flowers yellow



Marlin Harms



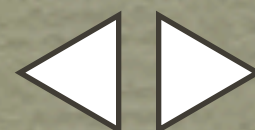
Marlin Harms

Blooming Period: June-September



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Common horseweed

Erigeron canadensis

ASTERACEAE - Sunflower Family

Description:

Annual to 2 m.

Stem erect, leafy,
branched. Narrow,
tapered, bristly
leaves, bright
green

Habitat: Open
disturbed areas

Flowers: Heads in panicle-like
clusters, involucre 3-4 mm,
24-45 ray flowers
inconspicuous, 1-3 mm long,
7-30 disk flowers

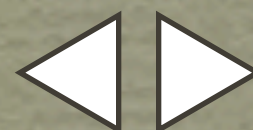
Blooming Period: All year



David Chipping



David Chipping



Santa Barbara daisy

Erigeron karvinskianus

ASTERACEAE - Sunflower Family

Description:

Perennial to 100 cm. Stem erect to sprawling, slightly hairy.

Cauline leaves 1-5 cm, elliptical to ovate, entire or with 1-2 pairs of acute teeth



David Chipping

Habitat: Open disturbed areas

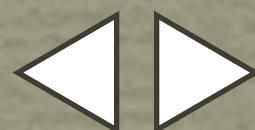
Flowers: 1-5 heads with long peduncles. Involucre 2.5-3.5 mm, 45-80 ray flowers 5-8 mm long, 8-25 disk flowers

Blooming Period: April-August



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Hayfield tarweed

Hemizonia congesta subsp. luzulifolia

ASTERACEAE - Sunflower Family

Daisy
flowers



David Chipping

Description: Annual to 80 cm. Stem erect, leafy, branched. Lower leaves narrow, tapered, with appressed silky hairs, gray-green, upper smaller, bright green, glandular, scented

Habitat: Grassland

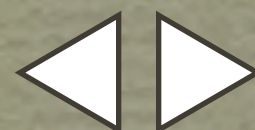
Flowers: Heads in panicle-like clusters, 5-11 ray flowers 5-12 mm long, 5-60 disk flowers, corolla 3-5 mm. Anthers dark purple

Blooming Period: March-December



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Common tidytips

Layia platyglossa

ASTERACEAE - Sunflower Family



David Chipping

Description: Annual, 10-70 cm with dark anthers, to 70 cm. Leaves linear to lanceolate, the lower leaves \pm shallowly lobed

Habitat: Coastal terrace grassland

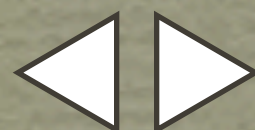
Flowers: 2-4 cm diameter. Ray flowers yellow with white tips, disk flowers yellow, anthers dark purple

Blooming Period: March-June



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Pearly everlasting

Anaphalis margaritacea

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Perennial up to 1 m tall with erect stems from rhizome. Leaves 3 veined, clasping, 3-10 cm long

Habitat: Pine forest

Flowers: Discoid heads, white phyllaries, yellow disk flowers

Blooming Period: July-October



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Biennial wormwood

Artemisia biennis

ASTERACEAE – Sunflower Family

Disk
Flowers



David Chipping



David Chipping

Description: Annual or biennial to 20 dm, stem finely striated, leaves 4-13 cm, unscented, 2-pinnate

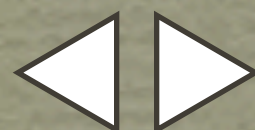
Habitat: Stream bottom, disturbed ground

Flowers: Heads many, small, disciform. Disk flowers 15–40

Blooming Period: July-November

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California sagebrush

Artemisia californica

ASTERACEAE – Sunflower Family

Description:

Shrub to 25 dm,
leaves scented
when crushed,
1-10 cm, thread
like, or 1-2
pinnately divided to
linear segments



David Chipping

Habitat:

Shrublands, dune
scrub

Flowers: Flowers
greenish-white,
aging to brown.
Heads many, 3–4
mm, nodding



Marlin Harms

Blooming Period: August-October



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Mugwort

Artemisia douglasiana

ASTERACEAE – Sunflower Family



David Chipping



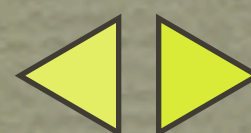
David Chipping

Description: Perennial to 25 dm, leaves scented when crushed, green on top, whitish below, elliptical to lanceolate, entire to lobed

Habitat: Open areas and semi-shade

Flowers: Heads 3-4 mm, flowers greenish-white, aging to brown

Blooming Period: August-October



Marsh baccharis

Baccharis glutinosa

ASTERACEAE – Sunflower Family

Description:

Rhizomatous
perennial <2 m.
Leaves
resinous, sticky,
lanceolate, to
130 cm

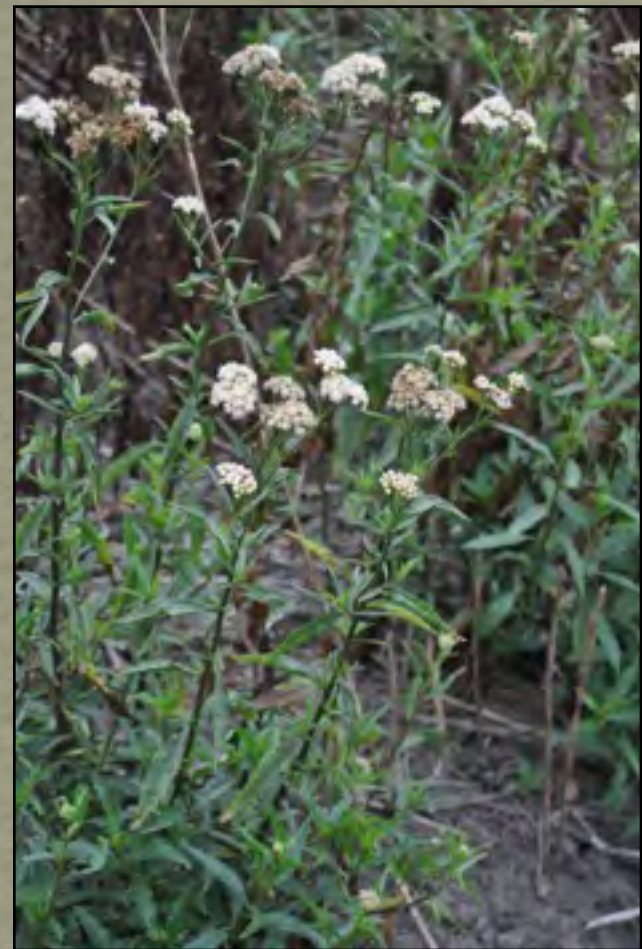


David Chipping

Habitat: Ephemeral and
permanent wetlands

Flowers: Heads in dense
terminal, flat-topped clusters,
male and female on different
plants

Blooming Period:
April-October



David Chipping



Coyote Bush

Baccharis pilularis

Disk
Flowers

ASTERACEAE – Sunflower Family

Description: Erect woody shrub up to 4.5 m tall. Many branches. Leaves sessile, to 40 mm long, obovate, glabrous, resinous, sticky

Habitat: Chaparral, grassland

Flowers: Corolla male plants 2.5-3.5 mm, female plants 3-4 mm with 3-4 mm pappus

Blooming Period: July-December



David Chipping



David Chipping

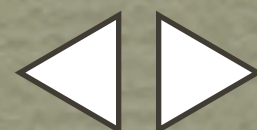


David Chipping



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Mule-fat, Seep-willow

Baccharis salicifolia

ASTERACEAE – Sunflower Family

Disk
Flowers



David Chipping

Description: Erect shrub to 4 m, often sticky. Few branches. Leaves sessile, to 150 mm long, lance-elliptical

Habitat: Riparian

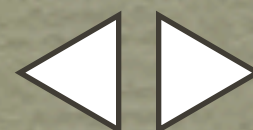
Flowers: Inflorescence heads in terminal flat topped cluster, also smaller lateral clusters.

Blooming Period: All year



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Bicolored everlasting

Pseudognaphalium bioletti

ASTERACEAE - Sunflower Family



National Park Service: Public Domain

Description: Scented perennial to 12 dm tall. Stem glabrous near base, hairy above. Leaves uncrowded, oblong to oblanceolate, base clasping, hairy below, bright green above

Habitat: Dry slopes, chaparral and woodland

Flowers: Flat topped inflorescence, heads many, small, crowded, phyllaries white

Blooming Period: April-June





California everlasting

Pseudognaphalium californicum

ASTERACEAE - Sunflower Family

Description:

Scented perennial or annual up to 13 dm tall. Leaves 4-10 cm long, sticky, lanceolate and bright green on both sides



Brad Seek

Habitat: Dry slopes, chaparral and woodland

Flowers: Compact and rounded inflorescence, heads many, small, crowded



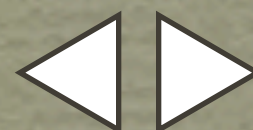
David Chipping

Blooming Period: April-July



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Jersey cudweed

Pseudognaphalium luteoalbum

ASTERACEAE - Sunflower Family

Description:

Introduced
unscented annual
up to 6 dm tall.
Leaves 1-6 cm
long, linear, and
white hairy on
both sides



Wikimedia CC BY-SA 3

Habitat: Dried
wetlands, disturbed
ground



David Chipping

Flowers: Long peduncled inflorescence,
heads many, small, crowded, silver-gray

Blooming Period: April-August



Pink everlasting

Pseudognaphalium ramosissimum

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Scented biennial up to 15 dm tall. Leaves 3-7 cm long, linear to lanceolate, green on both sides, extending down stem without clasping

Habitat: Coastal scrub

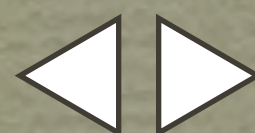
Flowers: Panicle-like inflorescence, heads many, small, involucre 4–6 mm

Blooming Period: March-June



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Cotton-batting everlasting

Pseudognaphalium stramineum

ASTERACEAE - Sunflower Family



David Chipping

Description: Unscented annual or biennial up to 8 dm tall. Leaves 2-8 cm long, oblong to lanceolate, hairy, color on both sides nearly the same, extending down stem,

Habitat: Grassland, old dunes

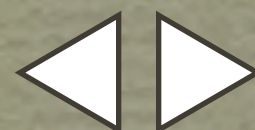
Flowers: Dense cyme-like cluster, heads many, small, involucre 4–6 mm

Blooming Period: March-August



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Spanish-clover

Acmispon americanus var. americanus

FABACEAE - Pea Family



David Chipping

Description: Hairy annual, prostrate to erect, to 6 dm. Leaves pinnate, 3 lanceolate to elliptical leaflets 10-20 mm

Habitat: Disturbed areas, sandy dry soils, chaparral

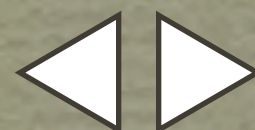
Flowers: Calyx 2.5-6.5 mm, corolla 5-9 mm, white to pink

Blooming Period: May-October



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Miniature deervetch

Acmispon parviflorus

FABACEAE - Pea Family

Description:

Glabrous annual, ascending to erect, to 4 dm. Leaves irregular-pinnate to palmate. 3-5 leaflets 4-12 mm

Habitat: Shaded woodland

Flowers: Calyx 1.5-2.5 mm, corolla 4-6 mm, not opening. Petals white or pink

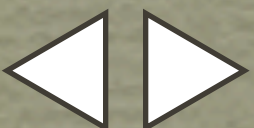
Blooming Period: March-May



David Chipping



David Chipping





Ocean bluff locoweed

Astragalus nuttallii

FABACEAE - Pea Family



Marlin Harms

Description: Prostrate or decumbent perennial; stems 2–10 dm. Many branches. Leaves pinnate, up to 17 cm long, up to 21-43 leaflets with axial notch, obovate, 3-25 mm long. 2 varieties recorded in Park. *Var. nuttallii* has hairy leaf top, *var. virgatus* has glabrous leaf top. Fruit a papery bladder

Habitat: Coastal terrace

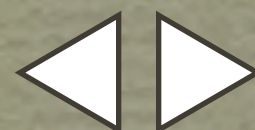
Flowers: Petals cream 10-15 mm, recurved

Blooming Period: All year



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Dense-flowered chick lupine

Lupinus microcarpus var. *densiflorus*

FABACEAE - Pea Family

Description:

Annual to 8 dm,
variable
hairyness.

Habitat:

Grassland, areas
of poor soil,
disturbed areas,
roadsides

Flowers: 8-18
mm long, whorled
on stem, locally
white or yellowish



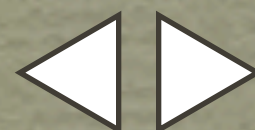
Marlin Harms

Blooming Period: April-June



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White sweet-clover

Melilotus albus

FABACEAE - Pea Family

Pea
Flowers

Description: Annual to 2 m. Branches many, ascending. Leaves odd 1-pinnate, 3 leaflets, 1-2.5 cm, with toothed margins

Habitat: Generally close to wetlands

Flowers: Corolla 3.5-5 mm, recurved. Inflorescence a slender raceme to 8 cm

Blooming Period: May-September



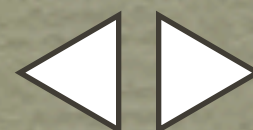
David Chipping



David Chipping

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White clover

Trifolium repens

FABACEAE - Pea Family

Description:

Sprawling
glabrous
perennial,
reflexed in age.
Leaflets equal,
0.5-2.5 cm, ovate

Habitat:

Disturbed
areas,
roadsides

Flowers:

Inflorescence 1-2.5
cm wide. Flowers
white



Ivar Leidus Wikipedia Commons CC BY-SA 4.0



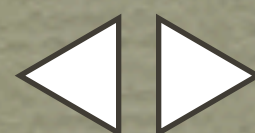
Joe Papp Wikipedia Commons CC BY-SA 3.0

Blooming Period: February-December



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Subterranean clover

Trifolium subterraneum

FABACEAE - Pea Family

Description: Hairy annual, prostrate to creeping. Leaflets 10-15 mm, obovate. Peduncle in fruit curving downward, growing into ground, burying bur-like fruit cluster

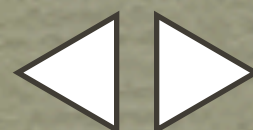
Habitat: Grassland

Flowers: Inflorescence head-like, 1 cm wide. Calyx tube with purple band on top

Blooming Period: March-April



David Chipping



Fuller's teasel

Dipsacus sativus

DIPSACACEAE - Teasel Family



David Chipping

Description: Biennial to 2 m, erect

Habitat: Disturbed areas, moist soil

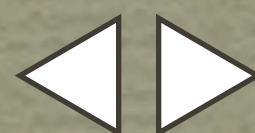
Flowers: Inflorescence ovoid, spiny.
Flowers form rings around head. Involucral
bracts erect or upcurved

Blooming Period: April-August



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Hooded ladies' tresses

Spiranthes romanzoffiana

ORCHIDACEAE - Orchid Family

Description:

Perennial, to 30 cm, in spike.

Leaves basal, linear-lanceolate to elliptical

Habitat: Winter-wet areas in forest

Flowers: In dense spiral spike. Flower petals 8-12 mm, flowers in spiral

Blooming Period:
May-September

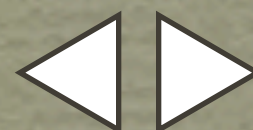



David Chipping



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San Luis Obispo owl's-clover

Castilleja densiflora subsp. obispoensis

OROBANCHACEAE - Broomrape Family

Description:

Annual to 40 cm,
partially parasitic on
roots of other
plants. Spike-like
inflorescence,
leaves 20-80 mm,
linear

Habitat: Grassland
on coastal terrace

Flowers: Corolla
10-25 mm

Blooming Period:
March-June



David Chipping

Black mustard

Brassica nigra

BRASSICACEAE -Mustard Family

4 Petals



David Chipping



Franz Eugen Köhler, *Köhler's Medizinal-Pflanzen*
Public Domain

Description: Introduced annual to 4 m tall. Leaves pinnately lobed on petioles, with small hairs, wavy dentate. Distal cauline leaves short-petioled. Fruits appressed to axis of raceme



Santa Monica
Mountains National
Recreation Area Public
Domain

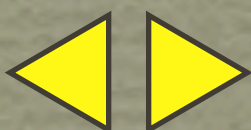
Habitat: Disturbed areas

Flowers: In racemes. Petals 7-11 mm

Blooming Period: April-June

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Field mustard

Brassica rapa

BRASSICACEAE -Mustard Family

4 Petals

Description:

Introduced annual to 10 dm tall. Leaves pinnately lobed on petioles, with small hairs, wavy dentate. Distal cauline leaves sessile, clasping. Fruits spreading from axis of raceme



David Chipping

Habitat: Disturbed areas

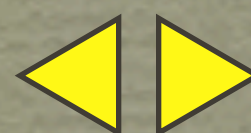
Flowers: In racemes. Petals 5-10 mm

Blooming Period: April-September



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Short-pod mustard

Hirschfeldia incana

BRASSICACEAE -Mustard Family

Description: Annual to perennial, 4-15 dm. Stem with reflexed hairs. Many stemmed. Fruit erect, appressed against stem. Leaves pinnately lobed (1-6 pairs) in basal rosette, hairy. Stem leaves sessile

Habitat: Disturbed areas

Flowers: In racemes. Petals 5–10 mm. Fruits erect, appressed to axis of raceme

Blooming Period: April-October



David Chipping

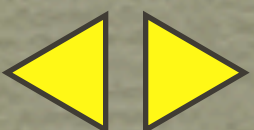


David Chipping



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Charlock mustard

Sinapis arvensis

BRASSICACEAE -Mustard Family

4 Petals



© Hectonichus: Wikimedia Commons CC BY-SA 3.0

Description: Annual, 2-10 dm. Stem with reflexed hairs. Leaves pinnately lobed (1-4 pairs), 4-18 cm, obovate. Fruit ascending

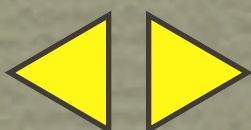
Habitat: Disturbed areas

Flowers: In racemes. Petals 9-12 mm

Blooming Period: March-May

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Tumble mustard

Sisymbrium altissimum

BRASSICACEAE -Mustard Family

4 Petals



Dcrjsr -© CC BY 3.0 Wikipedia Commons



Jean Pawek: Public Domain

Description:

Annual to 12 dm.

Branched distally.

Fruit with pedicels spreading. Leaves pinnately lobed

Habitat: Disturbed areas

Flowers: Petals 6-8 mm

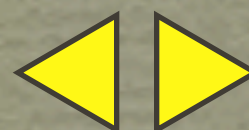
Blooming Period:
May-July



David Chipping

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Bristly evening-primrose

Oenothera elata var. *hirsutissima*

4 Petals

ONAGRACEAE - Evening Primrose Family

Description: Erect hairy biennial from taproot. Leaves oblong to lanceolate or oblanceolate, 25–52 mm. Fruit a woody capsule



David Chipping

Habitat: Moist soils, Santa Rosa Creek

Flowers:

Inflorescence a spike. Petals 25-52 mm



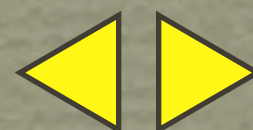
David Chipping

Blooming Period:
June-September



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Sun cups

Taraxia ovata

ONAGRACEAE - Evening Primrose Family



David Chipping

Description: Low-growing perennial from taproot. Leaves elliptical to 150 mm, all basal

Habitat: Grassland, upper coastal terrace

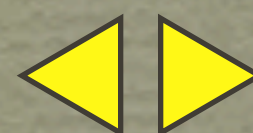
Flowers: Petals 8-23 mm, borne on long, stalk-like floral tube. Fruit an underground capsule.

Blooming Period: March-June



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California poppy

Eschscholzia californica

PAPAVERACEAE - Poppy Family



David Chipping

Description: Annual or perennial to 60 cm from taproot. Stems tufted or sprawling

Habitat: Open areas

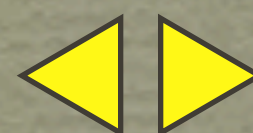
Flowers: Receptacle with disk-like rim below petals. Petals pale yellow-orange, 20–60 mm

Blooming Period: February-September



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4 Petals

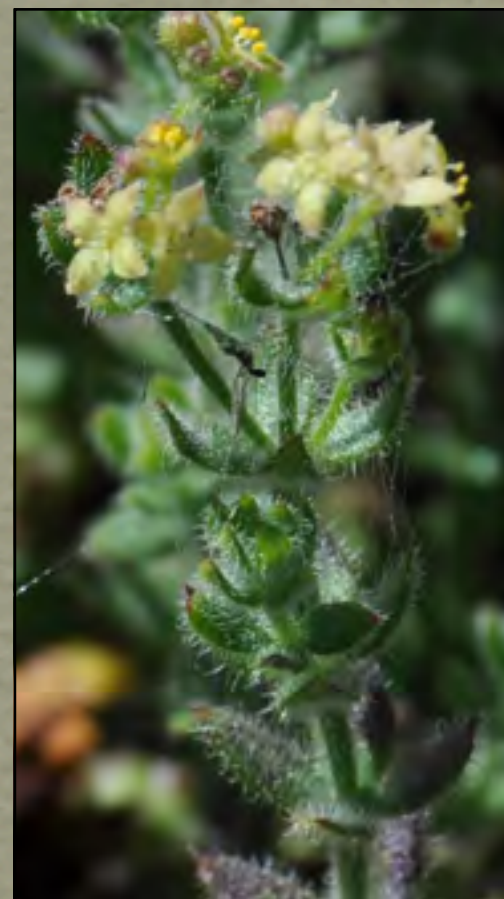
California bedstraw

Galium californicum

RUBIACEAE -Bedstraw Family



David Chipping



David Chipping

Description: Tufted perennial herb from rhizome, small leaves

Habitat: Areas of semi-shade

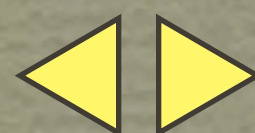
Flowers: Pale yellow, small

Blooming Period: March-July



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Climbing bedstraw

Galium porrigens

RUBIACEAE -Bedstraw Family

4 Petals

Description:

Small leaves in whorls of 4. Tends to climb on other plants. Weak-stemmed subshrub with slender branches supported by other plants



David Chipping

Habitat: Areas of semi-shade or open brushland

Flowers: Pale yellow, small



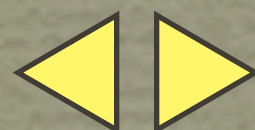
David Chipping

Blooming Period: March-June



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New Zealand-spinach

Tetragonia tetragonoides

AIZOACEAE - Carpet Weed Family

5 Petals
or Lobes

Description:

Sprawling annual with many prostrate stems. Leaves 2–5 cm, fleshy, with tiny bead-like papillae. Fruit black, hard, angular, knobby



David Chipping

Habitat: Adjacent to ocean



David Chipping

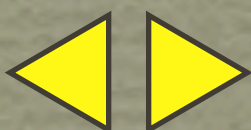
Flowers: Very small, in leaf axils

Blooming Period: April-September



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Fennel

Foeniculum vulgare

APIACEAE - Celery Family



David Chipping



David Chipping

Description: Introduced perennial, to 2 m. Leaves finely dissected, licorice scented

Habitat: Disturbed areas, trailside



David Chipping

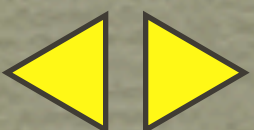
Flowers: Compound umbels, peduncled, with wide petals.

Blooming Period: May-September



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Lance-leaved dudleya

Dudleya lanceolata

CRASSULACEAE - Stonecrop Family

5 Petals
or Lobes



Marlin Harms



Marlin Harms

Description: Perennial. Basal rosette of fleshy leaves, several rosettes together. Elongate stem

Habitat: Rocky outcrops and soils

Flowers: Petals 10-16 mm, bright yellow, sometimes red on the outside

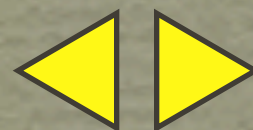
Blooming Period: April-July

This plant is similar to *D. caespitosa* (not shown). The tops of leaves in *D. lanceolata* are flatter than those of *D. caespitosa*, but there appears to be hybridization



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Yellow wood-sorrel

Oxalis corniculata

OXALIDACEAE - Oxalis Family

5 Petals
or Lobes



David Chipping

Description: Leaves trifoliate, round clover-like leaflets, 4 cm long clover-like, with 3 leaflets, dull green or purplish, finely hairy; petioles 1–7 cm

Habitat: Disturbed areas, trailside

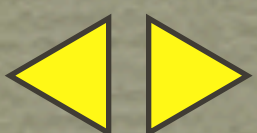
Flowers: Petals oblong to spoon-shaped, 4–8 mm. Fruit a small, many-seeded capsule

Blooming Period: All year



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Bermuda-buttercup

Oxalis pes-caprae

OXALIDACEAE - Oxalis Family

5 Petals
or Lobes



David Chipping



Marlin Harms

Description: Perennial from bulb, spreading by dispersed light brown bulblets. Leaves clover-like with 3 leaflets, bright green, \pm glabrous; petioles 10–25 cm. Invasive pest

Habitat: Disturbed areas, trailside

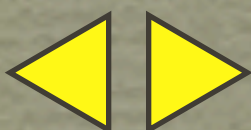
Flowers: Petals 20–25 mm. Fruits never formed

Blooming Period: January-May



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Pilose wood-sorrel

Oxalis pilosa

OXALIDACEAE - Oxalis Family

5 Petals
or Lobes



David Chipping

Description: Native perennial from taproot. Creeping stem, does not root at nodes. Leaves trifoliate, clover-like leaflets with 3 leaflets, hair covered, about 1 cm long, petioles 1-6 cm

Habitat: Chaparral, coastal scrub

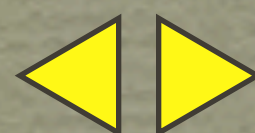
Flowers: Petals 8-12 mm. Fruit a small, many-seeded capsule

Blooming Period: February-September



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Common purslane

Portulaca oleracea

PORTULACACEAE - Purslane Family

5 Petals
or Lobes



© Jeff S Kleinman Wikimedia Commons (CC BY-SA 4.0)

Description: Spreading fleshy annual, leaves obovate to spoon-shaped, 3-30 mm, entire

Habitat: Disturbed soil

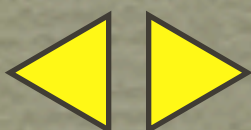
Flowers: Solitary or in small terminal or axillary clusters. Sepals 2, green to red, petals 5, 3–5 mm. Top of capsule falls off, revealing many tiny black seeds

Blooming Period: April-October



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5 Petals
or Lobes

Pacific silverleaf

Potentilla anserina subsp. pacifica

ROSACEAE - Rose Family



David Chipping

Description: Stoloniferous perennial.

