

# Northern California

## *Redwood Coast & The Cascades*

### A Greentours Tour Report

15<sup>th</sup> to 28<sup>th</sup> May 2023

Led by Paul Cardy

Trip Report and Systematic Lists written by Paul Cardy

#### **Day 1 Monday 15<sup>th</sup> May**

#### **Arrival and Journey to San Rafael**

It was dark as we drove through the streets of San Francisco, heading north to and across the Golden Gate Bridge. Now in Marin County, we reached our comfortable hotel in San Rafael, and settled in for a very welcome sleep.

#### **Day 2 Tuesday 16<sup>th</sup> May**

#### **Point Reyes National Seashore**

I opened my curtains to see a flock of Cedar Waxwings in the trees outside my room, some fifty of them. Northern Mockingbird was in the gardens. Breakfast at the hotel was a good buffet selection.

A scenic drive west took us through forest, including groves of Coast Redwoods at the southern limit of their range, through pasture and chaparral, to Point Reyes National Seashore. Roadsides boasted a fine lush flora, the ferns especially impressive.

Point Reyes is a 74,000 acre protected area of Douglas Fir and Bishop Pine forests, dunes, sandy beaches, rocky headlands, estuaries, coastal prairie, and pasture. It's geologically distinct from the rest of Marin County, being part of the Pacific Plate to the west of the San Andreas fault which passes straight through Tomales Bay.

Fine large spreading *Quercus agrifolia* were a feature of the meadows near the village of Olema. California Quail are common here, and we soon had great views, the male with its comical topknot.

Our first destination was Limantour Beach where we parked and walked slowly down to the shore. White-tailed Kite hovered over the almost deserted parking area, where White-crowned Sparrows were active and very confiding. Song Sparrows lived up to their name and sang prettily from the tops of bushes. California Blue-eyed Grass, an irid, was common. *Stachys rigida* was in flower, and the bird's-foot trefoils *Acmispon micranthus*, *Acmispon junceus biolettii*, and *Acmispon glaber* were identified. Damp flushes supported *Triphrysaria eriantha*, *Ranunculus californicus* was common, and Foxgloves were a surprising feature. Cliff Swallows were numerous around the bridge. *Calystegia occidentalis* was attractive, and *Scrophularia californica* was in flower. I pointed out Poison Oak as something to beware of. Here were many grasses, nearly all alien, and Monika began her work on them. There were a selection of cudweeds (see systematic lists!), *Rhamnus californica*, and *Sanicula crassicaulis*.

There were fewer birds on the ocean, and on the shore, than there have been on other visits, maybe due to the very noisy large group of students who appeared to spoil the peace. I've seen Bobcat here in the past, on more than one visit, but none today. On the water we did see Red-throated Diver, Brown Pelicans, and Black Scoter.

As we walked back, Mule Deer was at the edge of the saltmarsh, Western Kingbird sallied for insects, and a female Northern Harrier flew past. California Ringlet, in Europe called Large Heath, was our first butterfly. Characterful Bushtits moved through scrub.

Next we made a roadside stop for fine *Iris macrosiphon* and examined the Bishop Pines, *Pinus muricata*.

A short woodland walk produced a completely different selection of plants, among them *Montia perfoliata*, *Myosotis sylvatica*, *Vaccinium ovatum*, *Vicia gigantea*, *Umbellularia californica*, *Rubus parviflorus*, and *Ribes sanguineum*. Tanoak was a feature of the woodland. Wilson's Warblers were much in evidence, and American Robins flew up from the track. We admired the impressive fruits of *Marah fabaceus*, and stately Cow Parsnip, an abundant plant here. Banana Slug was impressive. Turning logs, I soon found four Slender Salamanders, an early highlight. Sonoma Chipmunks scampered through the trees.

Western Scrub-Jay was seen as we drove. We stopped at a local store and deli where we chose our lunch sandwiches, and I stocked up on general picnic supplies.

Tomales Bay State Park was a fine place to enjoy lunch, with picnic tables under the trees, a tranquil place. Chain Fern, the largest regional fern, grew at the forest edge and Osprey flew over.

The afternoon began with roadsides turned bright yellow by flowers of the very local and endangered endemic *Limnanthes douglasii* ssp. *sulphurea*, and this beautiful plant was much admired. Since my last visit these verges are now 'fenced off' and parking no longer permitted. Understandable to protect the plants, but a pity that even keen botanists are not allowed to stop and admire this special plant from a sensible distance.