Leaves to 50 cm pinnate, 5-10 leaflets per side, dark green above, silver-hairy below

Habitat: Coastal wetlands, usually brackish

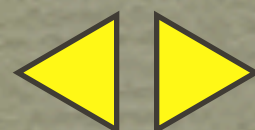
Flowers: Solitary, long-stalked. Petals 7-10 mm

Blooming Period: March-October



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Tree tobacco

Nicotiana glauca

SOLANACEAE - Nightshade Family



David Chipping

Description: Shrub to small tree, rangy structure. Leaves 5-20 cm, ovate

Habitat: Disturbed ground

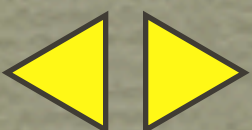
Flowers: Calyx 10 mm, corolla 30-35 mm, tubular

Blooming Period: April-August



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Sharp-toothed sanicle

Sanicula arguta

APIACEAE - Celery Family

5 Tiny Petals
in Umbels



David Chipping

Description: 10-50 cm perennial. Leaves pinnately to subpalmately 3–7-lobed, the segments sharply toothed, central leaf division long compared to others

Habitat: Open areas in chaparral, grassland

Flowers: In an umbel of head-like clusters.

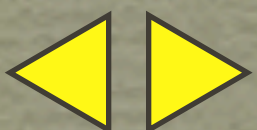
Fruits with stout curved prickles

Blooming Period: March-April

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Common sanicle

Sanicula crassicaulis

APIACEAE - Celery Family

5 Tiny Petals
in Umbels

Description:

Taprooted perennial,
25–120 cm tall.

Leaves palmately
lobed , central leaf
division same length
as others, less serrated
leaf margins than *S.*
laciniata. Stems branch
higher than base

Habitat: Chaparral,
woodland

Flowers: In an umbel of
head-like clusters. Fruits
with stout curved prickles

Blooming Period: March-May



David Chipping

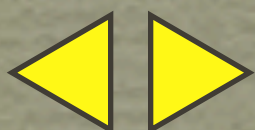


David Chipping



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Cutleaved sanicle

Sanicula laciniata

APIACEAE - Celery Family

5 Tiny Petals
in Umbels

Description:

Taprooted perennial, 10–50 cm tall. Leaves palmately 3–7-lobed, the segments sharply toothed, central leaf division same length of others, more serrated leaf margins than *S. crassicaulis*. Stems branch near base



David Chipping

Habitat: Open areas in chaparral, grassland, pine woods



David Chipping

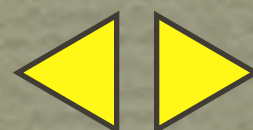
Flowers: Umbel of head-like clusters. Fruits with slender, swollen-based, curved prickles

Blooming Period: March-May



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Twinberry

5 Lobes
in 2 Lips

Lonicera involucrata var. *ledebourii*

CAPRIFOLIACEAE - Honeysuckle Family



David Chipping



David Chipping

Description: Erect shrub to 3.5 m. Leaves opposite, 4–8 cm

Habitat: Riparian

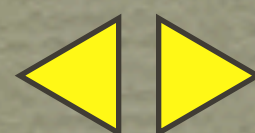
Flowers: Flowers sessile in peduncled 2-flowered clusters that are subtended by red, papery bracts; corolla tubular, 12-18 mm. Fruit a pair of black berries

Blooming Period: May-June



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Devils claw

Proboscidea lutea

5 Lobes
in 2 Lips

MARTYNIACEAE - Unicorn Plant Family



© Misolonax Wikimedia Commons (CC BY-SA 4.0)

Description: Stout annual, densely glandular-hairy. Stems fleshy. Leaves alternate, long-petioled, round, deeply notched

Habitat: Open disturbed ground

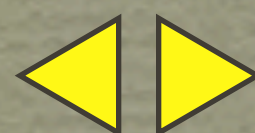
Flowers: Inflorescence few-many flowered. Calyx 1-2 cm, 5-lobed, corolla 3-5 cm long. Fruit a long, curved capsule tapered to a pair of sharp hooks

Blooming Period: March-June



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5 Lobes
in 2 Lips

Common bush monkeyflower

Diplacus aurantiacus var. *aurantiacus*

PHRYMACEAE - Lopseed Family

Description:

Shrub, multiple stems to 150 cm. Leaves to 80 mm, elliptical to linear, sticky, edges rolled under



David Chipping

Habitat: Open areas in chaparral, coastal scrub on marine, pine and oak woods



David Chipping

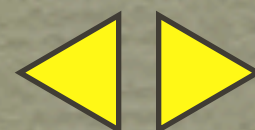
Flowers: Solitary in leaf axils. Corolla tube 26-38 mm, 5 broad lobes. Color yellow to orange

Blooming Period: March-June



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5 Lobes
in 2 Lips

Common monkeyflower

Erythranthe guttata

PHRYMACEAE - Lopseed Family



David Chipping



David Chipping

Description: Annual, 2-150 cm. Leaves to 12 cm, ovate to round

Habitat: Riparian, in stream bed

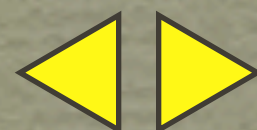
Flowers: Raceme with several flowers. Pedicel to 80 mm. Lobes unequal, upper lobe of 2 fused petals, lower lobe with 3 fused petals, with red spots

Blooming Period: March-August



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Round-leaved fluellin

Kickxia spuria

PLANTAGINACEAE - Plantain Family

5 Lobes
in 2 Lips



Wikipedia Public Domain

Description: Much branched, decumbent annual. Leaves alternate

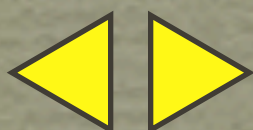
Habitat: Disturbed areas

Flowers: 5 calyx segments, upper lip deep purple, lower lip yellow, corolla 10-15 mm

Blooming Period: July-December

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Johnny-jump-up

Viola pedunculata

VIOLACEAE - Violet Family

5 Lobes
in 2 Lips

Description: Low growing perennial to 49 cm, many decumbent to erect stems. Leaves simple, deltate to ovate



David Chipping

Habitat: Open areas in chaparral, grassland

Flowers:
Resembles a pansy. Yellow, upper two petals brownish underneath, lower three petals veined dark brown



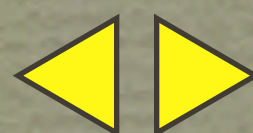
David Chipping

Blooming Period: February-April



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5 Petals.
Coils

Northern seaside fiddleneck

Amsinckia spectabilis var. *spectabilis*

BORAGINACEAE - Borage Family



Marlin Harms

Description: Annual with succulent, finely toothed leaves

Habitat: Coastal terrace, sandy soil

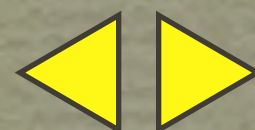
Flowers: In coil, larger than those of *A. menziesii*, 5 calyx lobes, partly fused, corolla 7-19 mm

Blooming Period: April-June



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Common goldenstar

Bloomeria crocea var. *aurea*

THEMIDACEAE - Brodiaea Family

6 Petals

Description:

Perennial from corm, to 70 cm high

Habitat: Open, sunny grassland

Flowers: 6 petals, yellow with brown stripe

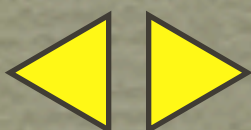
Blooming Period: April-June



David Chipping

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Central coast tarweed

Deinandra corymbosa

ASTERACEAE - Sunflower Family

Daisy
flowers



David Chipping

Description: Annual to 10 dm. Proximal leaves pinnately lobed

Habitat: Grasslands on coastal terrace

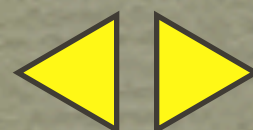
Flowers: Heads in tight clusters, 15-35 ray flowers, 24-70 disk flowers. Anthers red-purple. Phyllaries stalked, glandular.

Blooming Period: March-November



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Common golden-yarrow

Daisy
flowers

Eriophyllum confertiflorum var. *confertiflorum*

ASTERACEAE - Sunflower Family

Description:

Perennial shrub to 2-7 dm. Multiple stems hairy.

Leaves grey-green, alternate, 2-pinnately compound, undissected, 1-5 cm

Flowers: Flat-topped heads of 3-20 flowers, 1 cm across, each with 0-6 ray flowers, 10-30 disk flowers, 4-6 involucre bracts

Habitat: Open, sunny, usually rocky sites

Blooming Period: January-July



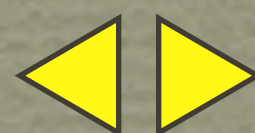
David Chipping



David Chipping

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Coastal golden-yarrow

Eriophyllum staechadifolium

ASTERACEAE - Sunflower Family

Daisy
flowers

Description:

Small perennial shrub to 3-15 dm.

Stems hairy.

Leaves greyish, hairy, 3-5 lobes, 2-pinnately

compound, dissected, 3-7 cm

Habitat:

Coastal edges

Flowers: Heads of 3-20 flowers, tiny ray flowers, 30-40 disk flowers, 8-12 involucral bracts

Blooming Period: April-August



David Chipping

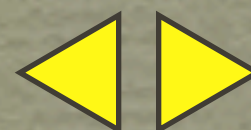


David Chipping



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Western goldenrod

Euthamia occidentalis

ASTERACEAE - Sunflower Family

Daisy
flowers

Description:

Perennial to 2 dm from rhizome. Stems smooth.

Leaves narrow, linear, sessile, lacking teeth or lobes, 10 cm or less



Brad Seek

Habitat: Wetland edges

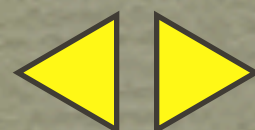
Flowers: Inflorescence flat-topped or panicle-like, resinous. 15-28 ray flowers, 1.5-2.5 mm long, 6-18 disk flowers, corolla 3-4 mm

Blooming Period: July-November



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Treasureflower

Gazania linearis

ASTERACEAE - Sunflower Family



David Chipping

Description: Mat-forming or clumping perennial garden escapee. Leaves have long, winged petioles in basal rosettes, oval, dark green upper side, woolly below

Habitat: Usually adjacent to houses

Flowers: Heads to 8 cm wide, to 20 yellow-orange ray flowers, dark red disk flowers

Blooming Period: All year



California gumplant

Grindelia hirsutula

ASTERACEAE - Sunflower Family

Daisy
flowers



Marlin Harms

Description: Perennial, 1-10 dm, erect to decumbent. Leaves sessile, 1-15 cm, fleshy

Habitat: Grasslands, close to bluffs

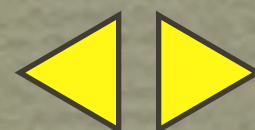
Flowers: Involucre 10-45 mm, bell shaped, resinous with white sap. Head subtended by leaf-like bracts. 20-60 ray flowers, 12-20 mm, disk flowers in yellow corolla

Blooming Period: All year



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Rosilla

Helenium puberulum

ASTERACEAE - Sunflower Family

Description: Annual to 16 dm with dark anthers. Stem winged, leaves oblanceolate

Habitat: Wetlands

Flowers: Head hemispherical, 9-17 mm diameter, 0-15 ray flowers, 300-500 disk flowers

Blooming Period:
June-August

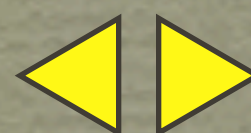


David Chipping



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Salty susan

Faumea carnosa

ASTERACEAE - Sunflower Family

Description:

Prostrate to climbing perennial from stolons, rhizomes. Leaves narrow, fleshy

Habitat: Salt marsh

Flowers: 3-10 ray flowers, 1-5 mm long, 20-50 disk flowers, corolla yellow, 6-7 mm

Blooming Period: April-December



David Chipping

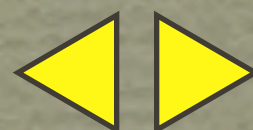


David Chipping



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Perennial goldfields

Lasthenia californica subsp. macrantha

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Low growing annual or perennial to 40 cm. Leaves simple, oblong to linear, fleshy

Habitat: Grassland, coastal bluffs

Flowers: 6-16 ray flowers, 5-18 mm. Disk flowers many. Pappus of four opaque white scales

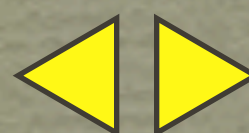
Note: *Lasthenia californica subsp. californica* is nearly identical, but has pappus of 1-7 clear, brown scales

Blooming Period: February-June



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Common tidytips

Layia platyglossa

ASTERACEAE - Sunflower Family



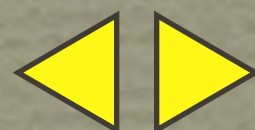
David Chipping

Description: Annual, 10-70 cm with dark anthers, to 70 cm. Leaves linear to lanceolate, the lower leaves \pm shallowly lobed

Habitat: Coastal terrace grassland

Flowers: 3 cm diameter. Ray flowers white with yellow tips, disk flowers yellow, anthers dark purple

Blooming Period: March-June





Coast tarweed

Madia sativa

Daisy
flowers

ASTERACEAE - Sunflower Family



David Chipping



David Chipping



David Chipping

Description: Upright annual to 1 m. Stem usually single, glandular-hairy. Leaves 2-18 cm, oblong to linear. Plant sticky and scented, stem hairy and glandular throughout

Habitat: Open and disturbed sites. Trailside

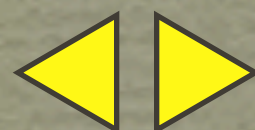
Flowers: Heads in spike-like clusters, involucre sticky, glandular, hairy . Ray flowers compressed, disk flowers with black anthers

Blooming Period: May-October



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California goldenrod

Solidago velutina subsp. californica

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Perennial to 15 dm. Leaves grey-green, hairy, to 14 cm near stem base, smaller higher

Habitat: Woodland margins

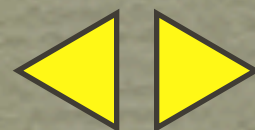
Flowers: Inflorescence pyramidal or wand shaped, ray flowers 6-11, disk flowers 6-17

Blooming Period: May-November



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Creteweed

Hedypnois rhagadioloides

ASTERACEAE - Sunflower Family

Description:

Annual with milky sap. Leaves 5-18 cm, oblong, tapered at base, herbage bristly



David Chipping

Habitat:

Grassland

Flowers: 8-40
ligules



David Chipping

Blooming Period:
February-June



Bristly ox-tongue

Helminthotheca echioides

ASTERACEAE - Sunflower Family

Description:

Annual with milky sap. Leaves with rigid hairs, bumps on surface, 5-20 cm, oblong, toothed



David Chipping

Habitat:

Grassland, disturbed areas



David Chipping

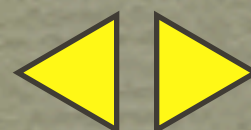
Flowers: 2-4 cm diameter, terminal and in axils

Blooming Period: All year



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Smooth cat's-ear

Hypochaeris glabra

ASTERACEAE - Sunflower Family

Description:

Introduced annual
to 6 dm. Multiple
stems. Leaves
2-10 cm, basal,
lanceolate,
shallowly lobed or
smooth edged,
purplish near veins



David Chipping

Habitat:

Disturbed areas,
open and shaded
locations

Flowers: Many
5-8 mm ligules,
phyllaries purple-
tipped



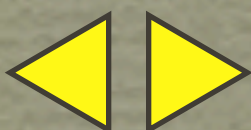
David Chipping

Blooming Period: March-June



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Hairy cat's ear

Hypochaeris radicata

ASTERACEAE - Sunflower Family

Description:

Introduced
perennial to 1-8
dm. Multiple
stems. Leaves
6-25 cm, basal,
lanceolate,
shallowly lobed,
hairy stem



David Chipping

Habitat: Disturbed
areas, open and shaded
locations

Flowers: Many 10-15
mm ligules

Blooming Period:
April-July

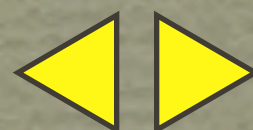


David Chipping



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Prickly sow-thistle

Sonchus asper susp. *asper*

ASTERACEAE - Sunflower Family

Description:

Introduced annual to 12 dm. Multiple stems.

Basal leaves, sessile, bluish-green, cauline leaves clasping stem and rounded at clasp.

Milky sap

Habitat: Slightly moist disturbed areas

Flowers: Many.
flowers may be in flat-topped groups

Blooming Period:
All year



Photos: Santa Monica Mountains National Recreation Area, NPS, Public Domain

Common sow-thistle

Sonchus oleraceus

ASTERACEAE - Sunflower Family



Santa Monica Mountains National Recreation Area, NPS, Public Domain



David Chipping

Description: Introduced annual to 12 dm. Multiple stems. Basal leaves, sessile, bluish-green, cauline leaves clasping stem and pointed at clasp. Milky sap

Habitat: Slightly moist disturbed areas

Flowers: Many. Flowers may be in flat-topped groups

Blooming Period: All year

Feverfew

Tanacetum parthenium

ASTERACEAE - Sunflower Family

Description: Perennial to 80 cm. Erect to ascending, branched. Stem glabrous below, hairy above. Leaves 1-2 pinnate

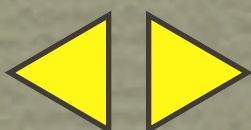
Habitat: Woodland, disturbed areas. Garden escapee, probable waif

Flowers: 5-20 radiate heads. 9-21 ray flowers, 2-8 mm long, corolla 2-2.5 mm

Blooming Period: June-August



Mary Winter: Public Domain



Common dandelion

Taraxacum officinale

ASTERACEAE - Sunflower Family



David Chipping

Description: Introduced perennial to 6 dm. 1 to many stems. Many basal leaves, petiole narrowly winged. Milky sap

Habitat: Slightly moist disturbed areas

Flowers: Many. Flowers on purple tinted stems

Blooming Period: All year



Pearly everlasting

Anaphalis margaritacea

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Perennial subshrub to 6 dm. Multiple stems, densely covered in white hairs. Leaves 1-3 cm, three-veined, edges rolled under

Habitat: Shaded areas

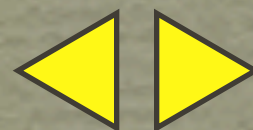
Flowers: White bracts surround yellow staminate or pistillate flowers

Blooming Period: July-October



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California brickellbush

Brickellia californica

ASTERACEAE - Sunflower Family

Disk
flowers



National Park Service: Public Domain



David Chipping

Description: Shrub to 2 m. Multiple branched from base. Leaves to 100 mm, ovate to serrate, base truncate, tip acute to rounded

Habitat: Dry rocky areas

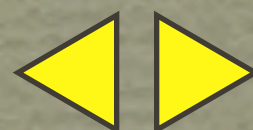
Flowers: Pale yellow, heads in panicle-like cluster, 8-18 in a head, involucre cylinder-like, corolla 5.5-8 mm

Blooming Period: July-December



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Tocalote

Centaurea melitensis

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Annual to 10 dm. Single stems. Leaves narrow, hairy

Habitat: Disturbed areas, grassland, under oaks

Flowers: Corolla 10-12 mm, sharp spines below flower

Blooming Period: April-July

Brass buttons

Cotula coronopifolia

ASTERACEAE - Sunflower Family

Description:

Annual to 40 cm.
Stems prostrate
to erect. Leaves
sessile to 7 cm,
linear to
lanceolate



David Chipping

Habitat:

Wetlands, winter-
wet areas



David Chipping

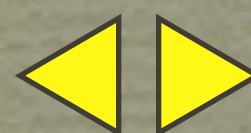
Flowers: Corolla
yellow, 12-200 disk
flowers

Blooming Period:
March-December



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Cape ivy

Delairea odorata

ASTERACEAE - Sunflower Family



David Chipping



Marlin Harms

Description: Perennial sweet scented vine. Multiple green to purple stems. Leaves palmate, 5-9 lobed

Habitat: Riparian and semi-shaded areas

Flowers: No ray flowers, disk flowers 8-45 in terminal cyme-like clusters

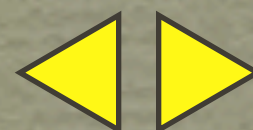
Blooming Period: November-March

Note: A major pest



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Pacific cudweed

Disk
flowers

Gamochaeta ustulata (*Gnaphalium purpureum*)

ASTERACEAE - Sunflower Family



David Chipping

Description: Annual or short-lived perennial to 40 cm. Stems white, felty. Leaves basal and cauline, sides contrast in color

Flowers: Corolla yellow, 4-6 disk flowers

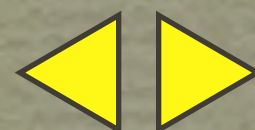
Habitat: Open grassland

Blooming Period: April-July



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Saw-tooth goldenbush

Hazardia squarrosa var. *squarrosa*

ASTERACEAE - Sunflower Family

Description: Low perennial shrub to 3-20 dm. Multiple stems. Leaves toothed, leathery, sessile

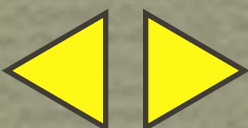
Habitat: Open areas

Flowers: No ray flowers, disk flowers 9-30, outwardly curved involucre bract tips. Flowers brown with age



David Chipping

Blooming Period: August-October





Coast goldenbush

Isocoma menziesii var. *vernonioides*

ASTERACEAE - Sunflower Family



David Chipping



David Chipping

Description: Low perennial shrub to 5 dm. Multiple stems. Leaves with hairs

Habitat: In mats, ocean bluffs

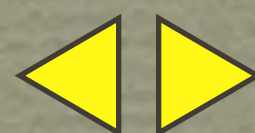
Flowers: No ray flowers, disk flowers 15-28, erect involucre bract tips. Flowers yellow with age

Blooming Period: June-December



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Common pineapple-weed

Matricaria discoidea

ASTERACEAE - Sunflower Family

Disk
flowers



David Chipping

Description: Aromatic annual to 40 cm.
Leaves 2-3 pinnately lobed, highly dissected

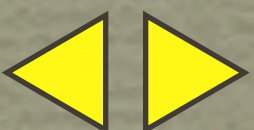
Habitat: Disturbed areas

Flowers: No ray flowers, disk flowers in
cone-shaped head

Blooming Period: February-August

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Australian fireweed

Senecio glomeratus

ASTERACEAE - Sunflower Family

Disk
flowers

Description: Annual to 20 dm. 1-several stems. Leaves pinnately lobed, 3-15 cm, linear to lanceolate

Habitat: Disturbed areas

Flowers: Discoid flower heads in flat topped clusters, involucre cylinder-like



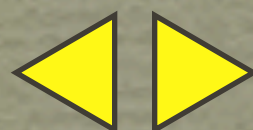
David Chipping

Blooming Period: April-September



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Common groundsel

Senecio vulgaris

ASTERACEAE - Sunflower Family

Disk
flowers



David Chipping

Description: Annual to 60 cm. Leaves lobed to toothed to 10 cm, ovate to oblanceolate, tapered to petiole

Habitat: Disturbed areas

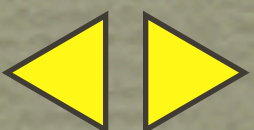
Flowers: Discoid flower heads in flat topped clusters, 55-65 disk flowers

Blooming Period: February-July



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Shortpod deervetch

Acmispon brachycarpus

FABACEAE - Pea Family



David Chipping

Description: Annual, fleshy leaves. ashy-green, hairy, subpinnate or palmate.

Habitat: Bare and rocky soils

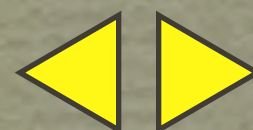
Flowers: Corolla 5-9 mm, yellow aging to red, lobes > tube

Blooming Period: March-June



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Woolly deer-vetch

Acmispon heermanii var. *orbicularis*

FABACEAE - Pea Family



David Chipping

Description: Native perennial, low spreading with grey, hairy leaves. Leaves irregularly subpalmate

Habitat: Pine woodland

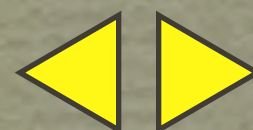
Flowers: Calyx 5-6 mm, inflorescence 3-8 flowered

Blooming Period: March-October



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French broom

Genista monspessulana

FABACEAE - Pea Family



David Chipping

Description: Invasive shrub to 3 m, young twigs silky-hairy. Leaflets oblanceolate to obovate, 10-15 mm

Habitat: Pine forest, disturbed areas

Flowers: Racemes short on short shoots, with 4-10 flowers. Calyx 5-7 mm, silky hairy, banner 10-15 mm

Blooming Period: March-June



Harlequin lotus

Hosackia gracilis

FABACEAE - Pea Family



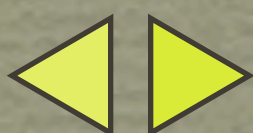
David Chipping

Description: Sprawling to 5 dm. 3-7 leaflets, 6-20 mm, elliptical or obovate

Habitat: Openings in pine forest

Flowers: Inflorescence 3-9 flowered. Calyx 5-6 mm, corolla 10-16 mm, banner yellow, wings pink to purple

Blooming Period: March-July



Bird's-foot trefoil

Lotus corniculatus

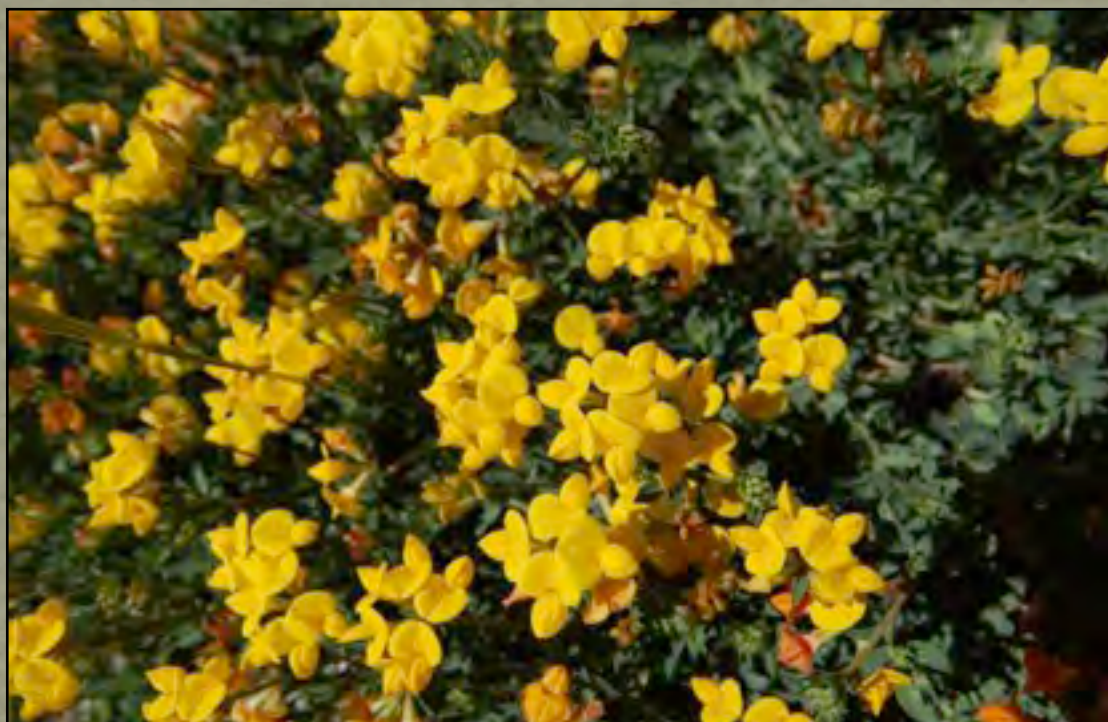
FABACEAE - Pea Family

Description:

Introduced
perennial to 30 cm.
Stems decumbent
to erect. 5 ovate
to obovate leaflets

Habitat: Open
chaparral,
trailsides, moist soil

Flowers: Many
and thickly
clustered. Calyx
5-7.5 mm, corolla
10-14 mm



David Chipping



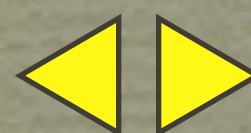
David Chipping

Blooming Period: June-September



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Spotted bur-clover

Medicago arabica

FABACEAE - Pea Family

Pea
flowers



David Chipping

Description: Annual, sprawling, to 4 dm. Leaves pinnate, leaflets 1-2.5 mm, obcordate, purple spotted. Fruit loosely coiled, 4-6 turns

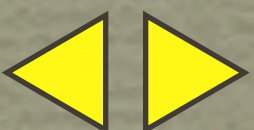
Habitat: Disturbed ground

Flowers: Corolla 4-5 mm, calyx 2-2.5 mm, inflorescence 2-4 flowered

Blooming Period: March-June

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Common bur-clover

Medicago polymorpha

FABACEAE - Pea Family

Pea
flowers



David Chipping



Common Ringlet on dried bur: David Chipping

Description: Annual to 50 cm.

Stems decumbent to erect, sprawling to 5 dm. Leaflets 10-20 mm, wedge-shaped. Fruit tightly coiled, prickly

Habitat: Grassland, trailside

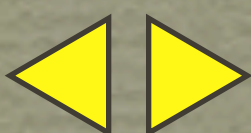
Flowers: Corolla 3.5-6 mm, calyx 3 mm, inflorescence 2-6 flowered

Blooming Period: March-July



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Annual sweet-clover

Melilotus indicus

FABACEAE - Pea Family

Pea
flowers

Description:

Annual, erect to spreading up to 60 cm. Leaflets 1-2.5 cm, elliptical-oblong to obovate, sharply dentate



David Chipping

Habitat: Grassland, disturbed areas

Flowers: Corolla 2.5-3 mm, calyx 1-1.5 mm

Blooming Period:
April-October

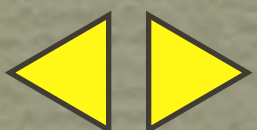


Marlin Harms



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Little hop clover

Trifolium dubium

FABACEAE - Pea Family



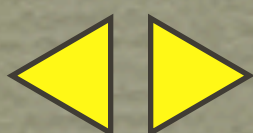
I. Kenraiz © CC BY-SA 3.0

Description: Annual, slightly hairy, decumbent to erect. Leaf 1-pinnate, leaflets 0.6-1.2 cm, obovate

Habitat: Disturbed areas

Flowers: Inflorescence spike-like. Corolla 3.5-4 mm, calyx 1-2 mm

Blooming Period: April-October



Highway iceplant

Carpobrotus edulis

AIZOACEAE- Iceplant Family

Many
Petals



David Chipping

Description: Sprawling perennial, forming extensive mats. Stems to 3m. Leaves widest below middle, fleshy, sharp-triangular in cross section

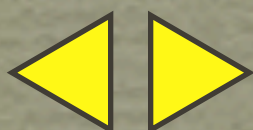
Habitat: Many areas, especially dunes

Flowers: 8-10 cm diameter, pedicelled, petals 3-4 cm

Blooming Period: All year

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California buttercup

Ranunculus californicus

Many
Petals

RANUNCULACEAE - Buttercup Family

Description:

Waxy-petalled native perennial to 70 cm. Stems erect or decumbent, leafless. Basal leaves variable, often multi-lobed



David Chipping

Habitat: Grassland on rocky soils, trailside



David Chipping

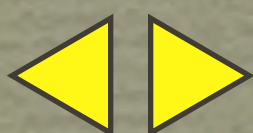
Flowers: 2 cm wide, many waxy petals

Blooming Period: March-August



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Coast Indian paintbrush

Castilleja affinis subsp. affinis

OROBANCHACEAE - Broomrape Family

Other
Flowers



David Chipping



David Chipping

Description: Perennial, few branched to 50-60 cm. Leaves lanceolate 30-80 mm.

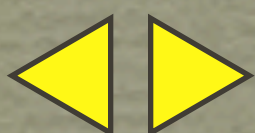
Habitat: Trailside, chaparral and coastal scrub

Flowers: Tiny yellow tubes. Calyx 4-lobed with bilateral symmetry. Bracts are usually bright red and vary through orange to yellow

Blooming Period: March-June

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Prostrate clarkia

Clarkia prostrata

ONAGRACEAE - Evening Primrose Family

4 Petals
or Lobes



David Chipping

Description: Prostrate to decumbent <5 dm, slightly hairy. Leaves sessile, 1-2.5 mm

Habitat: Grassland close to coastal bluff

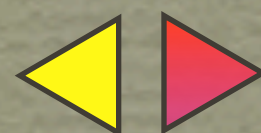
Flowers: Corolla bowl shaped. Petals fan shaped to obovate, 10-15 mm

Blooming Period: May-July



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California fuchsia

Epilobium canum subsp. canum

ONAGRACEAE - Evening Primrose Family

4 Petals
or Lobes



Marlin Harms

Description: Perennial to 12 dm. Leaves linear to lanceolate., green to gray-hairy

Habitat: Pine forest

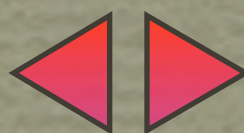
Flowers: Fuchsia-like, pistil much longer than stamens

Blooming Period: June-December



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Santa Lucia gooseberry

Ribes sericeum

5 Petals
or Lobes

GROSSULARIACEAE - Gooseberry Family



David Chipping

Description: Shrub to 2 m height. Stem with 3 nodal spines, stems densely hairy, leaves 2-4 cm, glabrous above, hairy underneath

Habitat: Chaparral and woodland

Flowers: 1-3 flowers grouped, sepals reflexed and purple, petals white, anthers exceed petals, subequal to styles

Blooming Period: December-April



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Fuchsia-flowered gooseberry

Ribes speciosum

GROSSULARIACEA - Currant Family

4 Petals
or Lobes



David Chipping

Description: Perennial shrub, summer deciduous. Leaves leathery, 1-3 cm. Stems densely spined and bristled

Habitat: Open, sunny areas in chaparral

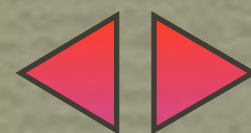
Flowers: Pendant, resembling fuchsia flowers. 4 sepals and petals, both red and 4-5 mm , red filaments exceeding petals

Blooming Period: January-May



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Creeping snowberry

Symphoricarpos mollis

CAPRIFOLIACEAE - Honeysuckle Family

5 Petals
or lobes



David Chipping



Marlin Harms



David Chipping

Description: Sprawling shrub, stems to 6 dm. Leaves soft and hairy

Habitat: Open and shaded areas

Flowers: 4 mm, bell shaped, swollen on one side, pink to red

Blooming Period: April-May



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Indian pink

Silene laciniata subsp. laciniata

CARYOPHYLLACEAE - Pink Family



David Chipping

Description: Perennial to 70 cm. Leaves narrow, oblanceolate, reduced upward. Stems lightly hairy

Habitat: Open, sunny areas in chaparral

Flowers: Sticky to touch, calyx 10-veined, 4-6 generally exserted stamens

Blooming Period: Spring-Summer



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Red flax

Linum grandiflorum

LINACEAE - Flax Family



Wikimedia Pubic Domain: Cambridge University Garden

Description: Glabrous annual to 60 cm.
Leaves 10-20 mm, lanceolate

Habitat: Grassland. Garden escapee, may not be established

Flowers: Petals 16-30 mm, bright red, turning dark blue why dried

Blooming Period: April-July



Common loosestrife

Lythrum hyssopifolia

LYTHRACEAE - Lossestrife Family

5 Petals
or Lobes



David Chipping



Marlin Harms

Description: Annual to 6 dm, lower branches ascending to erect. Lower leaves opposite and elliptical, upper alternate and linear

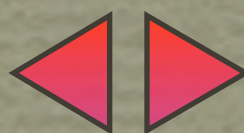
Habitat: Wetlands

Flowers: Generally pink to rose, petals variable from 4-6

Blooming Period: April-October

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Cheeseweed

Malva parviflora

MALVACEAE - Mallow Family

5 Petals
or Lobes

Description:

Annual, prostrate to ascending, to 8 dm, leaves to 8 cm wide, 5-7 angled to lobed. Bractlets thread like



Habitat:

Disturbed areas

Flowers: Calyx 3 mm. Petals 3-5 mm

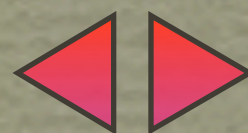


Blooming Period:
March-May

Both Photos: Santa Monica Mountains National
Recreation Area, NPS, Public Domain

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Cretan mallow

Malva pseudolavatera

MALVACEAE - Mallow Family

5 Petals
or Lobes



David Chipping

Description: Annual, prostrate to ascending, to 8 dm, leaves 4-10 cm wide, 5-7 angled to lobed. Bractlets lanceolate to ovate

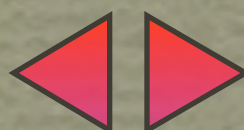
Habitat: Disturbed areas

Flowers: Calyx 4 mm. Petals 1-1.6 mm.

Blooming Period: April-June

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Red maids

Calandrinia menziesii

MONTIACEAE - Miner's Lettuce Family

5 Petals
or Lobes

Description:

Native annual,
low, spreading.
Leaves lanceolate
to 10 cm



David Chipping

Habitat:

Trailsides

Flowers: Petals
4-15 mm, 3-15
stamens



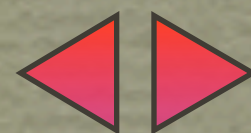
David Chipping

Blooming Period:
February-May



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Scarlet pimpernel

Lysimachia arvensis

MYRSINACEAE - Myrsine Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Introduced annual , spreading to 40 cm. Leaves opposite or whorled to 5-20 mm

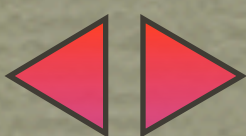
Habitat: Trailside, disturbed ground, in well lit locations but often under shrubs

Flowers: More salmon than scarlet, rarely dark blue. On 1-3 cm pedical, calyx 3-5 mm, equal to, or smaller than corolla

Blooming Period: March-May

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Water smartweed

Persicaria amphibia

POLYGONACEAE - Buckwheat Family



Marlin Harms



David Chipping

Description: Rhizomatous perennial, prostrate to erect to 120 cm. Leaves ovate to elliptical, blade to 15 cm

Habitat: May be present, Santa Rosa Creek

Flowers: Inflorescence a terminal spike to 150 mm. Flowers 4-6 mm, bell-shaped

Blooming Period: June-November





Thrift

5 Petals
or Lobes

Armeria maritima subsp. californica

PLUMBAGINACEAE - Leadwort Family

Description:

Rhizomatous perennial, erect to 30 cm. Many narrow sessile, leaves 6-12 cm

Habitat: Coastal terrace close to ocean bluff

Flowers:

Inflorescence <2cm wide. Calyx 10-ribbed

Blooming Period:

February-September



David Chipping

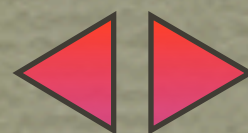


David Chipping



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California wild rose/ Coast ground rose

5 Petals
or Lobes

Rosa californica / *Rosa spithamea*

ROSACEAE - Rose Family

Description: Vine to shrub, stems thorny. Two species very similar, *R. californica* has glabrous hypanthium, thick-based prickles, *R. spithamea* has stalked, glandular hypanthium, slender prickles

Habitat: Coastal scrub, chaparral

Flowers: *R. californica* petals 14-25 mm, *R. spithamea* 10-15 mm

Blooming Period:
Spring, summer



David Chipping

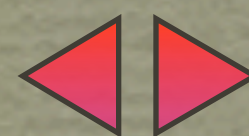


David Chipping



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Rambling rose

Rosa "hybridum"

ROSACEAE - Rose Family



David Chipping

Description: Sprawling vines over other plants. One extensive site on East Ranch floodplain between Santa Rosa Creek and Ramsey trails

Habitat: Horticultural escapee

Flowers: Bright pink-red , multipetal

Blooming Period: Summer



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Garden nasturtium

Tropaeolum majus

TROPAEOLACEAE - Nasturtium Family



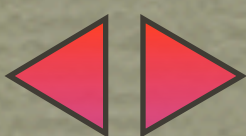
David Chipping

Description: Annual to perennial, sprawling or climbing.

Habitat: Escapee from gardens

Flowers: 2.5-6 cm diameter. Color varies between bright red and bright yellow

Blooming Period: March-June





Twinberry

Lonicera involucrata var. *ledebourii*

CAPRIFOLIACEAE - Honeysuckle Family

5 Lobes
in 2 Lips



David Chipping



David Chipping

Description: Perennial shrub, many climbing branches to 36 dm. Leaves opposite, elliptical to ovate, with acute tips 4-8 cm. Fruit in pairs, black berry, 6-10 mm

Habitat: Riparian

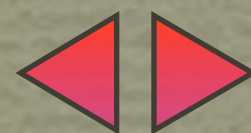
Flowers: Paired. Peduncle 12-30 mm, corolla cylindrical, hairy, to 12-18 mm tips of petals rolled back, stamens and stigma not exserted, yellow tinged red. Papery red bracts below flower

Blooming Period: May-June



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Hummingbird sage

Salvia spathacea

LAMIACEAE - Mint Family

5 Lobes in
2 Lips



David Chipping



David Chipping

Description: Rhizomatous perennial to 2 dm. Leaves 8-2- cm, hairy, with pleasant odor

Habitat: Generally in semishade under shrubs

Flowers: Red to salmon, 25-35 mm corolla tube

Blooming Period: March-May

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Marsh hedge-nettle

Stachys ajugoides

LAMIACEAE - Mint Family

5 Lobes in
2 Lips

Description:

Perennial, stem decumbent. Soft hairy leaves 1.5-7 cm, wedge-shaped, tips rounded



David Chipping

Habitat:

Wetlands

Flowers: Distinct whorls with 3-6 flowers. Tube 6-8 mm



David Chipping

Blooming Period:
June-September



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Coast hedge-nettle

Stachys bullata

LAMIACEAE - Mint Family

5 Lobes in
2 Lips

Description: Soft hairy perennial. Leaves 3-18 cm, ovate, glandular



David Chipping

Habitat: Pine forest

Flowers: Whorls with flower upper lip 4-5 mm long, lower 7mm long



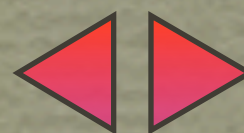
David Chipping

Blooming Period: March-September



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Scarlet monkeyflower

Erythranthe cardinalis

PHRYMACEAE - Lopseed Family

5 Lobes
in 2 Lips



David Chipping



Marlin Harms

Description: Hairy perennial to 80 cm. Leaves oblong to ovate, upper clasping stem

Habitat: Near streams. Infrequent

Flowers: 5 equal lobes, 4-5 mm. Pedicel 50-80 mm. Two lips, upper lip arched forward, lower lip reflexed

Blooming Period: May-September

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Foxglove

Digitalis purpurea

PLANTAGINACEAE - Plantain Family



Franz Köhler: Pubic Domain, Wikipedia



Brad Seek

Description: Biennial to 18 dm. Grey, hairy stem. Leaves 10-40 cm, lanceolate to ovate, green above, grey hairy below

Habitat: Woodland. Infrequent

Flowers: In 1-sided raceme. Corolla 40-60 mm, white to purple with dark spots on lower interior surface

Blooming Period: May-July





California figwort

Scrophularia californica

SCROPHULARIACEAE - Figwort Family



Marlin Harms



David Chipping



David Chipping

Description: Perennial to 120 cm. Leaves 8-17 cm, opposite, nettle-like

Habitat: Semi-shade, scrub

Flowers: Calyx lobes green, 4-5 mm, corolla inflated, 8-12 mm. 4 yellow stamens

Blooming Period: March-July





Spanish clover

Acmispon americanus var. americanus

FABACEAE - Pea Family



David Chipping

Description: Hairy annual, prostrate to erect, to 6 dm. Leaves pinnate, 3 lanceolate to elliptical leaflets 10-20 mm

Habitat: Disturbed areas, sandy dry soils, chaparral

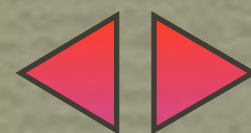
Flowers: Calyx 2.5-6.5 mm, corolla 5-9 mm, lobes >>tube

Blooming Period: May-October



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Miniature deervetch

Acmispon parviflorus

FABACEAE - Pea Family

Pea
Flowers

Description:

Glabrous annual, ascending to erect, to 4 dm. Leaves irregular-pinnate to palmate. 3-5 leaflets 4-12 mm



David Chipping

Habitat: Shaded woodland

Flowers: Calyx 1.5-2.5 mm, corolla 4-6 mm, not opening. Petals white or pink



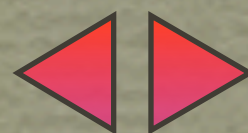
David Chipping

Blooming Period: March-May



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Tangier sweet-pea

Lathyrus tingitanus

FABACEAE - Pea Family



David Chipping

Description: Annual, stem winged. 2 lanceolate leaflets, 2-6 cm, lanceolate to ovate

Habitat: Disturbed areas, horticultural escapee

Flowers: Inflorescence open, 2-3 flowered, calyx tube > lobes, corolla 25-30 mm

Blooming Period: April-July



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Pacific sweet-pea

Lathyrus vestitus var. *vestitus*

FABACEAE - Pea Family



Marlin Harms



Marlin Harms

Description: Perennial, stem angled. 8-12 leaflets, 2-4.5 cm. Tendrils branched, coiled

Habitat: Spring moist grassland

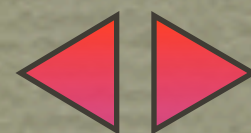
Flowers: Inflorescence 8-15 flowered. Banner bent at right angles

Blooming Period: February-July



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Chaparral pea

Pickeringia montana var. *montana*

FABACEAE - Pea Family



Marlin Harms

Description: Shrub, flowers appearing before leaves on fresh growth. Thorny. Leaves evergreen, obovate, 1-2 cm

Habitat: Chaparral

Flowers: Calyx 5-7 mm, barely lobed. Corolla 1.5-1.8 cm, purple-magenta

Blooming Period: May-August



American vetch

Vicia americana subsp. americana

FABACEAE - Pea Family



David Chipping

Description: Perennial, sprawling to climbing to 1m. 8-16 widely elliptical, acute-tipped leaflets

Habitat: Open moist areas, along streams

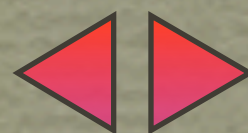
Flowers: Usually on one side of axis. 3-9 flowers, calyx attachment oblique, lobes unequal, with lower lobe larger

Blooming Period: March-June



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Common vetch

Vicia sativa subsp. sativa

FABACEAE - Pea Family

Description:

Non-native annual, decumbent to spreading to 60 cm. 8-14 acute tipped leaflets, 4-10 mm wide with length 2-6 x width

Habitat: Open and disturbed areas

Flowers: 1-3 flowers in cluster, corolla 18-30 mm

Blooming Period: March-June



David Chipping

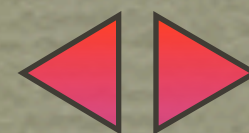


David Chipping



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Sea-fig

Carpobrotus chilensis

AIZOACEAE - Iceplant Family



David Chipping

Description: Sprawling perennial, forming extensive mats. Leaves fleshy, round-triangular in cross section

Habitat: Close to shore, dunes

Flowers: 3-5 cm diameter, sessile

Blooming Period: All year



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Hummingbird fuchsia

Fuchsia magellanica

ONAGRACEAE - Evening Primrose Family

Description: Garden escapee. Shrub can grow to 3.0 m

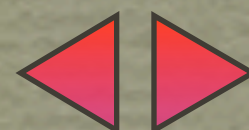
Habitat: Observed in Santa Rosa Creek

Flowers: Drooping, tubular flowers with prominent stamens



Wikipedia Commons CC BY-SA 3.0

Blooming Period: Spring





Indian paintbrush

Castilleja affinis subsp. affinis

OROBANCHACEAE - Broomrape Family



David Chipping



David Chipping

Description: Perennial, few branched to 50-60 cm. Leaves lanceolate 30-80 mm

Habitat: Trailside, chaparral and coastal scrub

Flowers: Tiny yellow tubes. Calyx 4-lobed with bilateral symmetry. Bracts are usually bright red and vary through orange to yellow

Blooming Period: March-June





Wide-leaved owl's clover

Castilleja exserta subsp. *latifolia*

OROBANCHACEAE - Broomrape Family



David Chipping

Description: Multi-branched root parasite to 45 cm. Leaves to 50 mm with 5-9 thread-like lobes

Habitat: Pine woods

Flowers: Calyx 10-20 mm, Tip of corolla beak hooked, 6-7 mm, hairy. Lower lip 4-6 mm

Blooming Period: March-May



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Banana poka

Passiflora tarminiana

PASSIFLORACEAE - Passion flower Family

Description: High climbing vine with hairy stems and petioles. The leaves are three-lobed and hairy below but usually hairless above

Habitat: Santa Rosa Creek

Flowers: The flowers solitary, pendant. Pale green hypanthium 6-8 cm, sepals and petals are 3-6 cm long, pink and perpendicular to the floral tube, or reflexed.

Blooming Period:
March-May



David Keil



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European sea rocket

Cakile maritima

BRASSICACEAE - Mustard Family

4 Petals
or Lobes



David Chipping



David Chipping

Description: Non native annual to perennial, erect or sprawling to 8 dm. Leaves pinnate. Fruit conical and terminal (a similar species, *C. edulenta* is seldom seen and has leaves with curly edges)

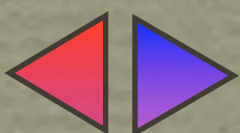
Habitat: Beach, dunes

Flowers: Petals to 14 mm

Blooming Period: April-June

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Wild radish

Raphanus sativus

BRASSICACEAE - Mustard Family

4 Petals
or Lobes



David Chipping

Description: Non native weedy annual to 13 dm. Leaves usually pinnately divided, to 60 cm long. Seed pods not deeply pinched between seeds (cf. *R. raphanistrum*)

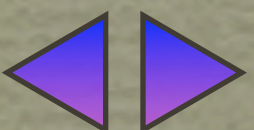
Habitat: Disturbed, open areas

Flowers: Petals to 25 mm, narrow at base

Blooming Period: May-July

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Miniature owl's clover

Triphysaria pusilla

OROBANCHACEAE - Broomrape Family

4 Petals
or Lobes

Description: Tiny brown-green annual to 20 cm, leaves 5-30 mm, 3-9 lobed, decumbent-branched from base



David Chipping

Habitat: Grassland

Flowers: Equally 4-lobed, corolla 4-7mm, purple to yellow

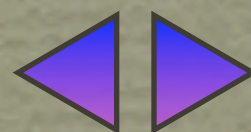
Blooming Period:
April-June



David Chipping

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Water speedwell

Veronica anagallis-aquatica

PLANTAGINACEAE - Plantain Family

4 Petals
or Lobes



David Chipping

Description: Perennial to 60 cm, rhizomatous & rooting from nodes, leaves sessile, 20-80 mm, elliptical to ovate

Habitat: Wetlands

Flowers: Corolla 5-10 mm wide, lavender to blue

Blooming Period: May-September



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Greater periwinkle

Vinca major

APOCYNACEAE - Dogbane Family

5 Petals
or Lobes



David Chipping

Description: Perennial, sprawling and re-rooting from stems, shiny leaves

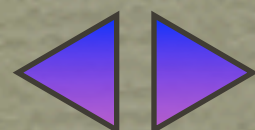
Habitat: Shaded understory. Considered an invasive pest, escaped from gardens

Flowers: Corolla 3-5 cm wide, funnel-shaped

Blooming Period: Most of year

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Small Venus looking-glass

5 Petals
or Lobes

Triodanis biflora

CAMPANULACEAE - Bellflower Family



Craig Cunningham

Description: Annual to 40 cm. Stem 4-angled. Leaves to 15 mm, serrate

Habitat: Pine forest

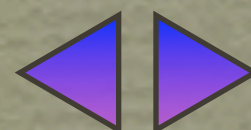
Flowers: In axils of bracts, corolla 5-9 mm

Blooming Period: April-June



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Seaside sand-spurrey

Spergularia macrotheca var macrotheca

CARYOPHYLLACEAE - Pink Family

5 Petals
or Lobes

Description:

Native perennial,
stout stemmed,
leaves fleshy,
sticky to touch

Habitat: Saline
soils

Flowers: 7-10
stamens, sepals
fused

**Blooming
Period:**
Spring-Fall



David Chipping

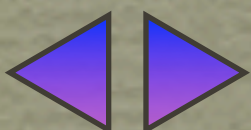


Marlin Harms



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Purple sand-spurrey

Spergularia rubra

CARYOPHYLLACEAE - Pink Family

5 Petals
or Lobes



David Chipping



David Chipping

Description: Non native annual to short-lived perennial, short and delicate to 6 cm, sprawling horizontally. Leaves in axillary clusters of 2 to 4, barely fleshy and may be tipped with small spines

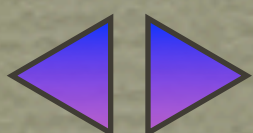
Habitat: Disturbed, open areas

Flowers: 6-10 stamens, sepals fused

Blooming Period: Spring-Fall

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5 Petals
or Lobes

Alkali heath

Frankenia salina

FRANKENIACEAE - Frankenia Family



David Chipping

Description: Matted perennial, prostrate to 3 m. Leaves leathery, 4-ranked, opposite, 4-15 mm, salt encrusted, weakly rolled under

Habitat: Saltmarsh

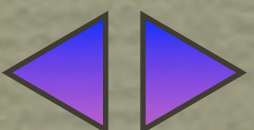
Flowers: Petals 6-14 mm

Blooming Period: April-September



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Storkbill filaree

Erodium botrys

GERANIACEAE - Geranium Family

5 Petals
or Lobes



David Chipping



David Chipping



David Chipping

Description: Short, hairy annual, prostrate to ascending to 9 dm. Leaves lobed to dissected, lower leaves to 15 cm. Style column to 12 cm

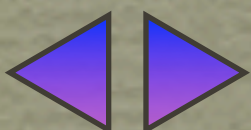
Habitat: Disturbed, dry, open areas

Flowers: 8-11 mm

Blooming Period: March-July

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Shortfruit storkbill filaree

5 Petals
or Lobes

Erodium brachycarpum

GERANIACEAE - Geranium Family



David Chipping

Description: Annual, ascending to 6 dm. Leaves lobed, 7-11 mm wide. Lobes themselves lobed to dissected. Style column 5-8 cm

Habitat: Disturbed, dry, open areas

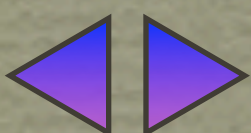
Flowers: 8-11 mm

Blooming Period: March-July



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Redstem filaree

Erodium cicutarium

GERANIACEAE - Geranium Family

5 Petals
or Lobes



David Chipping

Description: Annual to 5 dm. Leaves pinnately compound to 10 cm. Style column to 3 cm

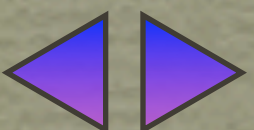
Habitat: Disturbed, dry, open areas, grassland

Flowers: 3-5 mm.

Blooming Period: February-September

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Greenstem filaree

Erodium moschatum

GERANIACEAE - Geranium Family

5 Petals
or Lobes

Description:

Annual or
biennial to 6 dm.
Leaves
compound to 15
cm. Style
column to 4 cm



David Chipping

Habitat:

Disturbed areas,

Flowers: 6-9 mm.



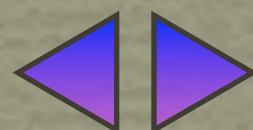
David Chipping

Blooming Period: February-September



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Cut-leaved geranium

Geranium dissectum

GERANIACEAE - Geranium Family

5 Petals or
Lobes

Description:

Introduced
annual, ascending
to erect, 7dm.
Leaves dissected,
segment ends
acute



David Chipping

Habitat: Semi-
shaded areas,
trailside

Flowers: Pedicel
6-13 mm, petals
2.9-5.8 mm



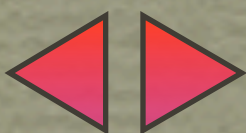
Marlin Harms

Blooming Period: March-July



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Gooseberry-geranium

Pelargonium grossularioides

GERANIACEAE - Geranium Family

5 Petals
or Lobes

Description:

Prostrate or sprawling annual, to 5 dm. Leaf lobed or dissected. Strongly scented like coconut



South African Natural Biodiversity Institute

Flowers: Petals unequal, generally striped, 3-50 flowers in inflorescence, flower <1 cm wide



Public Domain

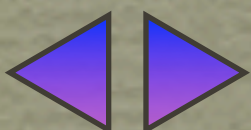
Habitat: Disturbed areas

Blooming Period: April-July



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California sea-lavender

Limonium californicum

PLUMBAGINACEAE - Leadwort Family

5 Petals
or Lobes



Marlin Harms



Marlin Harms

Description: Erect perennial to 35 cm, branched from base. Leaves 5-15 cm long, to 6 cm wide, oblong to ovate

Habitat: Upper tide areas of shore

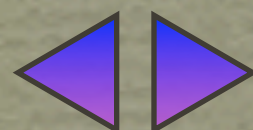
Flowers: Calyx tube white, 4-5 mm, corolla blue and exceeding calyx

Blooming Period: July-December



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Canary Island sea-lavender

5 Petals
or Lobes

Limonium perezii

PLUMBAGINACEAE - Leadwort Family

Description:

Erect perennial to 45 cm. Leaves 4-14 cm long, 2.5-7 cm wide, round to ovate

Habitat:

Disturbed coastal areas. Escaped from gardens



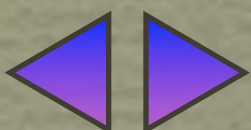
David Chipping

Flowers: Calyx tube to 10 mm, Blue- purple, corolla white

Blooming Period:
March-September

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Cleveland's shooting star

Primula clevelandii

PRIMULACEAE - Primrose Family

5 Petals
or Lobes

Description:

Erect annual to 45 cm. Branches ascending, glandular, hairy. Leaves linear, blade more than 2x long as width

Habitat:

Grassland

Flowers:

Inflorescence
5-9 flowered,
petals reflexed



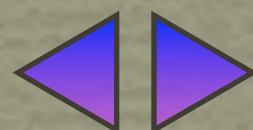
Marlin Harms

Blooming Period: February-April



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Common jimson weed

Datura stramonium

SOLANACEAE - Nightshade Family

5 Petals
or Lobes

Description:

Annual to 10 dm.
Leaves 15 cm,
ovate, toothed.
Fruit is spine
covered

Habitat:

Disturbed areas

Flowers: Fused
petals, trumpet-
like to 9 cm.

White to violet

Blooming

Period: All year



David Chipping

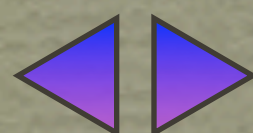


Marlin Harms



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Purple nightshade

Solanum umbelliferum var. *xanti*

SOLANACEAE - Potato Family



David Chipping

Description: Native perennial, up to 7 dm, much branched. Leaves 2-7 cm, lanceolate to ovate, greener, less hairy than *S. umbelliferum*

Habitat: Coastal scrub, chaparral, woods

Flowers: Corolla 5-13 mm wide

Blooming Period: February-June



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Spearmint

Mentha spicata

LAMIACEAE - Mint Family

5 Lobes
in 2 Lips

Description:

Perennial from rhizome, to 10 dm high. Leaves acute tipped, ovate to lanceolate, serrated edges

Habitat: Moist soils, floodplain



Franz Eugen Köhler, Köhler's Medizinal-Pflanzen 1887: Public Domain

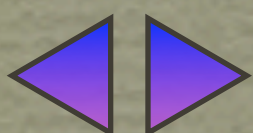
Flowers: Corolla 3-4 mm, inflorescence a terminal cluster, bracts subtend flower clusters

Blooming Period: July-October



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5 Lobes
in 2 Lips

Curly-leaved monardella

Monardella sinuata subsp. *sinuata*

LAMIACEAE - Mint Family

Description:

Erect, slender
annual to 65 cm.

Leaves 10-55
mm, linear to
oblanceolate,
wavy edged.

Strongly scented



David Chipping

Habitat: Chaparral,
woodland

Flowers: 1 flower
cluster per stem. Calyx
5-6 mm. lobes acute
and hairy

Blooming Period:
April-September

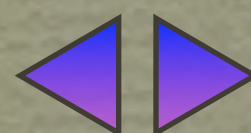


David Chipping



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5 Lobes
in 2 Lips

Chia

Salvia columbariae

LAMIACEAE - Mint Family

Description: Annual to 5 dm. Leaves basal, 10 cm, oblong-ovate

Habitat: Open dry slopes

Flowers: Calyx 8-10 mm, corolla tube 6-8 mm

Blooming Period: March-June

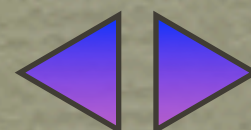


David Chipping



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Round-leaved fluellin

Kickxia spuria

PLANTAGINACEAE - Plantain Family

5 Lobes
in 2 Lips



Wikipedia Public Domain

Description: Much branched, decumbent annual. Leaves alternate

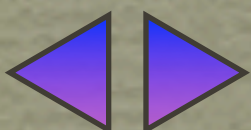
Habitat: Disturbed areas

Flowers: 5 calyx segments, upper lip deep purple, lower lip yellow

Blooming Period: July-December

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California vervain

5 Lobes
in 2 Lips

Verbena lasiostachys var. *lasiostachys*

VERBENACEAE - Vervain Family



David Chipping



David Chipping

Description: Perennial, decumbent to erect, hairy stems to 80 cm. Leaves ovate hairy, toothed with winged petioles

Habitat: Infrequent trailside

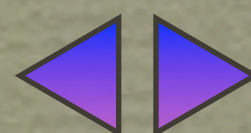
Flowers: Stems may have 1-3 flower spikes, flowers 2.5-5 mm

Blooming Period: May-September



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Douglas iris

Iris douglasiana

IRIDACEAE - Iris Family



David Chipping

Description: Perennial from rhizome. Branched stem to 50 cm. Leaves basal, 4-7 mm wide

Habitat: Grassland

Flowers: Sepals 5-8 cm, petals 5-7 cm

Blooming Period: March-July





Blue-eyed-grass

Sisyrinchium bellum

IRIDACEAE - Iris Family

Description:

Perennial from bulb. Branched stem to 60 cm. Rhizomatous

Habitat:

Grassland, usually with clay soil

Flowers: Perianth 10-17 mm

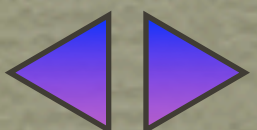
Blooming Period: March-May



David Chipping



David Chipping





Dwarf brodiaea

Brodiaea terrestris subsp. terrestris

THEMIDACEAE - Brodiaea Family



David Chipping



Marlin Harms

Description: Perennial from corm. Stems to 30 cm. 2-3 leaves, 10-70 cm

Habitat: Coastal terrace grassland

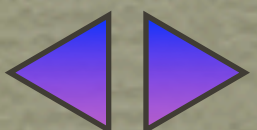
Flowers: Single stems may have 1-3 flower spikes, 6-15 flowers in head

Blooming Period: April-June



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Blue dicks

Dichelostemma capitatum subsp. *capitatum*

THEMIDACEAE - Brodiaea Family

Description:

Perennial from corm. Stems to 30 cm. 2-3 leaves, 10-70 cm

Habitat:

Common
trailside and
open areas

Flowers: Single stems may have 1-3 flower spikes, 6-15 flowers in head

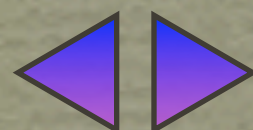


David Chipping



David Chipping

Blooming Period: March-June





Seaside daisy

Erigeron glaucus

ASTERACEAE - Sunflower Family



David Chipping

Description: Rhizomatous perennial to 30 cm. leaves 2-13 cm, thick and fleshy, stem decumbent

Habitat: Old dune soils on coastal bluff

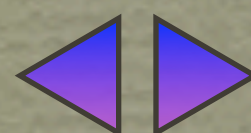
Flowers: 15 heads in inflorescence, flowers 15-35 mm diameter, 80-165 ray flowers, 8-15 mm long

Blooming Period: May-July



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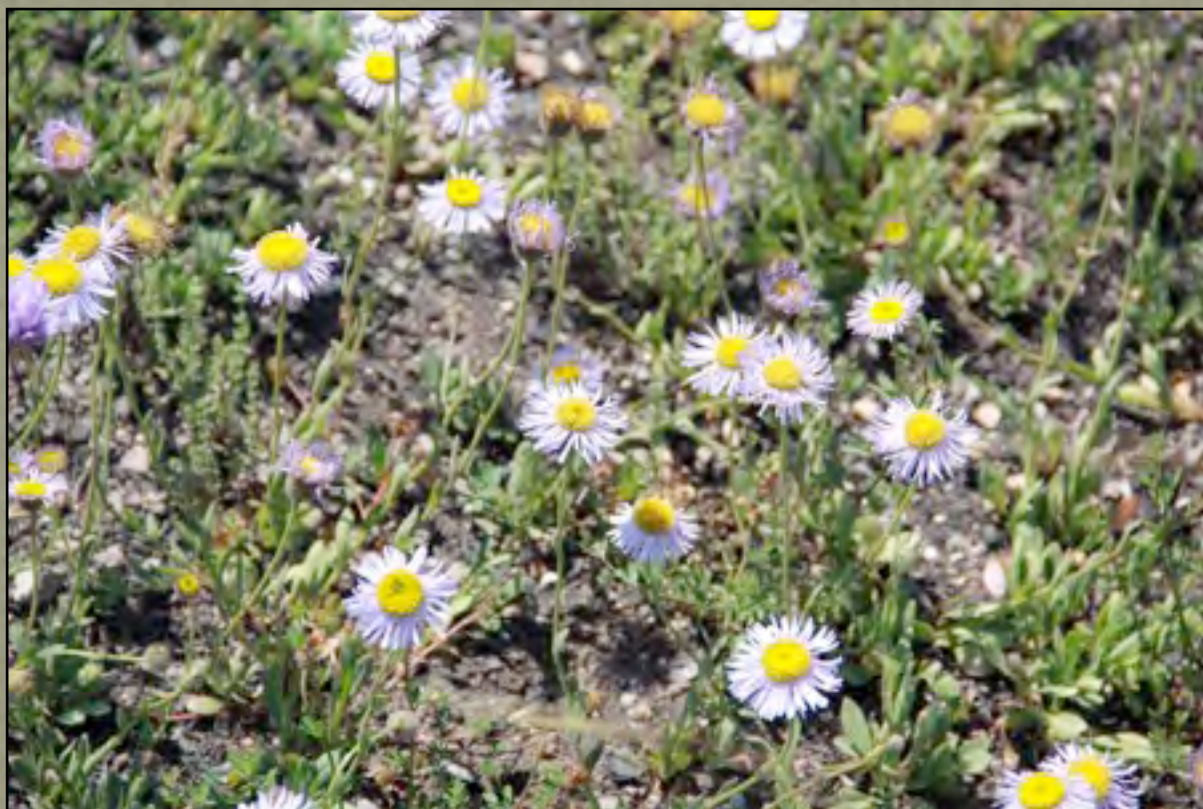




The Saints' fleabane daisy

Erigeron sanctarum

ASTERACEAE - Sunflower Family



David Keil



Reduced from picture by Marlin Harms, Plants were in Los Osos sandy soil

Description: Perennial to 35 cm, basal leaves spoon shaped, cauline leaves, 2.5 cm, lanceolate. Stem ascending, few-branched, hairy

Habitat: Sandy soils

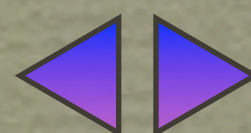
Flowers: 1-3 flower heads, 45-90 ray flowers, 7-13 mm long, involucre with spreading hairs

Blooming Period: May-June



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Pacific aster

Symphyotrichum chilense

ASTERACEAE - Sunflower Family

Description:

Perennial to 10 dm, upper stem hairy. Leaves sessile, oblanceolate, acute tipped

Habitat:

Grassland, disturbed ground

Flowers: Heads in cyme-like cluster
15-40 ray flowers

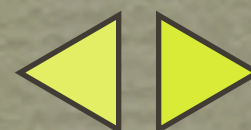


David Chipping



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Salsify

Tragopogon porrifolius

ASTERACEAE - Sunflower Family

Description:

Biennial to 2m,
conspicuous
phyllaries
exceed flowers.
Seed 'puff' is
brownish



Marlin Harms

Habitat:

Grassland

Flowers: Heads
5-9 ligules, ligule
color variable



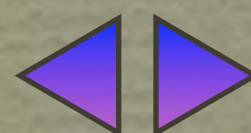
Marlin Harms

Blooming Period: June-October



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Italian thistle

Carduus pycnocephalus

ASTERACEAE - Sunflower Family



David Chipping



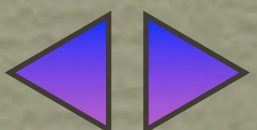
David Chipping

Description: Annual non-native with spiny-winged stems

Habitat: Disturbed areas, trailside

Flowers: Heads 2-5 in a cluster, corolla 10-14 mm

Blooming Period: March-July



Chicory

Cichorium intybus

ASTERACEAE - Sunflower Family

Description:

Perennial to 20 dm.
Proximal leaves 1-3 dm, toothed or pinnately lobed

Habitat: Grassland

Flowers: Heads terminal and in axils, flowers with 10-25 ligules

Blooming Period:
April-October



David Chipping

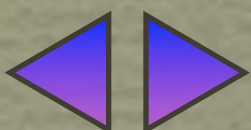


David Chipping



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Indian thistle

Cirsium brevistylum

ASTERACEAE - Sunflower Family

Description:

Annual or
biennial native
with hairy
stem to 3 m.
Leaves spiny

Habitat: Moist
areas

Flowers: Heads
2.5-4 cm
diameter, tightly
clustered with
cobwebby hairs

Blooming Period: March-August

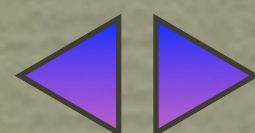


David Chipping



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Compact cobwebby thistle

Cirsium occidentale var. compactum

ASTERACEAE - Sunflower Family



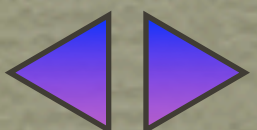
David Chipping

Description: Biennial native. Low mounds to 3 dm. Leaves grey hairy

Habitat: Coastal terrace adjacent to bluffs

Flowers: Heads to 25-30 mm diameter, short peduncled, clustered with cobwebby hairs

Blooming Period: February-July





Cobwebby thistle

Cirsium occidentale var. occidentale

ASTERACEAE - Sunflower Family

Description:

Biennial native with
hairy stem to 1 m.
Leaves grey hairy

Habitat: Open areas

Flowers: Heads
to 8 cm diameter,
not clustered with
cobwebby hairs

Blooming Period:
April-July

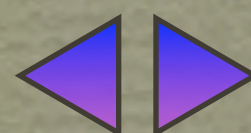


David Chipping



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Bull thistle

Cirsium vulgare

ASTERACEAE - Sunflower Family

Disk
Flowers



David Chipping



David Chipping

Description: Biennial non-native with spiny-winged stems

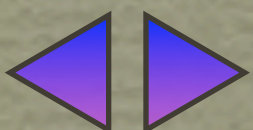
Habitat: Disturbed areas

Flowers: Heads $\frac{3}{4}$ -1 $\frac{1}{2}$ in. diameter (2-4 cm)

Blooming Period: May-October

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Milk thistle

Silybum marianum

ASTERACEAE - Sunflower Family

Disk
Flowers



David Chipping



David Chipping

Description: Biennial non-native with large, white blotched spiny basal leaves

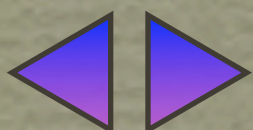
Habitat: Disturbed ground

Flowers: Heads $\frac{3}{4}$ -1 $\frac{1}{2}$ in. diameter (2-4 cm)

Blooming Period: February-June

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Tall leather-root

Hoita macrostachya

FABACEAE - Pea Family



Marlin Harms



Marlin Harms

Description: Perennial, erect to 2 m. Much branched. Leaves 1-pinnate, 3 lanceolate leaflets

Habitat: Floodplain

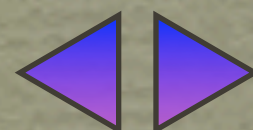
Flowers: Inflorescent spike 5-15 cm, flowers 9-10 mm

Blooming Period: May-August



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Pacific sweet pea

Lathyrus vestitus var. *vestitus*

FABACEAE - Pea Family

Description:

Perennial vine, 6 or more leaflets in 4-5 cm leaf.

Leaves may have coiling tendrils

Habitat:

Shaded damp areas

Flowers: Dense clusters of up to 15 flowers, usually with purple to pale pink banner and white wings and keel

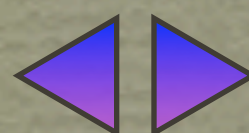
Blooming Period: February-July



David Chipping



David Chipping





Abrams silver bush lupine

Lupinus albifrons var. *abramsii*

FABACEAE - Pea Family



David Chipping



David Chipping

Description: Shrub with woody stem, branching at base. leaves grey green with petioles longer than the leaf

Habitat: Open slopes

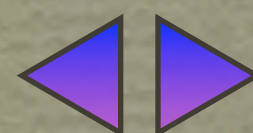
Flowers: Dense clusters of up to 15 flowers, usually with purple to pale pink banner and white wings and keel

Blooming Period: March-June



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Tree lupine

Lupinus arboreus

FABACEAE - Pea Family



David Chipping

Description: Shrub with woody stem, branching above base, leaves green green with petioles shorter or equal to leaf

Habitat: Grassland

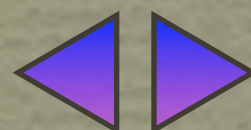
Flowers: Dense clusters of up to 15 flowers, locally with purple to pale pink banner and white wings and keel


Blooming Period: March-June



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Stinging lupine

Lupinus hirsutissimus

FABACEAE - Pea Family

Description: Annual, to 10 dm. Stem and leaves with stinging hairs. Leaf petiole 4-9 cm, 5-8 leaflets. 20-50 mm long, 10-20 mm wide

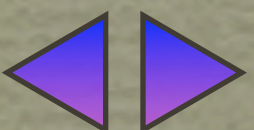
Habitat: Dry areas, poor soils



David Chipping

Flowers: Petals magenta, flowers 12-18 mm long, calyx 6-10 mm, lips equal, upper lip deeply lobed

Blooming Period: March-May



Sky lupine

Lupinus nanus

FABACEAE - Pea Family

Description:

Hairy annual to 6 dm. Layers of colors are noticeable. May form extensive patches

Habitat:

Grassland, may form extensive carpets

Flowers: 6-15 mm long, whorled, Inflorescence 2-20 cm

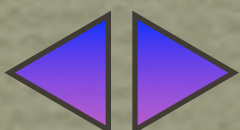
Blooming Period: March-May




David Chipping



David Chipping





Arroyo lupine

Lupinus succulentus

FABACEAE - Pea Family



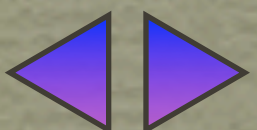
David Chipping

Description: Annual, up to 1m, usually 30 cm. Leaves have 7-9 leaflets, up to 10 cm long

Habitat: Open areas, grassland

Flowers: Whorled in stem. Petals purple-blue, age to magenta, flowers 1-2 cm long

Blooming Period: February-May



Truncate sack clover

Trifolium depauperatum var. *truncatum*

FABACEAE - Pea Family

Description:

Small glabrous annual. Leaves oblong to 2 cm,

Habitat: Spring moist grassland, woodland openings

Flowers: Banner inflated. Corolla 4.5-7.5 mm.

Flower can be also white with purple tips

Blooming Period:
April-June



David Chipping

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Strawberry clover

Trifolium fragiferum

FABACEAE - Pea Family

Pea
Flowers



David Chipping

Description: Low, creeping perennial.

Leaflets to 2 cm, elliptical to ovate

Habitat: Disturbed areas, trailside, saline soils

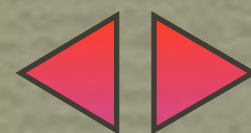
Flowers: Heads 8-12 mm wide. Corolla 5-6 mm

Blooming Period: April-May



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Gray's clover

Trifolium grayi

FABACEAE - Pea Family

Description: Low, creeping perennial.

Habitat: Wet meadows, conifer woodland

Flowers: Involucre bowl-shaped. Lobes toothed. Heads 8-12 mm wide. Corolla 8-16 mm, longer than calyx

Blooming Period: April-June



Jennifer Buck: CalPhoto, Public Domain

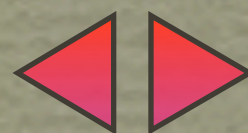


Jennifer Buck: CalPhoto, Public Domain



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Rose clover

Trifolium hirtum

FABACEAE - Pea Family



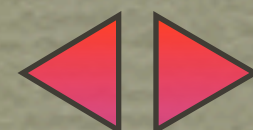
David Chipping

Description: Hairy erect annual, leaflet 1-2.5 cm, obovate

Habitat: Disturbed areas, trailside

Flowers: Head 1.5-2 cm. Calyx 7-9 mm, lobes 4-6 mm >> tube, corolla 11-15 mm

Blooming Period: April-May





White-tip clover

Trifolium variegatum

FABACEAE - Pea Family



David Chipping



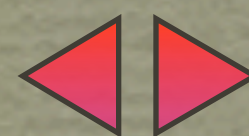
David Chipping

Description: Annual, prostrate to erect, 0.3-5 dm, mat-forming. leaflets obovate, toothed

Habitat: Moist soils, woodland

Flowers: Inflorescence 1-1.5 cm, 5-10 flowered. Calyx 4-8 mm, lobes 4-6 mm >> tube, corolla 6-10 mm

Blooming Period: April-June





American vetch

Vicia americana subsp. americana

FABACEAE - Pea Family



David Chipping

Description: Perennial, sprawling to climbing to 1m. 8-16 leaflets tipped with tiny spines

Habitat: Semi-shade, damp areas

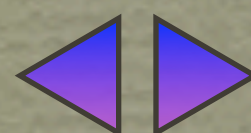
Flowers: 3-9 flowers, generally on one side of axis, lobes unequal, with lower lobe larger

Blooming Period: March-June



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Common vetch

Vicia sativa subsp. sativa

FABACEAE - Pea Family

Description: Non-native annual, decumbent to spreading to 60 cm. 8-14 acute tipped leaflets, 4-10 mm wide with length 2-6 x width



David Chipping

Habitat: Open and disturbed areas

Flowers: 1-3 flowers in cluster, corolla 18-30 mm

Blooming Period:
March-June

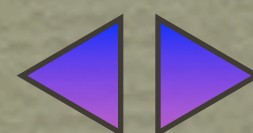


David Chipping



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Winter vetch

Vicia villosa subsp. varia

FABACEAE - Pea Family



David Chipping

Description: Introduced annual, sprawling to climbing to 1m. 12-18 leaflets, round-tipped with tooth, upper stems not hairy (hairy in *subsp. villosa*)

Habitat: Open grassland

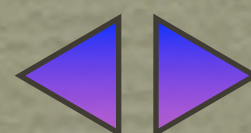
Flowers: Calyx lopsided-swollen at base, upper lobe much smaller than lower lobe. Lower lobe lanceolate(linear in *subsp. villosa*)

Blooming Period: May-June



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Hairy vetch

Vicia villosa subsp. villosa

FABACEAE - Pea Family

Description:

Introduced annual, sprawling to climbing to 1m. 12-18 leaflets, round-tipped with tooth, upper stems hairy



Santa Monica Mountains National Recreation Area
Public Domain

Habitat: Open grassland

Flowers: Calyx lopsided-swollen at base, upper lobe much smaller than lower lobe. Lower lobe linear



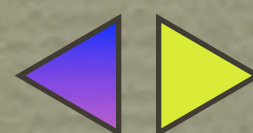
Santa Monica Mountains National Recreation Area
Public Domain

Blooming Period: May-June



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Prostrate pigweed

Amaranthus blitoides

AMARANTHACEAE - Amaranth Family



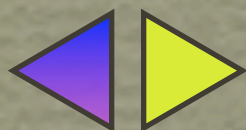
George Butterworth

Description: Prostrate, mat-forming, stems to 120 cm, green to purple. Leaves 10-30 mm, petiole 3-15 mm, obovate to spoon-shaped

Habitat: Disturbed areas

Flower: Very tiny axillary clusters

Blooming Period: July-November





Powell's amaranth

Amaranthus powellii

AMARANTHACEAE - Amaranth Family

Description:

Erect annual,
25-150 cm. Leaves
30-80 mm, petiole
30-60 mm, elliptical
to rhombic to wide-
lanceolate. Stem
green with red
stripes

Habitat: Disturbed
areas

Flower:

Inflorescence a
spike, several
vertical branches

Blooming Period: June-October

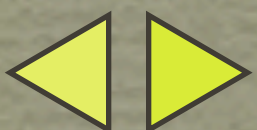


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Algerian ivy

Hedera algeriensis

ARALIACEAE - Ginseng Family



David Chipping

Description: Woody vine, leaf unlobed or shallowly lobed, broadly ovate, to 15 cm

Habitat: Woodland, escaped from cultivation

Flower: Very tiny, obscure

Blooming Period: August-November



Beach bursage

Ambrosia chamissonis

ASTERACEAE - Sunflower Family



David Chipping



Marlin Harms



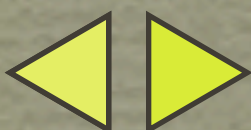
David Chipping

Description: Mat-forming perennial, hairy foliage, leaf petiole 1-5 cm, blade 2-5 cm, deeply lobed or 1-3 pinnate, oblanceolate to triangular

Habitat: Very close to ocean

Flower: Raceme-like clusters

Blooming Period: May-October





Erect evax

Hesperevax sparsiflora var. *sparsiflora*

ASTERACEAE - Sunflower Family



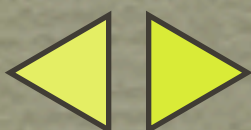
David Chipping

Description: Annual. Erect stem to 17 cm. Leaves to 30 mm, obovate, cobwebby

Habitat: Open areas of clay or rocky soils

Flower: Heads clustered, flowers obscure

Blooming Period: March-June



California cotton-rose

Logfia gallica

ASTERACEAE - Sunflower Family

Green, Brown
or Obscure



David Chipping

Description: Tiny annual with multiforked stem, cobwebby. Leaves awl-like, surpassing flower head

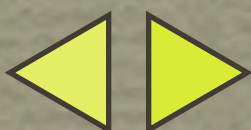
Habitat: Open country, firm sandy soils

Flower: Very tiny, green-white. Phyllaries 5, equal, paleae unequal, outer bent inward at 70-90 degrees

Blooming Period: March-July

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Dwarf woollyheads

Psilocarphus brevissimus var. brevissimus

ASTERACEAE - Sunflower Family



David Chipping

Description: Tiny prostrate annual with silky to cobwebby hairs. Leaves lanceolate to ovate, 8-15 mm

Habitat: Bare soil, winter-wet places, drying pools

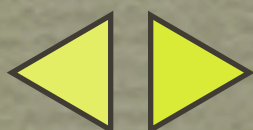
Flower: Flower heads 6-9 mm diameter

Blooming Period: May-June



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Lawn burweed

Soliva sessilis

ASTERACEAE - Sunflower Family

Green, Brown
or Obscure



David Chipping

Description: Tiny non-native mat-forming annual, leaves 2-3 pinnately divided

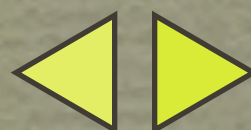
Habitat: Trailside, mostly in shaded areas

Flower: Very tiny, cream-colored, some in branch axils

Blooming Period: April-July

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Green, Brown
or Obscure

Spiny clotbur

Xanthium spinosum

ASTERACEAE - Sunflower Family

Description:

Annual to 60 cm. Lanceolate leaves. Fruit a spiny bur to 12 mm. Golden nodal spines present



David Chipping

Habitat: Disturbed wetland

Flower: Obscure

Blooming Period:
July- October

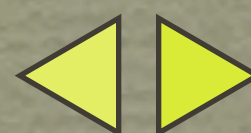


David Chipping



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Cocklebur

Xanthium strumarium

ASTERACEAE - Sunflower Family



Marlin Harms



George Butterworth

Description: Annual to 80 cm. Wide, palmately lobed leaves. Fruit a spiny bur to 30 mm

Habitat: Disturbed wetland

Flower: Obscure

Blooming Period: July- October

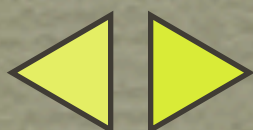


David Chipping



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Four-leaved allseed

Polycarpon tetraphyllum subsp. tetraphyllum

CARYOPHYLLACEAE - Pink Family

Green, Brown
or Obscure

Description:

Tiny prostrate to erect annual to 17 cm, whorls of 4, or opposite obovate leaves



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Habitat:

Disturbed soils

Flower: Very tiny, green-white, less than 1 mm



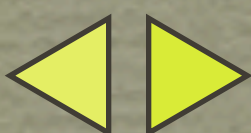
David Chipping

Blooming Period: Spring-Fall



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Beach saltbush

Atriplex leucophylla

CHENOPODIACEAE - Goosefoot Family



David Chipping

Description: Spreading, decumbent perennial. Stems to 10 dm. Leaves densely white, scaly, 5-24 mm, ovate

Habitat: Extremely close to ocean, beaches, salt marsh

Flowers: Obscure. Fruit bracts spongy

Blooming Period: April-October



Fat-hen orach

Atriplex prostrata

CHENOPODIACEAE - Goosefoot Family



Marlin Harms



David Chipping

Description: Annual to 12 dm. Stem ascending to erect, green-striate. Leaves triangular-hastate, 10-90 mm, entire to wavy-dentate

Habitat: Wetlands, tidewater edge

Flowers: Obscure

Blooming Period: April-October



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Pigweed goosefoot

Chenopodium murale

CHENOPODIACEAE - Goosefoot Family

Green, Brown
or Obscure



David Chipping



David Chipping

Description: Annual to 50 cm. Leaves toothed, glabrous, deltate to ovate , wedge-shaped base

Habitat: Disturbed areas

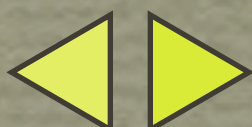
Flowers: Clusters in straight spikes

Blooming Period: All year



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Lamb's-quarter

Chenopodium album

CHENOPODIACEAE - Goosefoot Family



David Chipping



David Chipping

Description: Annual to 100 cm. Leaves with irregular teeth, fine grey hairs , extending down stem of plant without clasping

Habitat: Disturbed areas

Flowers: Clusters in straight spikes

Blooming Period: June-October



Pitseed goosefoot

Chenopodium berlandieri

CHENOPODIACEAE - Goosefoot Family



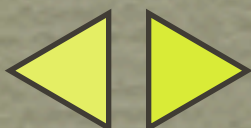
David Chipping

Description: Annual, 10-60 cm, leaf blade lanceolate to diamond shaped, 15-30 mm, with 2 lobes near base, irregularly toothed

Habitat: Disturbed areas

Flowers: Tiny, ovate sepals

Blooming Period: July-September



Mexican-tea

Dysphania ambrosioides

CHENOPODIACEAE - Goosefoot Family

Green, Brown
or Obscure



David Chipping



David Chipping

Description: Annual to 130 cm. Plant erect, stem glabrous or gland-dotted, leaves to 100 mm, ovate to lance-oblong, usually dentate, petioles densely glandular

Habitat: Disturbed areas, Santa Rosa Creek floodplain

Flowers: Sessile, calyx 5-lobed

Blooming Period: July-September

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California saltbush

Extriplex californica

CHENOPODIACEAE - Goosefoot Family

Description:

Spreading, decumbent perennial, patches up to 8 dm wide. Many stems from base. Leaves gray, scaly, 5-24 mm, lanceolate to elliptical



David Chipping

Habitat: Close to ocean,

Flowers: In terminal inflorescence. Fruit bracts free and entire

Blooming Period:
April-October

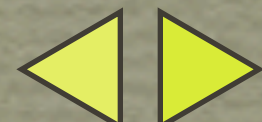


David Chipping



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Water pygmyweed

Crassula aquatica

CRASSULACEAE - Stonecrop Family



© Hörður Kristinnsson: Wikimedia Commons, CC BY 2.0

Description: Tiny annual to 20 mm. Leaf 2-6 mm, linear to oblanceolate. Plant turns red with age

Flowers: Tiny, 4-parted, 1 per node

Habitat: Pine forest, wet substrates

Blooming Period: March-June





Common pygmyweed

Crassula connata

CRASSULACEAE - Stonecrop Family

Green, Brown
or Obscure

Description:

Tiny annual to 6 cm, ovate leaf to 3 mm. Plant turns red with age

Flowers: Tiny, 2 per node, parts in fours.

Habitat: Open areas, trailside

Blooming Period:
February-August



David Chipping

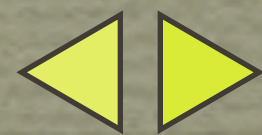


Marlin Harms



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Caper spurge

Euphorbia lathyris

EUPHORBIACEAE - Euphorbia Family

Description:

Biennial, to 15 dm, leaves lanceolate, opposite, clasping at base, to 15 cm

Habitat: Disturbed floodplain

Flowers: Tiny

Blooming Period:
All year



David Chipping



Petty spurge

Euphorbia peplus

EUPHORBIACEAE - Euphorbia Family

Description:

Annual, 10-20 cm,
leaf 1-3.5 cm



David Chipping

Habitat:

Disturbed areas

Flowers: Tiny



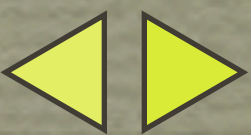
Blooming Period:
February-August

Note: A very similar species *E. crenulata*, has the two upper leaves united like a dog collar around the flower



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Castor-bean

Ricinus communis

EUPHORBIACEAE - Euphorbia Family



David Chipping



David Chipping

Description: Shrub-like to 3 m. Large leaves palmately 7-11 lobed and toothed. Fruit spiny

Habitat: Disturbed areas,

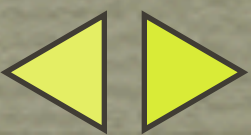
Flowers: Tiny

Blooming Period: All year



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Chaparral rein-orchid

Piperia elongata

ORCHIDACEAE - Orchid Family

Green, Brown
or Obscure

Description:

Perennial, to 130 cm.
Basal leaves 8-30
cm, 10-65 mm wide

Habitat: Pine forest



David Chipping

Flowers: Inflorescence
15-30 cm. Perianth
green, spur curved,
pointing down.
Fragrance faint

Blooming Period:
May-July

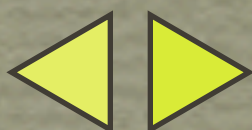


David Chipping



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Bolander's water starwort

Callitriche heterophylla var. *bolanderi*

PLANTAGINACEAE - Plantain Family



©2013 Jean Pawek: Free use allowed

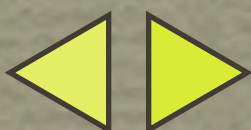
Description: Submerged or in floating rosettes, or dense mats on ground. Submerged leaves linear-oblong, emergent leaves spoon-shaped. Flower is minute

Habitat: Wetlands



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Cutleaf plantain

Plantago coronopus

PLANTAGINACEAE - Plantain Family

Green, Brown
or Obscure

Description:

Introduced
annual-biennial
to 25 cm, many
branched stems.
Leaves pinnately
lobed. 1-6
inflorescences,
spike to 22 cm,
cylindrical and
nodding



David Chipping

Habitat: Coastal bluffs

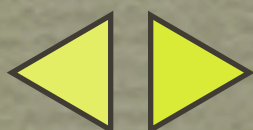
Blooming Period: April-
July



David Chipping

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Vernal pool plantain

Plantago elongata

PLANTAGINACEAE - Plantain Family



Univerity of Arizona Herbarium



Santa Monica Mountains National Recreation Area
Public Domain

Description: Tiny annual to 20 cm. Leaves thread-like, 3-10 cm

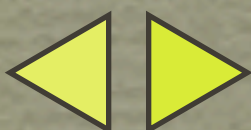
Habitat: Coastal bluffs

Flowers: Obscure. Bracts ovate to round

Blooming Period: April-June



Santa Monica Mountains National Recreation Area
Public Domain





Foothill plantain

Plantago erecta

PLANTAGINACEAE - Plantain Family

Green, Brown
or Obscure



Marlin Harms



Marlin Harms

Description: Annual to 20 cm, silky hairs. Leaves thread-like, 3-13 cm

Habitat: Open areas, grassland

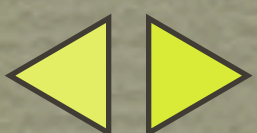
Flowers: Obscure. Bracts ovate to round

Blooming Period: March-May



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English plantain

Plantago lanceolata

PLANTAGINACEAE - Plantain Family

Green, Brown
or Obscure



David Chipping



David Chipping

Description: Perennial from taproot, to 60 cm. Leaves lanceolate, tapered to petiole.

Bracts ovate to round. Few to many inflorescences, spike 2-8 cm

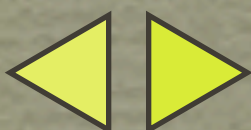
Habitat: Open grassland, disturbed ground

Flowers: Corolla lobes spreading, ovate, 2-2.5 mm

Blooming Period: April-August

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Common plantain

Plantago major

PLANTAGINACEAE - Plantain Family

Green, Brown
or Obscure



David Chipping

Description: Introduced annual to 60 cm, many branched stems. Leaves broadly oval, 5-18 cm, basal

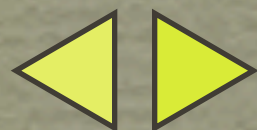
Habitat: Moist areas

Flowers: 3-7 inflorescences, to 60 cm. Spike 3-20 cm. Corolla lobe hairy

Blooming Period: April-September

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Marsh plantain

Plantago subnuda

PLANTAGINACEAE - Plantain Family



David Chipping



David Chipping

Description: Perennial to 50 cm, many branched stems. Leaves elliptical-oblongate, 12-40 cm, basal, boldly veined

Habitat: Moist areas, coastal terrace

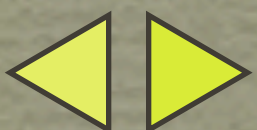
Flowers: 1-5 inflorescences, to 50 cm. Spike 8-30 cm, cylindrical

Blooming Period: May-September



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Common knotweed

Polygonum aviculare

POLYGONACEAE - Buckwheat Family

Green, Brown
or Obscure

Description:

Introduced
prostrate,
spreading annual.
Leaves to 50 mm,
elliptical to obovate



David Chipping

Habitat:

Disturbed areas

Flowers: Obscure,
5-petal white



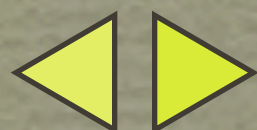
David Chipping

Blooming Period:
May-November



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Sheep-sorrel

Rumex acetosella

POLYGONACEAE - Buckwheat Family

Description:

Perennial to 4 dm,
many branched
stems. Flowers
obscure, distinctive
red fruit, leaves
generally basal,
narrow, elliptical

Habitat: Open
country. Forms
extensive red
patches in summer
grasslands



David Chipping

Blooming Period:
April-July



Knotted dock

Rumex conglomeratus

POLYGONACEAE - Buckwheat Family

Green, Brown
or Obscure



David Chipping



David Chipping

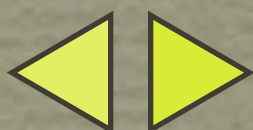
Description: Introduced perennial to 3-8 dm. Flowers obscure, green fruit aging to red-brown, fruit clustered along stem, leaves to 30 cm, lanceolate

Habitat: Moist soils, trailside

Blooming Period: May-August

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Curly dock

Rumex crispus

POLYGONACEAE - Buckwheat Family



David Chipping



David Chipping

Description: Perennial to 1m. Branched above middle. Inflorescence dense and terminal. Flowers obscure, distinctive red fruit, leaves narrow, elliptical

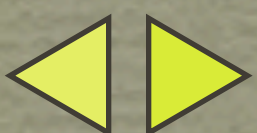
Habitat: Open country, trailside

Blooming Period: All year



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Fiddle dock

Rumex pulcher

POLYGONACEAE - Buckwheat Family

Description:

Perennial to 6 dm. Stems branched, many near horizontal. Leaf blades oblong, 4-11 cm



David Chipping

Habitat:

Grassland



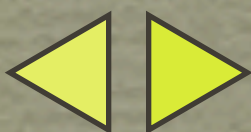
David Chipping

**Blooming
Period:** May-
September



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Willow-leaved dock

Rumex salicifolius

POLYGONACEAE - Buckwheat Family

Description:

Perennial to 6 dm. Stem ascending to erect. Leaf blades lanceolate, 5-13 cm Inflorescence terminal

Habitat:

Wetland

Blooming

Period: May-July



David Chipping

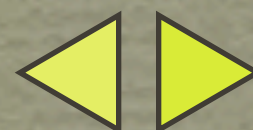


David Chipping



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Fendler's meadow-rue

Green, Brown
or Obscure

Thalictrum fendleri var. *fendleri*

RANUNCULACEAE - Buttercup Family



Photos: David Chipping

Description: Perennial to 2m tall. Plants either male or female, male flowers shown top right, female shown bottom center

Habitat: Moist areas

Flowers: Petal-like sepals 2-5 mm long

Blooming Period: May-August

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Giant stinging nettle

Urtica dioica subsp. holosericea

URTICACEAE - Nettle Family

Description: Tall perennial to 3m. Leaves opposite, 6-20 cm, narrow lanceolate to wide, ovate with stinging hairs

Habitat: Damp soil and shaded areas, common adjacent to creek

Flowers: Obscure, in panicles below leaves



David Chipping



David Chipping

Blooming Period: June-September



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Coastal dwarf mistletoe

Arceuthobium campylopodum subsp. littorum

Green, Brown
or Obscure

VISCACEAE - Mistletoe Family

Description:

Parasitic on
conifers. Stem
<20 cm, angled
when young,
yellow, brown or
purple. Leaves <
1mm, scale-like



David Chipping

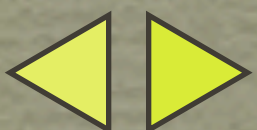
Habitat: Conifer
forest



Marlin Harms

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Horned-pondweed

Zannichellia palustris

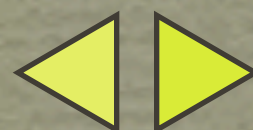
ZANNICHELLIACEAE -Horned Pondweed Family



Christian Fischer: Wikipedia Creative Commons (CC BY--SA 3.0)

Description: Perennial with stems 3-10 dm. Submerged. Thread-like stems, leaves whorled or alternate.

Habitat: Standing water





San Diego bentgrass

Agrostis pallens

POACEAE - Grass Family

Grasses

Description:

Rhizomatous,
stem to 70 cm.
Leaf blades flat, to
5 cm, ligule to 3
mm

Inflorescence:

5-20 cm, ovate to
lanceolate

Spikelet:

Glumes 2-3 mm,
lemma 1.5-2.5
mm, \pm awn

Habitat:

Grassland, woods

Blooming Period: June-August



Robert Steers/NPS, Wikipedia public domain

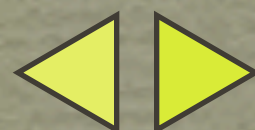


Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA
Miscellaneous Publication No. 200. Washington, DC.



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Silver hairgrass

Aira caryophyllea

POACEAE - Grass Family

Grasses



Hitchcock, A.S. 1950. Manual of the Grasses of the United States.
USDA Miscellaneous Publication No. 200. Washington, DC.

David Chipping

Description: Multistemmed annual to 45 cm,
leaves basal, sheath and ligule scabrous

Inflorescence: >1.5 cm wide, equal
branched, open

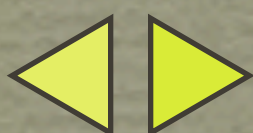
Spikelets: Glumes 2-3 mm, lemma 1.5-2
mm, awn 3 mm

Habitat: Sandy or disturbed soils

Blooming Period: April-June

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Slender wild oats

Grasses

Avena barbata

POACEAE - Grass Family



David Chipping

Description: Stem to 8 dm. Leaf blade to 40 cm, glabrous to minutely scabrous



David Chipping

Inflorescence: Open, panicle-like

Spikelets: Glumes 15-30 mm, lemma 12-26 mm and hairy, awns 20-45 mm, bent, twisted below bend. Lemma bristle-tipped

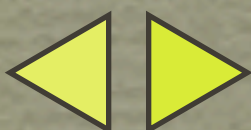
Habitat: Disturbed areas

Blooming Period: March-June



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Common wild oats

Avena fatua

POACEAE - Grass Family

Grasses



David Chipping

Description: Stem to 16 dm. Leaf blade to 45 cm, glabrous



© 2012 Jean Pawek :
CalPhoto Free For Public Use

Inflorescence: Open, panicle-like

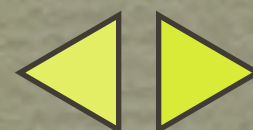
Spikelets: Glumes 18-32 mm, lemma 14-20 mm and hairy, awn of lowest floret 25-40 mm, bent, twisted below bend. Lemma tip 2-forked

Habitat: Disturbed areas

Blooming Period: April-June

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Oats

Avena sativa

POACEAE - Grass Family

Description: Stem to 18 dm. Leaf blade to 45 cm, scabrous

Inflorescence:
Open, panicle-like

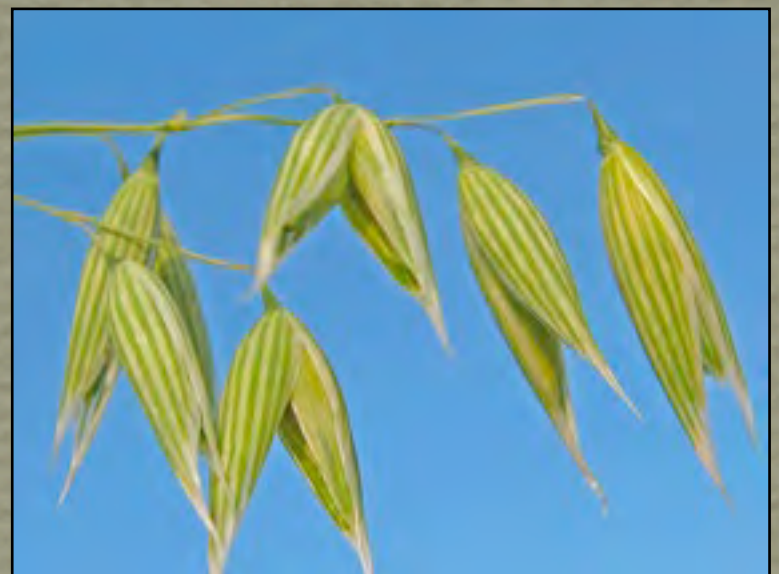
Spikelets: 25-32 mm, glumes 15-50 mm, 1-2 florets, lemma 12-25 mm and glabrous, upper floret awn present or not to 30 mm

Habitat: Disturbed areas

Blooming Period: March-May



© Henrik Sendelbach: Wikimedia Commons CC BY-SA 3.0

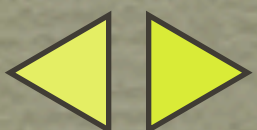


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False brome

Brachypodium hybridum

POACEAE - Grass Family



David Chipping



David Chipping

Description: Loosely tufted annual to 40cm, upright to decumbent, stem pubescent, leaf to 8 cm

Inflorescence: 2-7 cm, 1-7 spikelets per stem

Spikelets: Glumes 5-8 mm, lemma 7-10 mm, awned from tip

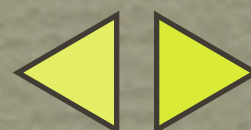
Habitat: Dry slopes in grassland

Blooming Period: April-July



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Rattlesnake grass

Briza maxima

POACEAE - Grass Family

Grasses

Description: Annual
to 80 cm, upright

Inflorescence:
Erect to pendant

Spikelets: Pendant,
laterally
compressed, ovoid
to subconic 10-19
mm long

Habitat: Grassland,
shaded woods

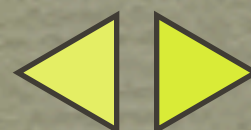


David Chipping

Blooming Period:
April-July

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Little quaking grass

Briza minor

POACEAE - Grass Family

Grasses



David Chipping

Description: Erect annual to 50 cm

Inflorescence: Erect to 20 cm

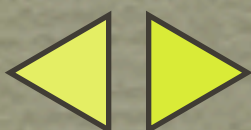
Spikelets: > 15 per inflorescence, triangular to oval

Habitat: Shaded sites

Blooming Period: April-July

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California brome

Bromus carinatus

Grasses

POACEAE - Grass Family

Description: Native perennial to 1 m, leaf glabrous or hairy

Inflorescence: 9-40 cm, upper branches usually erect

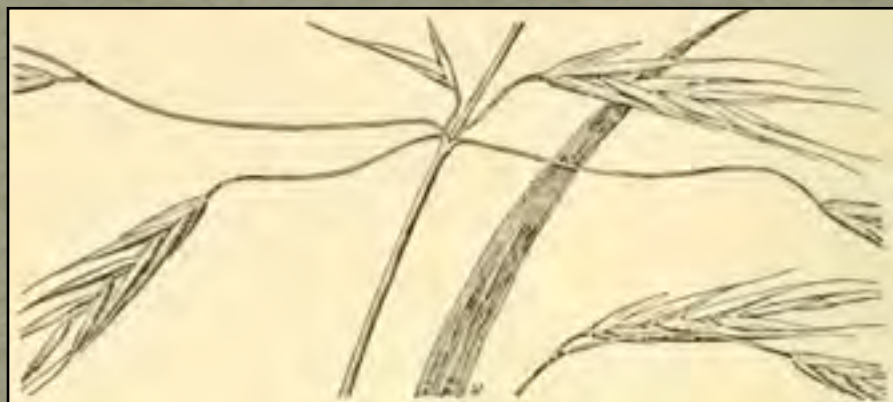
Spikelets: 20-40 mm, flattened. Upper glume 7-12 mm, 3-7 veins, lower glume 6-12 mm, 5-9 veined, lemma 12-20 mm, awn to 15 mm

Habitat: Grassland. Open chaparral

Blooming Period: April-August



David Chipping

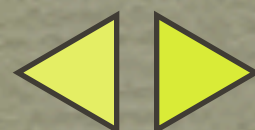


Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



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Ripgut brome

Bromus diandrus

POACEAE - Grass Family

Grasses



David Chipping

Description: Introduced annual to 15-120 cm in length

Inflorescence: to 6-25 , open, branches usually nodding

Spikelets: 25-70 mm, upper glume 18-35 mm, lower glume shorter. Lemma awn to 65 mm, straight

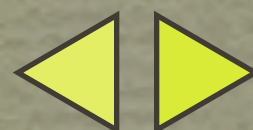
Habitat: Open, disturbed areas

Blooming Period: February-July



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Soft chess brome

Bromus hordeaceus

POACEAE - Grass Family

Grasses

Description: Introduced annual to 65 cm in length

Inflorescence to 13 cm, stems erect to spreading

Spikelets: 12-22 mm, slightly flattened, upper glume > lower glume, lemma 11-14 mm with 3-6 mm awn

Habitat: Grassland, disturbed ground

Blooming Period: April-July



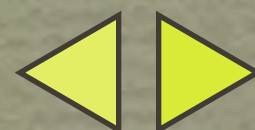
David Chipping



Hitchcock, A.S.
1950. Manual of the
Grasses of the
United States.
USDA
Miscellaneous
Publication No.
200. Washington,
DC.

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Maritime brome

Bromus maritimus

POACEAE - Grass Family

Grasses

Description: Perennial to 80 cm. in length, branches erect to ascending

Inflorescence to 150 cm

Spikelets: 20-40 mm, strongly flattened. Upper glume>lower glume. Lemma 12-14 mm, awn 3.5-7 mm

Habitat: Very close to shore

Blooming Period:
April-July



David Chipping

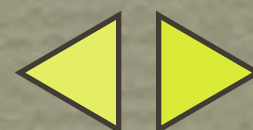


David Chipping



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Red brome

Bromus rubens

POACEAE - Grass Family



David Chipping

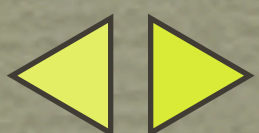
Description: Invasive annual to 50 cm in length,. A 'sock-sticker'

Inflorescence: Dense and obovoid.
Branches erect to ascending to 13 cm

Spikelets: 20-50 mm, upper glume 6-20 mm,
lower glume 4-13 mm

Habitat: Grassland. Open, disturbed areas

Blooming Period: February-June





Pine reedgrass

Calamagrostis rubescens

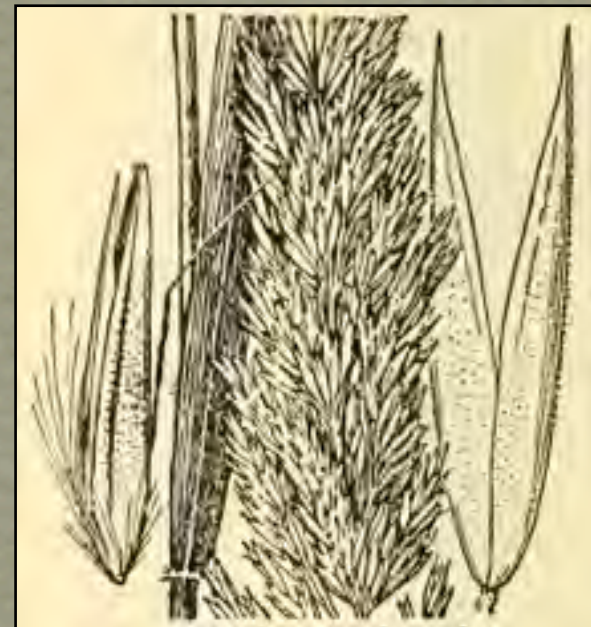
POACEAE - Grass Family



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Commons (CC BY- SA 4.0)



Hitchcock, A.S. 1950.
Manual of the Grasses of the
United States. USDA
Miscellaneous Publication
No. 200. Washington, DC.

Description: Perennial, loosely clumping to 10 dm. Leaf 2-3 mm wide

Inflorescence: Dense to open, 6-15 cm, branches <2-4 cm

Spikelets: Glumes 4-5 mm, lemma 3-4 mm, awn 2-4 mm

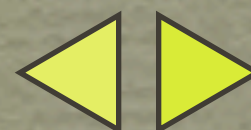
Habitat: Woodland

Blooming Period: June-September



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Kikuyu grass

Cenchrus clandestinus

POACEAE - Grass Family



David Chipping

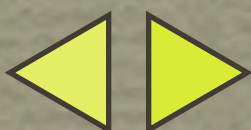
Description: Perennial. mat-forming from stolons and rhizomes. Leaf sheath 2-7 cm

Inflorescence: 1-2.7 cm, raceme-like

Spikelets: 10-20 mm, lanceolate, grey-green. Lower glume 1-2 mm, upper glume = spikelet length

Habitat: Disturbed areas, roadside

Blooming Period: All year



Jubata grass

Cortaderia jubata

POACEAE - Grass Family

Grasses



David Chipping

Description: Invasive perennial to 7m. Panicle well elevated above foliage. Leaf blades sharp edged

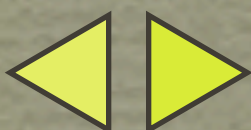
Habitat: Many habitats

Spikelets: 14-16 mm, hairy lemma

Blooming Period: September-February

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Common pricklegrass

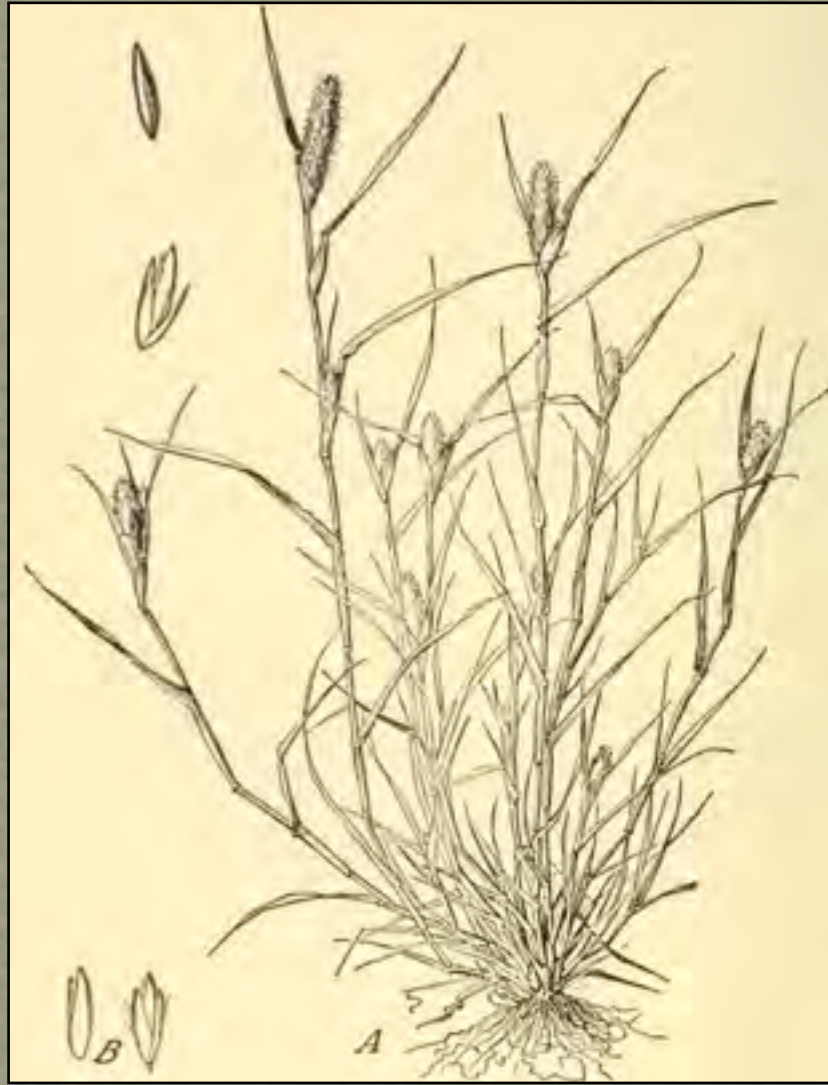
Crypsis schoenoides

POACEAE - Grass Family

Grasses



Stephen Laymon. BLM : Public Domain



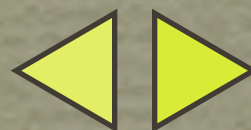
Hitchcock, A.S. 1950. Manual of the Grasses of the United States.
USDA Miscellaneous Publication No. 200. Washington, DC.

Description: Prostrate to erect, leaf ligule hairy. Inflorescence partly enclosed by sheath

Habitat: Wetlands

Spikelets: Strongly compressed. Seed head is pinkish in color

Blooming Period: June-October



Bermuda grass

Cynodon dactylon

POACEAE - Grass Family

Grasses

Description:

Sprawling
perennial from
rhizomes, stolons

Inflorescence

Digitate, 2-20
branches

Spikelets:

Sessile, in 2 rows
on one side of axis

Habitat:

Disturbed areas

Blooming Period:

June-August



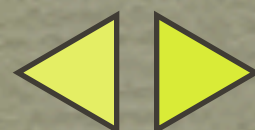
David Chipping



Hitchcock, A.S. 1950. Manual of the Grasses of
the United States. USDA Miscellaneous
Publication No. 200. Washington, DC.

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Orchard grass

Dactylis glomerata

POACEAE - Grass Family



David Chipping



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Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.

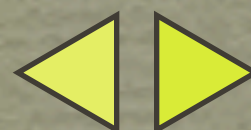
Description: Rhizomatous perennial to 20 dm. Base of stem flattened. Leaves basal and cauline

Inflorescence: Panicle-like, 4-20 cm

Spikelets: crowded on 1 side of branch tips, 2-6 florets. Glumes, lemma have short awns

Habitat: Moist soils, disturbed areas

Blooming Period: May-August





California oatgrass

Danthonia californica

Grasses

POACEAE - Grass Family

Description:

Perennial
bunchgrass to 13
dm. Leaves basal
and cauline, upper
blades to 30 cm



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Inflorescence:

Raceme-like, 2-6
cm, lower branches
flexible, reflexed



Hitchcock, A.S. 1950. Manual
of the Grasses of the United
States. USDA Miscellaneous
Publication No. 200.
Washington, DC.



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Spikelets: 3-6,
14-25 mm long,
lemma 5-15 mm
awn to 15 mm

Habitat: Grasslands

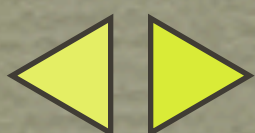
Blooming Period: April-August



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Slender hairgrass

Deschampsia elongata

POACEAE - Grass Family



© Matt Lavin - Flickr (CC BY-SA 2.0)
Note finger for scale



Hitchcock, A.S.
1950. Manual of
the Grasses of the
United States.
USDA



© Matt Lavin - Flickr (CC BY-SA 2.0)

Description: Densely clumped perennial, stems to 7 dm. Leaves 4-8 cm, flat to inrolled

Inflorescence: <1 cm wide, branches spike-like, ascending

Spikelets: Tips purplish, glumes 3-5 mm, lemma 2-3 mm, awn 1-5 mm

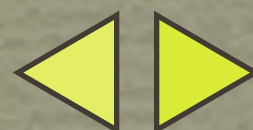
Habitat: Moist soils

Blooming Period: April-August



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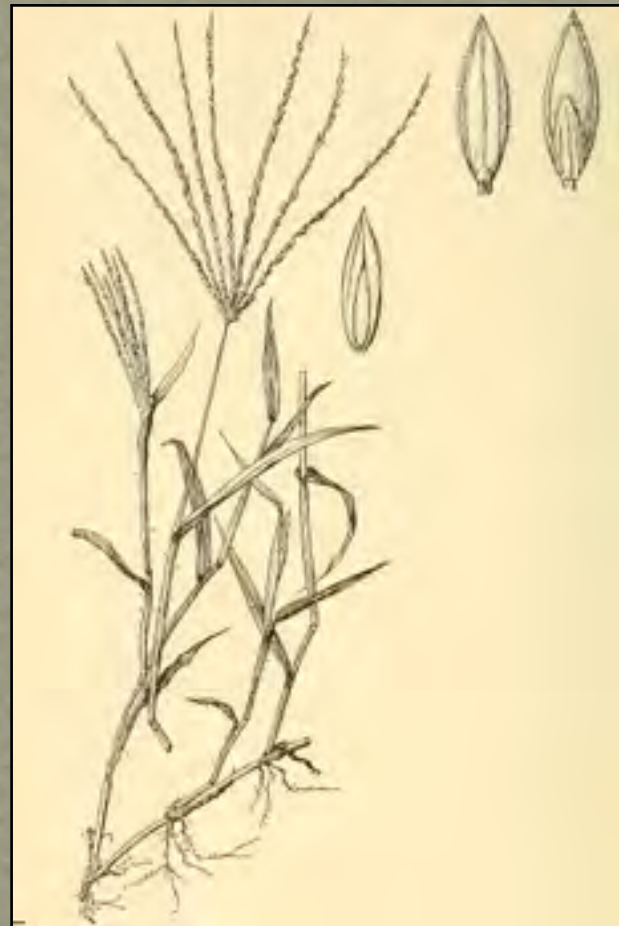
Hairy crabgrass

Digitaria sanguinalis

POACEAE - Grass Family



Wikimedia Commons: Public Domain



Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.

Description: Decumbent annual rooting at lower nodes

Inflorescence: Digitate, 4-10 branches

Spikelets: 2 per node. 2.5-3 mm, purplish

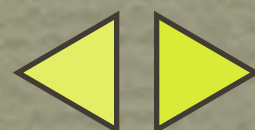
Habitat: Disturbed ground

Blooming Period: June-September



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Saltgrass

Distichlis spicata

POACEAE - Grass Family

Description: Mat-forming perennial, from rhizomes, leaves two-ranked

Inflorescence: Panicle-like, straw colored to purple

Spikelets: 2-20 per inflorescence. 5-15 florets. Glumes to 4 mm, awnless

Habitat: Saline soils

Blooming Period: April-September



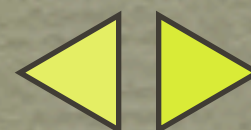
David Chipping



David Chipping



Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.





Giant wildrye

Elymus condensatus

POACEAE - Grass Family



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Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.

Description: Large perennial to 35 dm, leaves 15-30 mm wide

Inflorescence: 17-44 cm, panicle-like. 10-40 spikelets per node

Spikelets: 9-25 mm, glumes 6-16 mm, 3-7 florets, lemma 7-14 mm, awn < 4mm

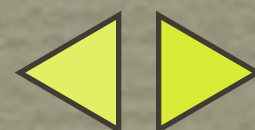
Habitat: Grassland. Open chaparral and partial shaded

Blooming Period: June-August



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Blue wildrye

Elymus glaucus

POACEAE - Grass Family

Description: Large perennial 3-14 dm, leaves 4-12 mm wide, flat

Inflorescence: 5-21 cm, erect or nodding, intact with age

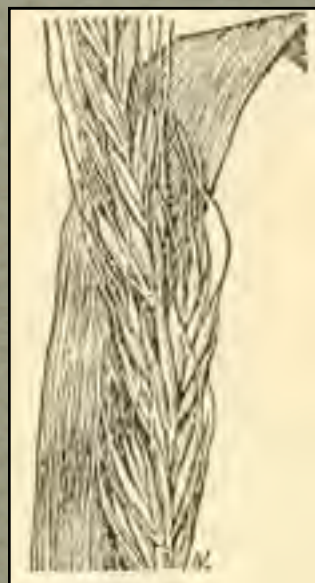
Spikelets: 8-16 mm, appressed or divergent, glumes 6.5-19 mm, 2-4 florets, lemma 8.5-14 mm, awn 0-30 mm

Habitat: Grassland. Open chaparral and partial shaded

Blooming Period: June-August



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Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.

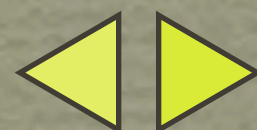


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Beardless wildrye

Elymus triticoides

POACEAE - Grass Family

Grasses

Description: Tall perennial from rhizomes, to 12 dm tall

Inflorescence: 5-20 cm, spikelets 2 per node

Spikelets: Glumes 5-16 mm, awl-like, florets 3-7, lemma 5-12 mm, awn to 3 mm



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Habitat: Saline soils,

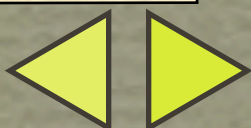
Blooming Period: June-July

Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



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Tall fescue

Festuca arundinacea

POACEAE - Grass Family

Description: Tall perennial to 20 dm. Leaf 25-70 cm

Inflorescence: 5-20 cm, spikelets 2 per node

Spikelets: 8-16 mm. Upper glume 4-9 mm, florets 3-8, lemma 4-12 mm, awn 0-4 mm

Habitat: Grassland, disturbed ground

Blooming Period: May-June



David Chipping

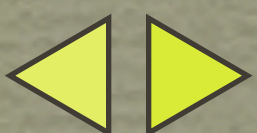


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Elmer's fescue

Festuca elmeri

POACEAE - Grass Family



Hitchcock, A.S. 1950.
Manual of the Grasses of
the United States.

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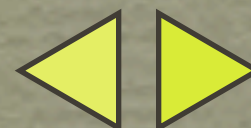
Description: Perennial to 10 dm, loosely tufted. Leaf to 40 cm

Inflorescence: 10-20 cm, branches slender, drooping

Spikelets: 7-11 mm. Upper glume 3-4.5 mm, florets 2-6, lemma 5.5-7 mm, awn 2-5 mm

Habitat: Moist ground, under trees

Blooming Period: May-July



Rattail fescue

Festuca myuros

POACEAE - Grass Family

Grasses



Hitchcock, A.S. 1950.
Manual of the Grasses of
the United States

Santa Monica Mountains National Recreation Area Public Domain

Description: Annual to 7.5 dm

Inflorescence: 4-25 cm, dense, branches
2-3 per node

Spikelets: 5-11.5 mm. Upper glume 2.5-5.5
mm, florets 3-6, lemma 4.5-6.5 mm, awn
5-15 mm

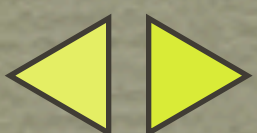
Habitat: Open ground, sandy soils

Blooming Period: February-May



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Ryegrass

Festuca perennis

POACEAE - Grass Family

Description: Tall erect annual, perennial. from rhizomes, to 10 dm

Inflorescence: 3-30 cm, spike-like, sometimes with spike-like branches

Spikelets: 5-22 mm, glume 3.5-15 mm, lemma 3.5-9 mm

Habitat: Grassland, disturbed sites

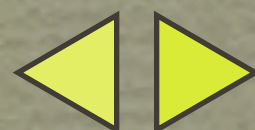
Blooming Period:
May-July



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Nit grass

Gastridium phleoides

POACEAE - Grass Family



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Hitchcock, A.S. 1950.
Manual of the Grasses of
the United States



Santa Monica Mountains
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Description: Erect to 4 dm. Leaves 4-9 cm

Inflorescence: Panicle-like, 1.5-9 cm, 4-10 mm wide, narrow, compact

Spikelets: 3-5 mm, laterally compressed. Lower glume 6-7 mm > upper glume. Lemma << glumes

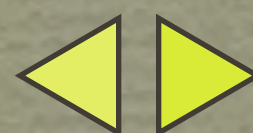
Habitat: Open sites

Blooming Period: April-November



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Velvet grass

Holcus lanatus

POACEAE - Grass Family



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Hitchcock, A.S. 1950.
Manual of the Grasses of
the United States.
USDA Miscellaneous
Publication No. 200.
Washington, DC.

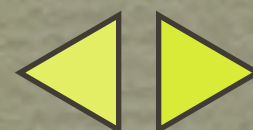
Description: Erect perennial, 2-10 dm, leaf blade 5-18 cm

Inflorescence: 7-15 cm, panicle-like, congested to open

Spikelets: Glumes 3-6 mm. lemma 3-4 mm

Habitat: Moist soils

Blooming Period: June-August





California meadow barley

Hordeum brachyantherum subsp. californicum

POACEAE - Grass Family

Description: Native slender perennial to 6.5 dm. Leaf sheath densely hairy, blade to 11 cm, to 3.5 mm wide. Mature grass tends to be decumbent

Inflorescence: 3-10 cm, green to purple

Habitat: Grassland, damp soils

Spikelets: Central spikelet glumes 9-19 mm. lemma awn <7.5 mm

Blooming Period: March-July



Stephen Laymon: BLM
Public Domain Image



David Chipping



Mediterranean barley

Grasses

Hordeum marinum subsp. gussonianum

POACEAE - Grass Family

Description:

Introduced
annual, 1-5 dm

Inflorescence:

1.5-7 cm, green
to purple



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Spikelets: Glumes 14-26
mm. lemma 4-6 mm, awn
3-8 mm

Habitat: Grasslands, clay soils

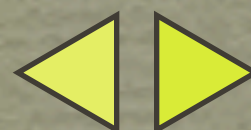
Blooming Period: April-June



Manual of the Grasses of the
United States: A.S.
Hitchcock. U.S. Dept.
Agriculture

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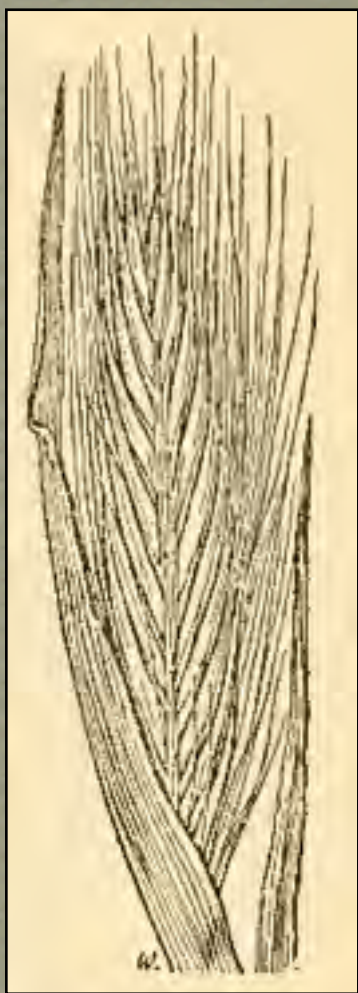


Mouse foxtail barley

Grasses

Hordeum murinum subsp. leporinum

POACEAE - Grass Family



Manual of the Grasses of the United States: A.S Hitchcock. U.S. Dept. Agriculture

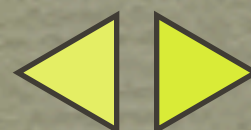


Joan Estrada Bonell: Spain:Flora de Ponent: No Restrictions

Description: Winter annual, 3-11 dm
Inflorescence: 3-12 cm, green to red-brown
Spikelets: Central spikelet on 1-2 mm stalk, glumes 11-25 mm. Lemma 8-14 mm, awn long, 20-40 mm
Habitat: Grasslands, once cultivated
Blooming Period: February-May

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Mexican sprangletop

Leptochloa fusca subsp. uninervia

POACEAE - Grass Family

Description: Erect annual up to 10 dm tall, branched. Stem internodes hollow.

Inflorescence: 1-7 dm, branches ascending

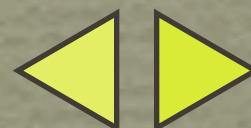


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Spikelets: 5-7 mm, glumes 1-2 mm, unequal. Lemma awnless. 6-9 florets

Habitat: Disturbed wet areas

Blooming Period: March-December





Little melic

Melica imperfecta

POACEAE - Grass Family

Description:

Erect to spreading,
multistem
perennial 3.5-12
dm

Inflorescence:

5-36 cm, branches
generally
appressed to
spreading

Spikelets: 3-7 mm,
glumes 2-6 mm, lemma
3-7 mm

Habitat: Drier trailside
areas.

Blooming Period: April-
May



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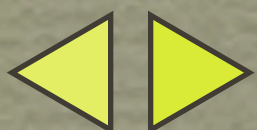


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Deer grass

Muhlenbergia rigens

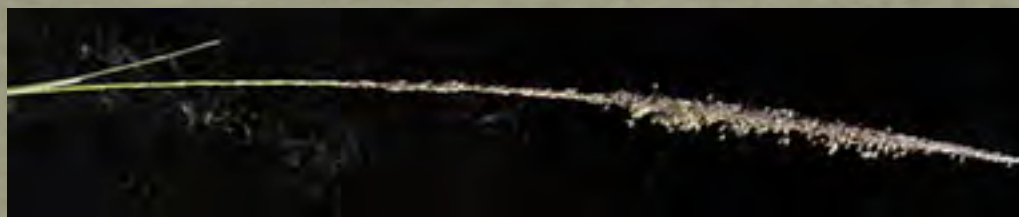
POACEAE - Grass Family



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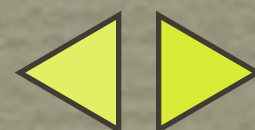
Description: Densely clumped perennial to 15 dm. Leaf blades 10-50 cm

Inflorescence: 15-60 cm cylindrical, narrow. Branches appressed, densely flowered

Spikelets: 3-7 mm, glumes 1.8-3 mm, lemma 2.5-3.5 mm

Habitat: Stream bottoms

Blooming Period: June-September





Knot grass

Paspalum distichum

POACEAE - Grass Family



David Chipping



Britton, N.L., and A. Brown. 1913. An illustrated flora of the northern United States, Canada and the British Possessions. 3 vols. Public Domain

Description: Perennial, creeping stems to 6 dm. Leaf blades to 14 cm, tips inrolled

Inflorescence: 2-7 ascending, terminal racemes

Spikelets: Single, 2.4-3.2 mm, appressed to rachis, straw colored to purplish

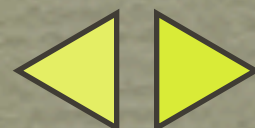
Habitat: Wetland edges

Blooming Period: June-October



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Harding grass

Phalaris aquatica

POACEAE - Grass Family

Description:

Erect perennial in robust clump, basal internodes swollen.

Inflorescence:

1.5-15 cm, cylindrical to ovate

Spikelets: Glumes 4-5 mm, 1-2.5 mm wide, lemma 3-4.5 mm, hairy near tip

Habitat: Grassland, disturbed areas.

Blooming Period:

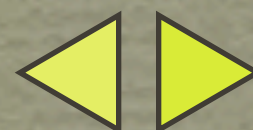
April-August



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Lesser canarygrass

Phalaris minor

POACEAE - Grass Family

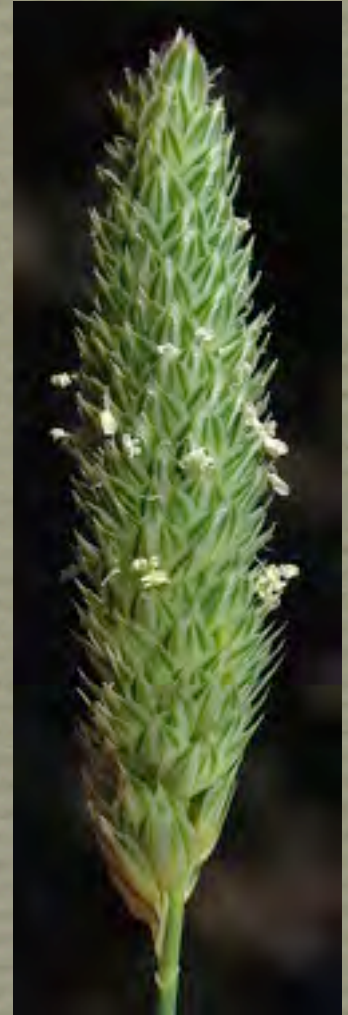
Grasses



Hitchcock, A.S.1950. Manual of the Grasses of the United States.



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Description: Erect annual 2-10 dm

Inflorescence: 2-8 cm, 1-2 mm wide, oblong to ovoid

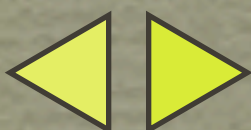
Spikelets: Glumes 5-6 mm. Lemma 2.5-4 mm

Habitat: Grassland, disturbed areas.

Blooming Period: April-July

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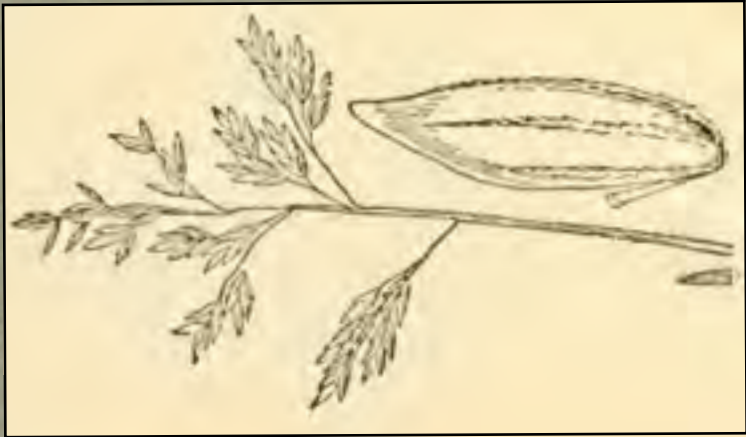


Annual bluegrass

Poa annua

POACEAE - Grass Family

Grasses



Hitchcock, A.S. 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



James Lindsey: Wikipedia Creative Commons (CC BY-SA 3.0)

Description:

Annual to biennial
to 2 dm high

Inflorescence:

Triangular to 10 cm

Spikelets: Axis
hidden. Glumes
equal. Lemma
2.5-4 mm



Rasbak: Wikipedia Creative Commons (CC BY-SA 3.0)

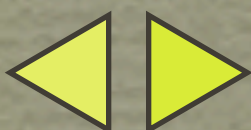
Habitat: Disturbed moist ground

Blooming Period: February-September



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Ditch beardgrass

Polypogon interruptus

POACEAE - Grass Family

Grasses



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Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the Grasses of the United States.

Description: Erect, clumped perennial to 9 dm, leaf to 19 cm

Inflorescence: 1.5-18 cm long, interrupted,

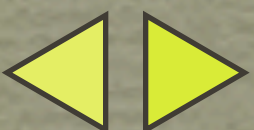
Spikelets: Glumes 1.5-3 mm, awn to 1.5-4.4 mm. Lemma 1-2 mm, awn 0.5-3 mm

Habitat: Moist and wet areas

Blooming Period: May-August

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Rabbitfoot grass

Polypogon monspeliensis

POACEAE - Grass Family

Description:

Erect annual to 10 dm, leaf to 20 cm

Inflorescence:

Dense, plume-like
1.5-5 cm long

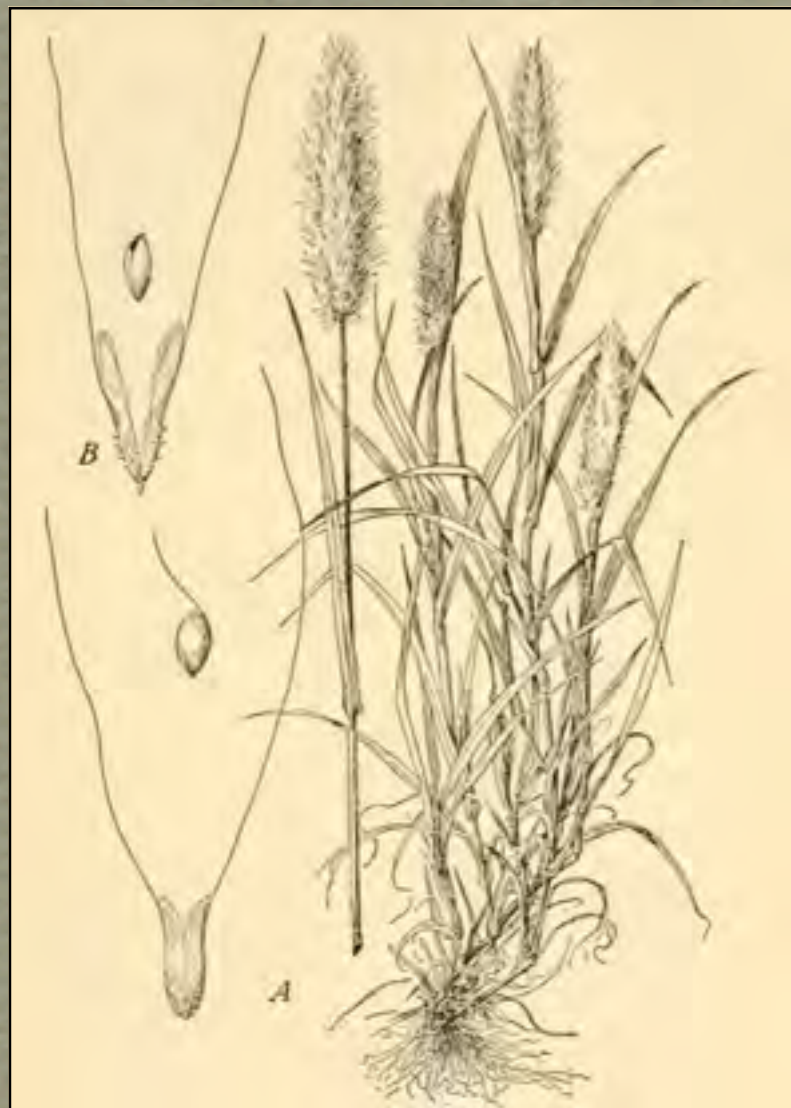


David Chipping

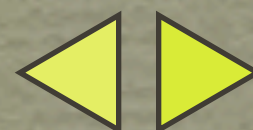
Spikelets: Glumes 1-2.5 mm, awn to 10 mm.
Lemma awn to 4.5 mm

Habitat: Moist,
and wet areas

Blooming Period:
April-August



Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



Water beardgrass

Polypogon viridis

POACEAE - Grass Family

Grasses

Description:

Erect perennial up to 10 dm high

Inflorescence:

Narrowly lanceolate to elliptical, often interrupted, 2-15 cm

Spikelets: Glumes 1.5-2 mm. Lemma 1-1.5 mm, awnless

Habitat: Moist, disturbed areas.

Blooming Period:
May-June

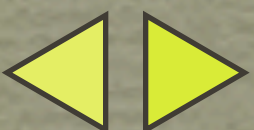


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Green bristlegrass

Setaria viridis

Grasses

POACEAE - Grass Family



Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



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Description:

Decumbent to erect annual to 10 dm. Leaves both basal and cauline

Inflorescence: 2-15 cm, bristly.

Spikelets: 2 mm. Upper glume 2 mm, lower glume 1mm. Lemma acute-tipped

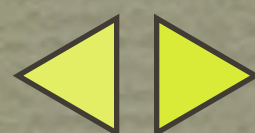
Habitat: Damp, disturbed areas.

Blooming Period: March-April



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Foothill needlegrass

Stipa lepidota

POACEAE - Grass Family

Grasses

Description: Tufted perennial to 10 dm. Leaves 12-23 cm long, 1-3.5 mm wide

Inflorescence:

9-55 cm, open

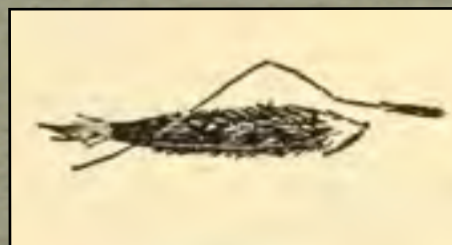
Spikelets: Glumes 5.5-15 mm, lanceolate. Lemma less than 6 mm long. Lemma awn 12-55 mm, bent twice.

Habitat: Open woody and brushy areas

Blooming Period:
March-June



Santa Monica Mountains National Recreation Area: Public Domain



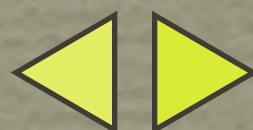
David Chipping

Floret: Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the Grasses of the United States. USDA Miscellaneous Publication No. 200. Washington, DC.



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Purple needlegrass

Stipa pulchra

POACEAE - Grass Family

Grasses



David Chipping



Hitchcock, A.S. (rev. A. Chase).
1950. Manual of the Grasses of the
United States. USDA
Miscellaneous Publication No.
200. Washington, DC.

Description: Tufted
perennial to 10 dm. Leaves
10-20 cm long, 1-5 mm wide

Inflorescence: 18-60 cm, open

Spikelets: Glumes 12-20 mm, lanceolate.
Lemma hairy, about 3 mm long. Lemma awn
38-100 mm, bent twice

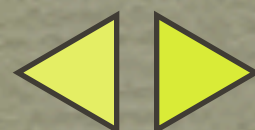
Habitat: Often on poor soils, trailside

Blooming Period: March-June



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Pacific bulrush

Sedges

Bolboschoenus maritimus subsp. paludosus

CYPERACEAE - Sedge Family

Description: Erect perennial up to 150 cm. Stem 5-15 mm diameter. Leaf sheath papery

Inflorescence: Proximal bract 4-15 mm wide, 2-40 sessile spikelets, 7-40 mm long, flower anthers yellow

Habitat: Wetlands

Blooming Period: Summer



David Chipping

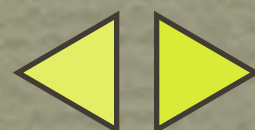


David Chipping



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Seacoast bulrush

Bolboschoenus robustus

CYPERACEAE - Sedge Family



David Chipping

Description: Erect perennial up to 2 m high

Spikelets: Inflorescence surrounded by several leafy bracts, spikelets 10-25 mm long in congested umbel, anthers orange

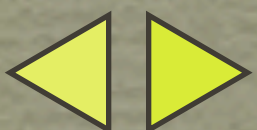
Habitat: Wetlands

Blooming Period: Summer



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Harford's sedge

Carex harfordii

CYPERACEAE - Sedge Family

Description: In clumps, stems leaning. Stem green. Leaf blade 2-5 mm wide



David Chipping

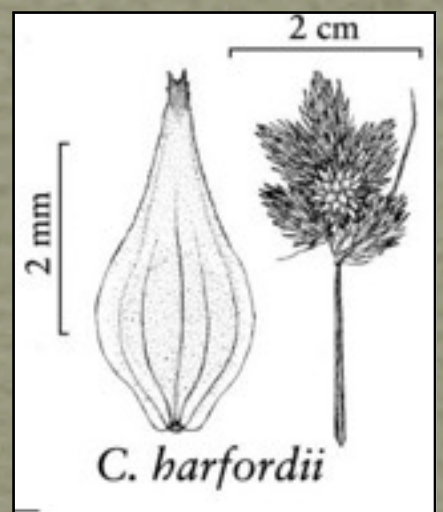
Inflorescence: Dense,, 1.5-4 cm, dark brown to black. Spikelet stalks 12-36 cm



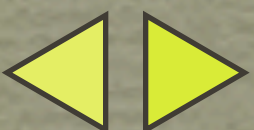
David Chipping

Habitat: Pine forest, also moist areas

Blooming Period: February-September



From Flora of North America





Torrent sedge

Carex nudata

CYPERACEAE - Sedge Family

Description:

Dense tussocks
in stream bed

Inflorescence:

Lateral spikelet
2.5-5 cm, bract
base dark
margined. Pistillate
flower bract dark
purple

Habitat: Stream bed

Blooming Period:

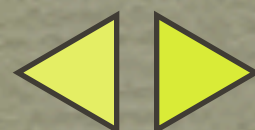
April-August



David Chipping



David Chipping





Slough sedge

Carex obnupta

CYPERACEAE - Sedge Family



David Chipping



David Chipping

Description: Rhizomatous, clumping. Sheath front w. purple prickles. Leaf blade 3-7 mm wide

Inflorescence: Spikelets 2.5-25 cm, 4.5-10 mm wide, flexible, nodding.

Habitat: Wetlands, moist soils

Blooming Period: June-September





Saw-toothed sedge

Carex serratodens

CYPERACEAE - Sedge Family

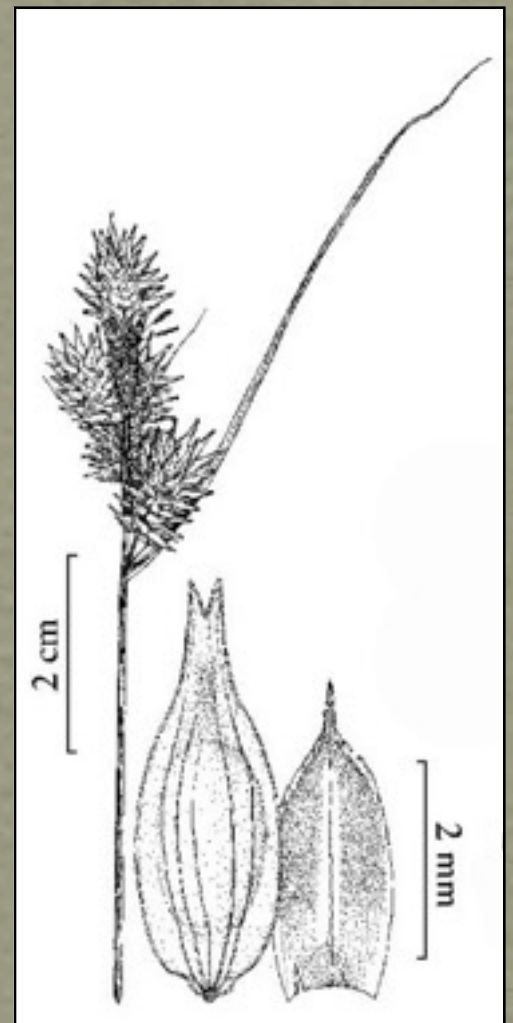
Sedges



Arizona State University Vascular Plant Herbarium
Public Domain



David Chipping



from Flora of North America

Description: Stem 30-120 cm. Clumping.
Leaf blade 1.7-4 mm wide

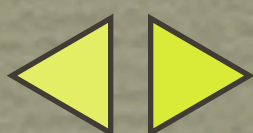
Inflorescence: Terminal spikelet staminate
at base, lower spikelets sessile. Pistillate
bracts purple

Habitat: Moist soils

Blooming Period: April-July

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Foothill sedge

Carex tumicicola

CYPERACEAE - Sedge Family

Sedges

Description:

Forms mats, loose clumps. Leaf blade flat or V-shaped, 1-3 mm wide

Inflorescence: Ovoid to oblong, >5 mm wide, 2-5 cm long, spikelets with staminate flowers above pistillate flowers

Habitat: Open woodland

Blooming Period: April-July



Daderot: Public Domain

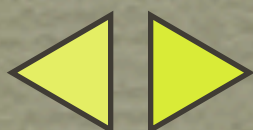


University of Michigan Herbarium: Public Domain



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Common umbrella sedge

Cyperus eragrostis

CYPERACEAE - Sedge Family

Description:

Perennial, 10-90 cm. Several stems. Fruit 3-sided. Basal leaves present



David Chipping

Habitat:

Wetlands

Inflorescence:

Bracts 4-8, 3-50 cm, spikelets 20-70, 5-20 mm, oblong and flat



David Chipping

Blooming Period:

May-November



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Needle spike-rush

Eleocharis acicularis var. acicularis

CYPERACEAE - Sedge Family

Description:

Perennial to 60 cm from rhizomes. Stems <0.5 mm in diameter. May be found part submerged



David Chipping

Inflorescence:

Terminal spikelets 2-8 mm, anthers 0.7-1.5 mm



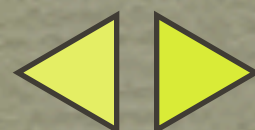
Habitat: Moist soil under pines

Blooming Period: Late spring-summer



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Keeled dwarf bulrush

Isolepis carinata

CYPERACEAE - Sedge Family

Sedges



Image from Willis Jepson: Manual of the Flowering Plants of California, 1957

Description: Small annual, 1-25 cm

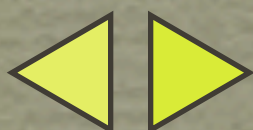
Inflorescence: Inflorescence bract 5-33 mm. Flower bracts in spikelet middle 1.8-2 mm, awn 0.2-0.5 mm. Fruit sides concave

Habitat: Drying moist places in grassland

Blooming Period: Spring

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Nodding dwarf bulrush

Isolepis cernua

CYPERACEAE - Sedge Family

Sedges

Description:

Small annual,
4-40 cm

Inflorescence:

Terminal, bracts
2-6 mm, not
clasping

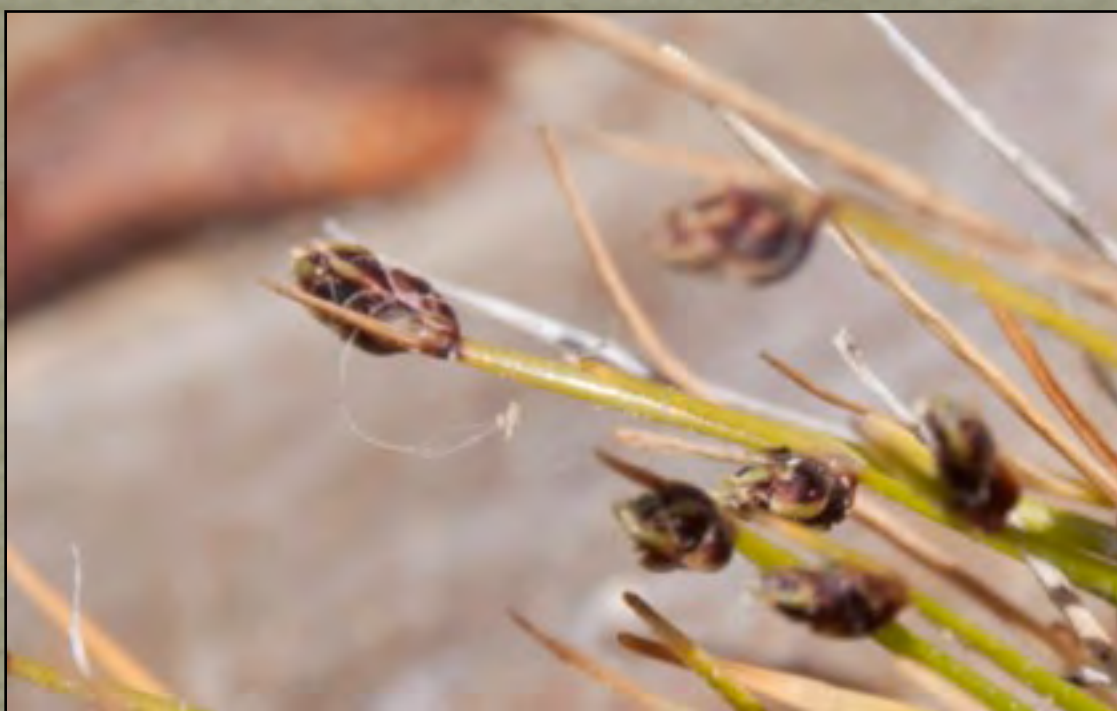
Habitat: Moist
areas, often
close to ocean

Blooming

Period: Late
spring-winter



David Chipping

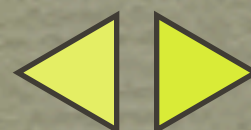


David Chipping



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Common tule

Sedges

Schoenoplectus acutus var. occidentalis

CYPERACEAE - Sedge Family

Description:

Grey-green,
rhizomatous to 4
m. Stem
cylindrical. 1-2
leaves, 3-7 mm
wide



David Chipping

Inflorescence: Panicle-
like, 3-100 spikelets

Habitat: Wetlands, coastal
fringe

Blooming Period: Summer

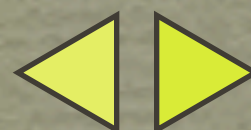


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American threesquare

Schoenoplectus americanus

Sedges

CYPERACEAE - Sedge Family

Description:

Rhizomatous perennial to 2.5 m. Stem cross section is deeply concave-sided triangular, sharp edges. 1-3 leaves, 3-sided near tip

Inflorescence:

Single dense head

Habitat: Brackish wetlands

Blooming Period: Summer



David Chipping



David Chipping

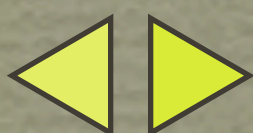


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California tule

Schoenoplectus californicus

CYPERACEAE - Sedge Family

Description:

Rhizomatous perennial to 4 m. Stem cross section is blunt triangular. Leaf blades 0-1



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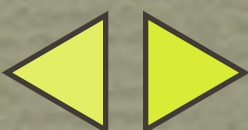
Inflorescence: Panicle-like, 20-150 spikelets, each 5-11 mm

Habitat: Coastal marshes

Blooming Period: Spring-summer



David Chipping





Common threesquare

Schoenoplectus pungens var. *longispicatus*

Sedges

CYPERACEAE - Sedge Family

Description:

Rhizomatous perennial to 20 dm. Stem cross section is triangular with flat to concave sides.



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Inflorescence: Head-like, 1-2 erect bracts

Habitat: Wetlands

Blooming Period: Late spring-Summer

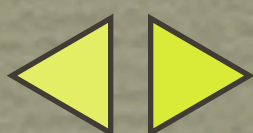


David Chipping



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Small-fruited bulrush

Scirpus microcarpus

CYPERACEAE - Sedge Family

Sedges

Description:

Native, perennial,
wide leaves (5-15
mm), stem 2-5
mm diameter

Inflorescence:

spikelets in head-like
cluster

Habitat: Moist,
areas

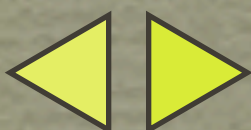
Blooming Period:
June-July



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Common toadrush

Juncus bufonius var. *bufonius*

JUNCACEAE - Rush Family



Santa Monica Mountains National
Recreation Area, NPS, Public Domain



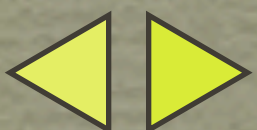
Britton, N.L., and A. Brown. 1913. An illustrated flora of the
northern United States, Canada and the British Possessions. 3 vols.
Public Domain

Description: Native annual stems to 10 cm,
branched from base

Inflorescence: Open. Flowers singly at
nodes, also crowded near branch tips

Habitat: Damp, disturbed ground

Blooming Period: May-September





Dense-flowered toadrush

Juncus bufonius var. *congestus*

JUNCACEAE - Rush Family



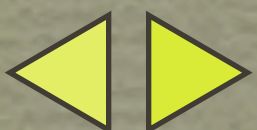
David Chipping

Description: Native annual stems to 10 cm, branched from base. Very small, plant not much larger than a quarter

Inflorescence: Flowers congested at branch tips

Habitat: Wetlands, stream beds, pools

Blooming Period: March-June





Pacific rush

Juncus effusus subsp. pacificus

JUNCACEAE - Rush Family



David Chipping



David Chipping

Description: Native, rhizomatous perennial, dense tuft of green stems to 115 cm. Basal sheath green, turning mid-brown. Capsule light brown

Inflorescence: Compact, lateral

Habitat: Moist soils

Blooming Period: June-October





Western rush

Juncus occidentalis

JUNCACEAE - Rush Family

Description: Thin, stiff stems to 30- 60 cm. Forms irregular patches. Basal sheath green, turning mid-brown. Fruit light dark brown, 3-angled



David Chipping

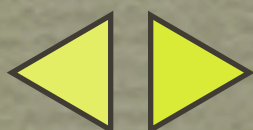
Inflorescence: Appears lateral. Cluster of flowers with green-striped brownish to reddish tepals to 2 mm , 6 stamens >anthers

Habitat: Moist sunny sites

Blooming Period: May-September



David Chipping





Spreading rush

Juncus patens

JUNCACEAE - Rush Family

Rushes



David Chipping



David Chipping

Description: Native, perennial, dense tuft of blue-green stems 30-105 cm

Inflorescence: Appears lateral, lower bract extending vertically, >> inflorescence

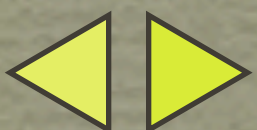
Habitat: Moist areas

Blooming Period: June-October



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Brown-headed rush

Juncus phaeocephalus

JUNCACEAE - Rush Family

Rushes

Description:

Native,
perennial,
rhizomaceus,
blue-green
stems 50 cm.

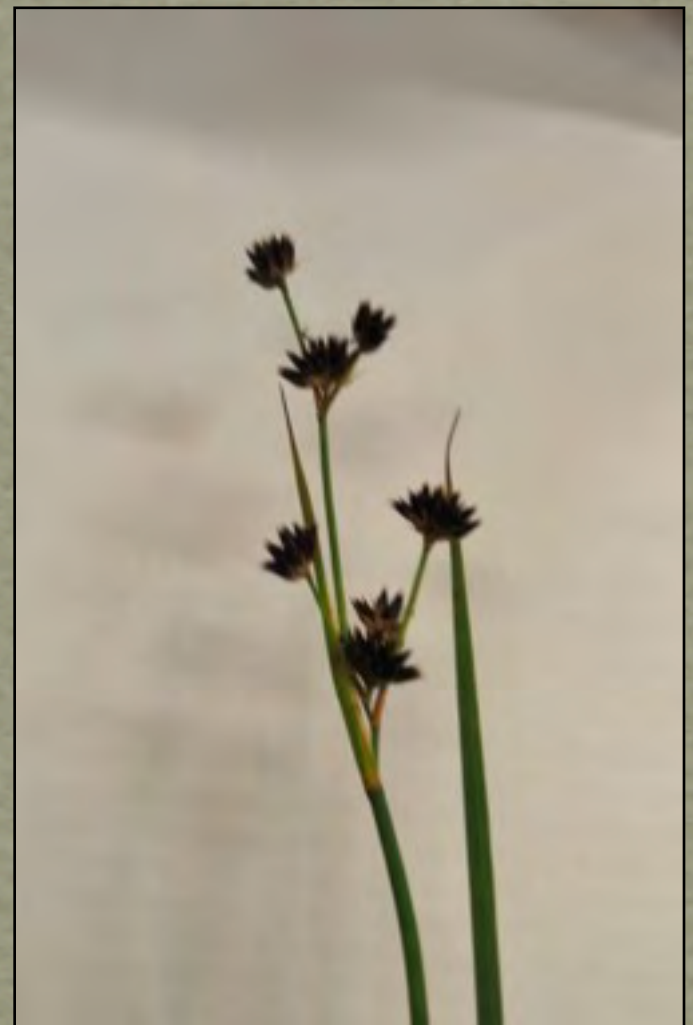


David Chipping

Habitat:

Marsh edges,
dune hollows

Inflorescence: appears
terminal, lower bract
extending vertically, about
same or slightly longer
than lowest cluster



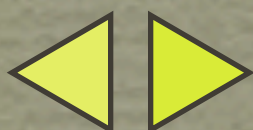
David Chipping

Blooming Period:
June-August



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Large-flowered woodrush

Luzula macrantha

JUNCACEAE - Rush Family

Description:

Perennial, to 60 cm, short rhizome. Leaves flat, thickened

Habitat: Open, drier conifer forest

Inflorescence:

Congested. Flowers in dense clusters, Perianth parts 2.5-4 mm, straw brown to light brown. Seeds ovoid, 0.7-0.9 mm wide

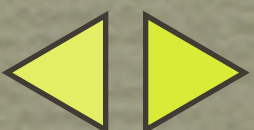
Blooming Period:
June-July



Gordon Leppig & Andrea J. Pickart:
Wikipedia Public Domain



Santa Cruz Island Reserve Herbarium
Public Domain





Short-stalked woodrush

Rushes

Luzula subsessilis

JUNCACEAE - Rush Family

Description:

Perennial, 20-30 cm, short rhizome. Leaves flat, basal to 14 cm, cauline to 3 cm.



David Chipping

Inflorescence: 1-2 sessile clusters, 1-3 peduncled clusters. Perianth parts dark chestnut brown. Seeds subspherical, 0.9-1.1 mm wide

Habitat: Open, drier woodland

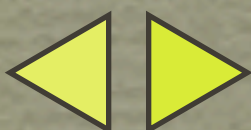
Blooming Period: April-July



University of Colorado Herbarium

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Broad-leaved cattail

Typha latifolia

TYPHACEAE - Cattail Family

Cattail

Description:

Native, to 30 dm.

Naked stem

between

staminate and

pistillate parts

absent or less

than 8 cm, leaf

width 10-30 mm



David Chipping

Habitat: Wetlands

Blooming Period:

June-July

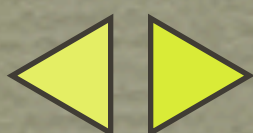


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White alder

Alnus rhombifolia

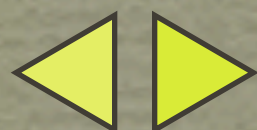
BETULACEAE - Birch Family



NPS: Public Domain

Description: Tall trees to 35 m. Leaves elliptical to 15 cm, margins serrate, shiny green above, yellow-green below. Fruit in cone-like catkins

Habitat: Banks of Santa Rosa Creek



Monterey cypress

Hesperocyparis macrocarpa

CUPRESSACEAE - Cypress Family

Description: Tall trees to 25 m. 20-32 mm seed cones. Leaves scale-like

Habitat: Planted as windbreaks. Native only to the Monterey area



David Chipping

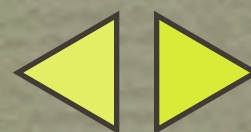


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Coast live oak

Quercus agrifolia var. *agrifolia*

FAGACEAE - Oak Family

Description:

Evergreen large tree, shiny leaves with holly-like edges, convex tops, often inrolled edges, prickly. Acorn cup scales thin

Habitat: Mixed with conifers



David Chipping



David Chipping

Scrub oak

Quercus berberidifolia

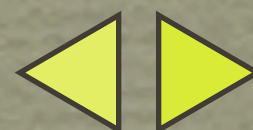
FAGACEAE - Oak Family



David Chipping

Description: Evergreen shrub to small tree to 3 m tall, shiny leaves with holly-like edges. Leaf tops flat, dark green on top, dull green below, prickly. Acorn cup scales thick

Habitat: Chaparral



Shreve oak

Quercus parvula var. *shrevei*

FAGACEAE - Oak Family

Description:

Evergreen shrub to small tree to 15 m tall, shiny leaves with holly-like edges, or smooth edged. Leaf tops flat, dull green with top darker. Acorn cup scales thin



David Chipping



David Chipping

Habitat: Chaparral



Southern California black walnut

Trees

Juglans californica

JUGLANDACEAE - Walnut Family

Description:

Deciduous shrub, small tree to 9 m. The pinnately compound leaves bear 11-15 narrow elliptical leaflets.

Habitat: Escaped from cultivation, native to southern California

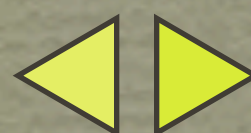


David Chipping



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English walnut

Juglans regia

JUGLANDACEAE - Walnut Family

Description:

Deciduous large tree.
The 8–14 in long
pinnately compound
leaves bear 9–15
lanceolate leaflets.
75–1.25 in wide by
2–4 in long. The
small nut has a thick
shell with deep
grooves enclosing an
oily, edible seed

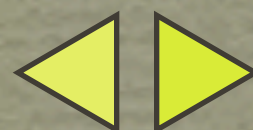
Habitat: Planted
near old homesites



David Chipping



Permission : Western New Mexico University
Department of Natural Sciences and the Dale A.
Zimmerman Herbarium





California bay

Umbellularia californica

LAURACEAE - Laurel Family

Description:

Evergreen shrub or small tree with alternate, thick, and heavily scented leaves. Fruit olive-like, flower pale yellow

Habitat:

Woodland component



David Chipping

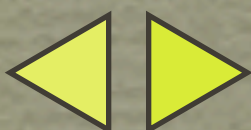


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Common fig

Ficus carica

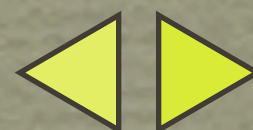
MORACEAE - Mulberry Family




David Chipping

Description: Shrub, small tree to 10 m.
Leaf 11-32 cm, widely ovate, palmately
3-7 lobed. Fruit 5-8 cm

Habitat: Old home site





Wax-myrtle

Morella californica

MYRICACEAE - Wax Myrtle Family

Description:

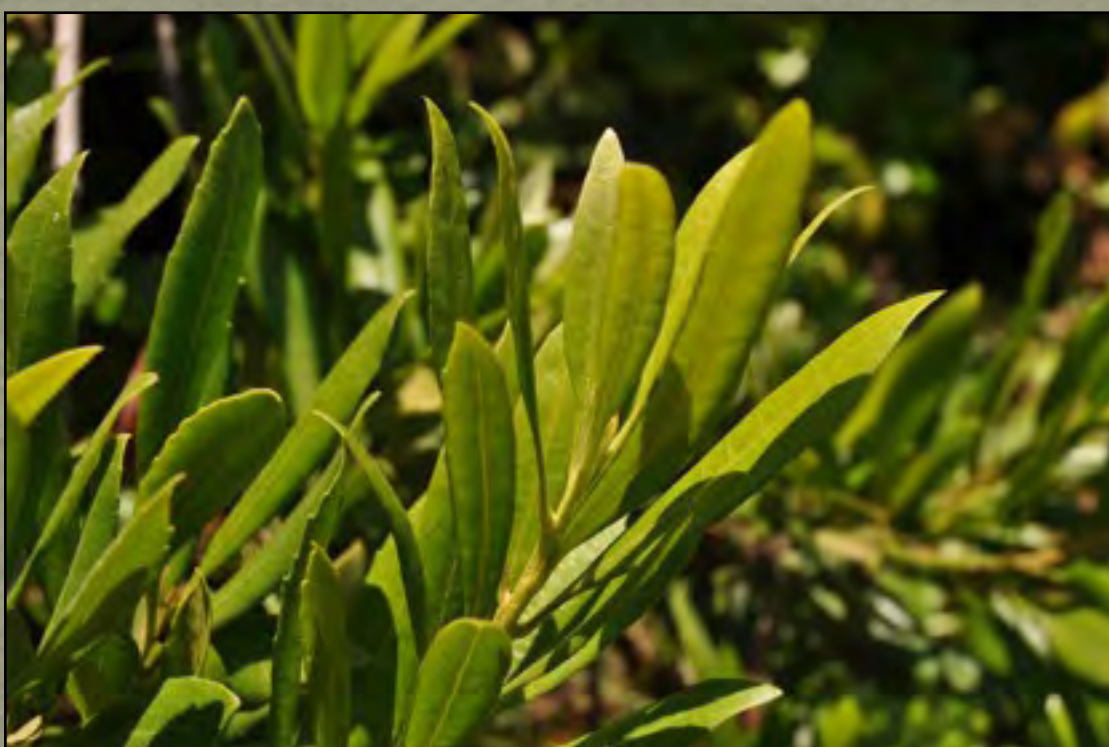
Evergreen shrub
or small tree with
shiny green,
narrow elliptical
leaves



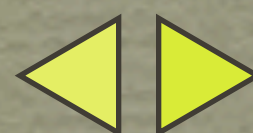
David Chipping

Habitat:

Wetlands,
Oak View trail



David Chipping



Blue gum

Eucalyptus globulus

MYRTACEAE - Myrtle Family

Description:

Evergreen tree to 60 m. Bark shreds in strips. Narrow, aromatic, elliptical leaves to 30 cm.

Hypanthium 4 ribbed, obconic, with white stamens



David Chipping



David Chipping





Bishop pine

Pinus muricata

PINACEAE - Pine Family



David Chipping



David Chipping



David Chipping

Description: Tree to 51 m, brown bark, rough ridged. Needles in groups of 2, 5-15 cm. Cones whorled, 5-9.7 cm, serotinous, reflexed, asymmetrical, scales with woody spurs

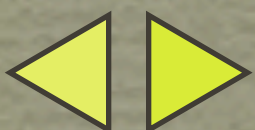
Habitat: Coniferous forest

Note: Possible misidentification of Monterey pine



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Monterey pine

Pinus radiata

PINACEAE - Pine Family

Description:

Tree. Needles in groups of 3 or 2, slender and flexible. Cones symmetrical, cone scales without spur



David Chipping

Habitat: Dominant tree of the coniferous forest

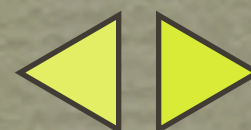


David Chipping



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Western sycamore

Platanus racemosa

PLATANACEAE - Sycamore Family

Description:

Deciduous tree to 35 m. Outer bark peeling in patches. Leaves lobed, $>1/3$ of blade, blade 10-25 cm



David Chipping

Habitat: Along Santa Rosa Creek



David Chipping



Toyon

Heteromeles arbutifolia

ROSACEAE - Rose Family

Description:

Shrub or small tree up to 10m. Leaves finely toothed and petioled, 5-10 cm long. Fruit a pome, maturing from green to red



David Chipping

Flowers: In panicles.

Hypanthium urn-shaped, petals less than 4 mm



David Chipping

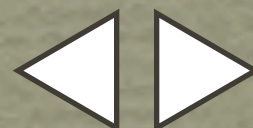
Habitat: Chaparral and oak woodlands

Blooming Period: June-August



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Pear

Pyrus communis

ROSACEAE - Rose Family

Description:

Shrub to small tree up to 9 m. Leaves petioled, 2-7 cm, ovate shaped. Fruit a pear

Flowers: In terminal few-flowered clusters. Petals 10-15 mm

Habitat: Old home sites



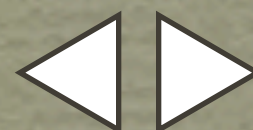
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Blooming Period: February-April



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Black cottonwood

Populus trichocarpa

SALICACEAE - Willow Family

Description:

Leaf round at base, acute at tip, 7-20 cm long.

Deciduous.



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Habitat:

Riparian tree scattered amongst willows in creek floodplains, usually the tallest tree

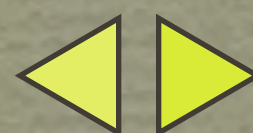


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Red willow

Salix laevigata

SALICACEAE - Willow Family

Description:

Shrub to small tree, to 15m.

Long leaves, green above, pale pubescent below
Petioles lack glands. Scales yellow. Deciduous

Habitat:

Dominant riparian tree along creeks

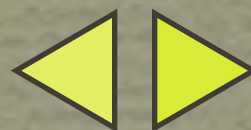


Brad Seek



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Pacific willow

Salix lasiandra var. *lasiandra*

SALICACEAE - Willow Family

Description:

Shrub to small tree, to 11m.

Long leaves, green above, pale pubescent below
Petioles with glands at base of blade. Scales yellow. Deciduous



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Habitat:

Dominant riparian tree along creeks

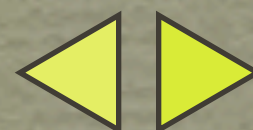


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Arroyo willow

Salix lasiolepis

SALICACEAE - Willow Family

Description:

Shrub to small tree, to 10m.

Long leaves, green above, pale pubescent below. Scales dark.

Deciduous



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Habitat:

Dominant riparian tree along creeks

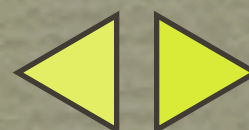


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Sitka willow

Salix sitchensis

SALICACEAE - Willow Family



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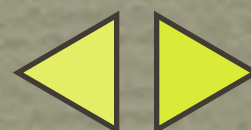
Description: Shrub to small tree, to 8 m. Leaves tomentose above, densely woolly below. Stems silky-hairy

Habitat: Infrequent riparian shrub/tree



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Big-leaf maple

Acer macrophyllum

SAPINDACEAE - Soapberry Family

Description:

Native small deciduous tree or shrub. Wide, deeply incised palmate leaves (15-30 cm wide)

Habitat: Moist, shaded areas

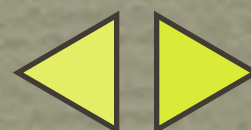


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Bigelow's spike-moss

Selaginella bigelovii

SELAGINELLACEAE - Spike Moss Family

Description:

Mossy-looking, with many small, overlapping, scale-like leaves. Green, aging to tan, then grey



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Habitat:

Mineral soil on rocky outcrops

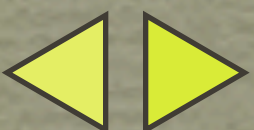


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Common mosquito fern

Azolla filiculoides

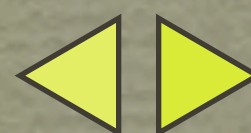
AZOLLACEAE - Mosquito Fern Family



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Description: Free-floating, round to elongate plants to 3 cm. Leaves 1.2-2 mm. Green to red in color. Roots pendant from stem forks

Habitat: Still or slow moving water





Western bracken fern

Pteridium aquilinum var. pubescens

DENNSTAEDTIACEAE - Bracken Family



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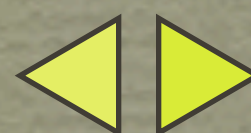
Description: Perennial, large. Leaf 3-pinnate, widely triangular, arched. Sporangia on vein tips, covered by false indusium (rolled-over leaf margin). Petioles green to light brown

Habitat: All, but common in open, sunny areas with poor soil



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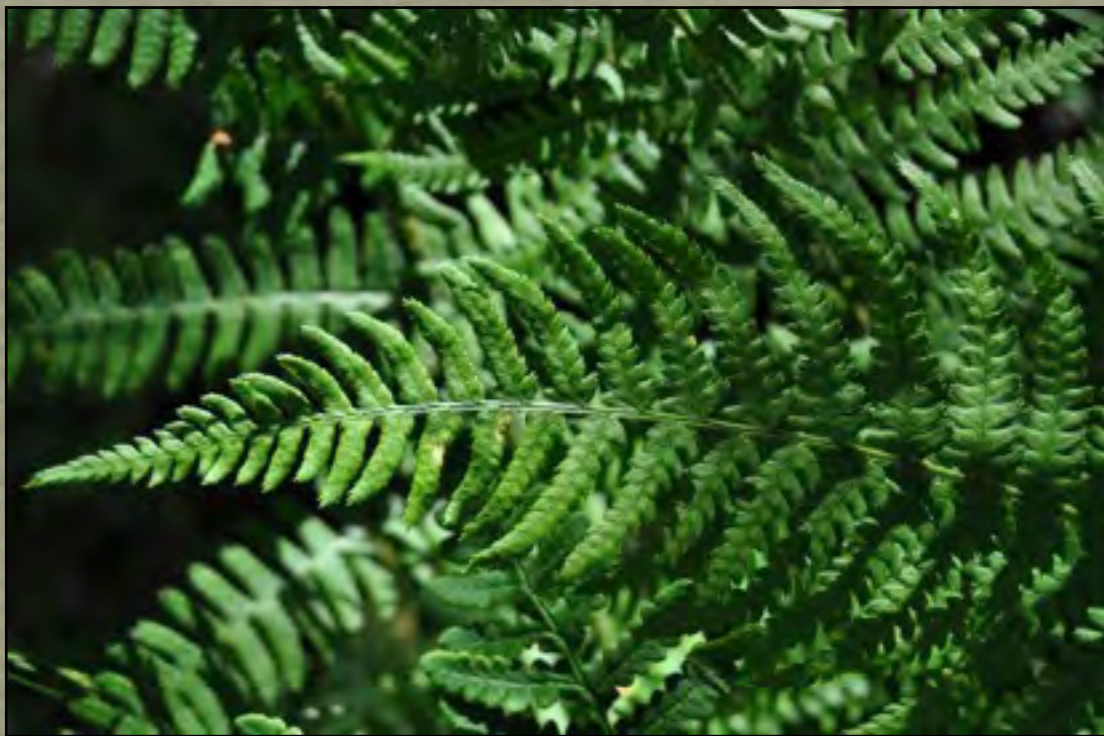
California wood fern

Dryopteris arguta

DRYOPTERIDACEAE - Wood Fern Family

Description:

Perennial. Leaf 30-60 cm, 2-pinnate. Round sporangia in 2 rows on back of leaf. Indusium notched on 1 side



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Habitat: In shaded woods

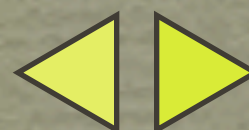


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Common sword fern

Polystichum munitum

DRYOPTERIDACEAE - Wood Fern Family

Description:

Perennial. Leaf 50-120 cm, 1-pinnate. Round sporangia in 2 rows on back of leaf. Indusium not notched

Habitat: In shaded woods



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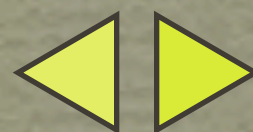


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Common scouring rush

Equisetum hyemale subsp. affine

EQUISETACEAE - Horsetail Family

Description:

Annual. Erect stem with no side branches. Cone tip pointed. 35-40 stem ridges



David Chipping

Habitat:

Wetlands



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Smooth scouring rush

Equisetum laevigatum

EQUISETACEAE - Horsetail Family



David Chipping



David Chipping

Description: Annual. Erect stem with a few side branches. Cone tip . 12-25 stem ridges

Habitat: Floodplain

Note: *Equisetum x ferrissii* - (Hybrid Scouring Rush) is a cross with *E. hyemale*, having a single stem, reduced top, and misshapen white spores rather than green as in *E. hyemale*

Giant horsetail

Equisetum telmateia subsp. braunii

EQUISETACEAE - Horsetail Family




David Chipping



David Chipping

Description: Annual. Erect stem of two kinds, fertile stem with no leaves, infertile stem with radial whorls of branches

Habitat: Near stream, damp soil



California polypody

Polypodium californicum

POLYPODIACEAE - Polypody Family

Description:

Perennial. Leaf summer-deciduous, blade 10-25 cm, deltate to ovate, 1-pinnate. Leaf upper surface midrib is hairy. Round sori in 2 rows on either side of leaf midrib. Sori 1.5-3.5 mm

Habitat: Rocky outcrops



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California maidenhair fern

Adiantum jordanii

PTERIDACEAE - Brake Family



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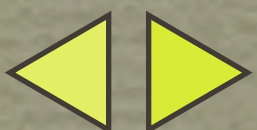
Description: Leaf 2-3 pinnate, 20-50 cm. Pinnules with 4 irregular lobes, upper edges cut. Sori 1-3 per pinnule. Stipe black to red-brown

Habitat: Moist woodland



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Coffee fern

Pellaea andromedifolia

PTERIDACEAE - Brake Family

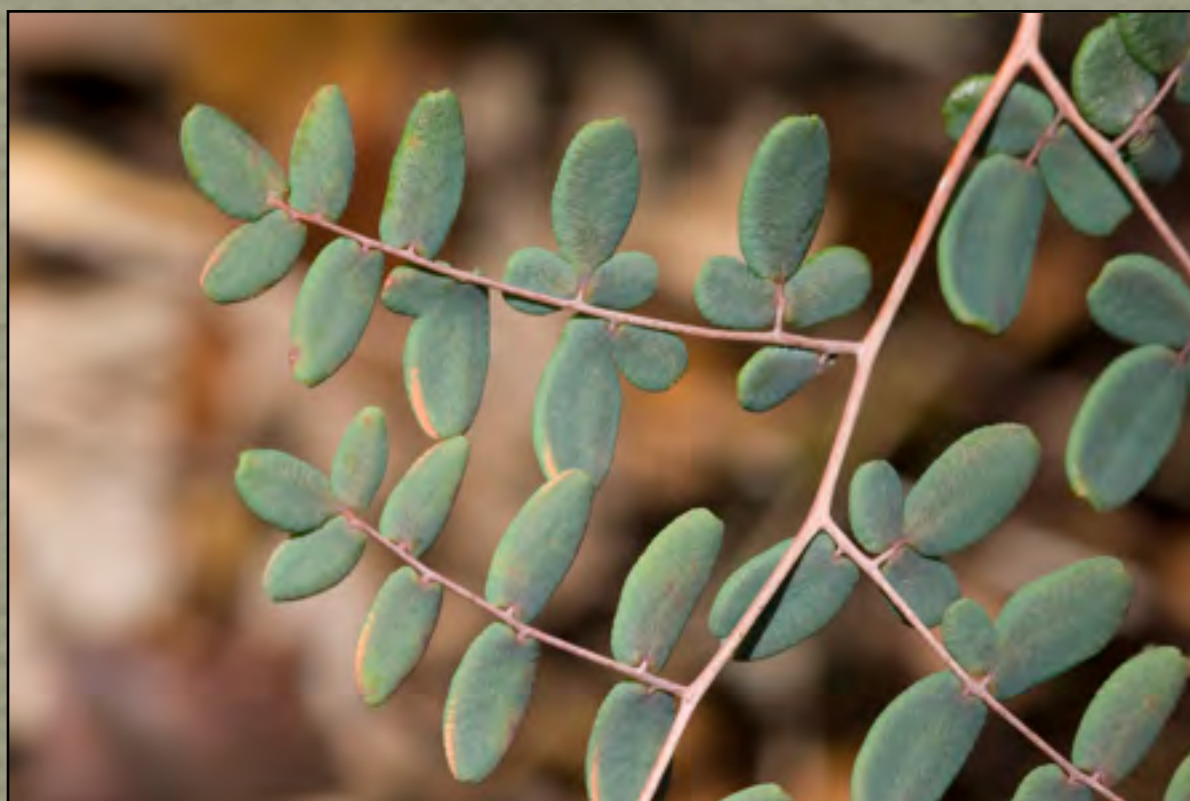
Description:

Perennial to 20 cm. Leaf 3 pinnate, leaflets obtuse at apex. Sporangia in continuous submarginal bands. Stipe, petioles light brown

Habitat: In shaded rocky areas



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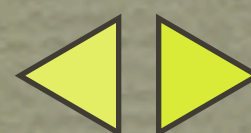


Marlin Harms



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Goldback fern

Pentagramma triangularis subsp. triangularis

PTERIDACEAE - Brake Family

Description:

Perennial. Leaf blade 3-10 cm, 2-3 pinnate, underside with golden powder. Stipe brown



David Chipping

Habitat: In shaded rocky areas

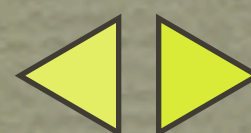


Marlin Harms



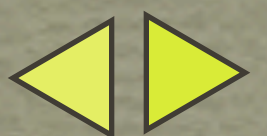
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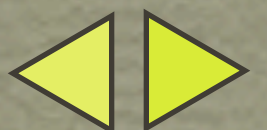
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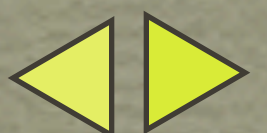
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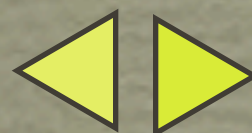
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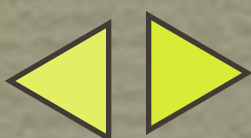
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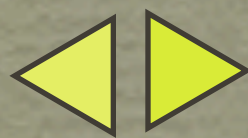
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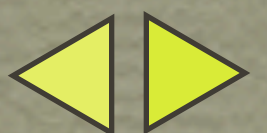
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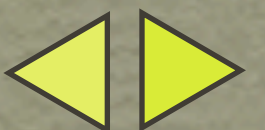
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