Next we visited Chimney Rock where the headland supported another fine flora. The wonderfully named *Trifolium wormskjoldii* was here along with impressive *Wyethia angustifolia*, *Cirsium quercetorum*, *Sidalcea malvaeflora*, *Castilleja wightii*, *Castilleja affinis*, *Castilleja exserta latifolia*, many *Sisyrinchium bellum*, *Angelica hendersonii*, *Ligusticum apiifolium*, and *Stachys rigida* all in flower. We reached the breeding colony of very many Northern Elephant Seals, lounging on a sheltered beach, and watched them from a viewpoint for some time, listening to the strange noises they made.

Nearby we stopped to admire a bank with much *Lasthenia californica* and *Layia platyglossa*, *Calandrinia ciliata*, and very attractive *Triphrysaria eriantha rosea*.

We then headed purposefully towards the lighthouse, today foggy, with low cloud, and cool, consequently few other visitors. A rocky outcrop held many great plants, among them *Amsinckia spectabilis*, *Armeria maritima californica*, *Erigeron glaucus*, *Dudleya farinosa*, *Agoseris apargioides*, and *Castilleja exserta latifolia*. Walking towards the lighthouse itself we saw *Gaultheria shallon*, *Fragaria chiloensis*, *Cardionema ramosissimum*, *Pterostegia drymarioides*, and *Phacelia californica*. Leather Fern grew on the rocks, and Baby Blue Eyes and Cream Cups were in attractive flower.

On exposed rocks near the lighthouse were *Spergularia macrotheca*, *Plantago maritima* var. *californica*, and fine white flowered *Erysimum concinnum*. *Drosanthemum floribundum* was naturalised.

It was time to head slowly home, again enjoying the scenic drive.

Dinner was in the hotel.

### **Day 3 Wednesday 17<sup>th</sup> May**

### **Point Reyes National Seashore**

First stop today was at the visitor centre, where it was great to find that they still offered a large selection of books, and as usual I added several to my luggage! John had mentioned he wanted to see a bluebird. No problem, here was a female Western Bluebird, and later in the day a male was seen.

At the grocery store we bought our lunch supplies and had a look at the salt marshes bordering Tomales Bay where the *Plantago maritima* was impressively large. *Salicornia pacifica* characterised the habitat, and there were three species of arrow-grass, *Triglochin concinna*, *Triglochin maritima*, and *Triglochin striata*.

As we drove north, a mustelid ran across the road. Strikingly marked, this was a Long-tailed Weasel, in this part of its range more variegated than elsewhere, being rufous with black and white markings on the head.

This morning we first travelled to the northern limit of the Pierce Point Road. Roadsides had abundant naturalised *Raphanus*, pastel yellow, white, or pink, colouring vast areas. California Quail perched on fence posts. Fine views were had of Tule Elk, re-introduced in the seventies, and thriving here. They were especially atmospheric in the mist.

At McClure's Beach we walked a short trail down to the coast. *Artemisia pycnocephala* was a feature. The glabrous, orange flowered shrub *Mimulus aurantiacus* was common, with *Mimulus guttatus* here too. *Epilobium ciliatum watsonii* was identified. Walking down to the shore amid the myriad Wild Radish of various colours we saw both Stinging and Common Phacelia, the former another plant to beware of. American Goldfinches were admired and Song Sparrows sang continually. The diminutive *Isolepis cernua* grew at the trackside and *Erigeron glaucus* was in flower. On the shore, a fine deserted beach, was a mixture of Ring-billed Gulls, California Gulls, and Western Gulls.

Next was Abbott's Lagoon where a walk yielded *Castilleja densiflora* and the rare endemic Point Reyes Checkerbloom. Red-winged Blackbirds were much in evidence. Abundant *Lupinus arboreus* was impressive, and at the other end of scale in the genus was *Lupinus nanus*. *Cirsium occidentale* was imposing. Northern Harrier quartered over the scrub, where a Coyote padding along appeared to be attended by Spotted Towhees. Plants continued with *Dichelostemma capitatum*, *Montia sibirica*, and the interesting *Chorizanthe cuspidata*, San Francisco Spineflower.

Here we met several people very interested in what we were doing, and we were happy to point out a few things to them.

It was time for lunch, the Coyote (or another) making another appearance completely in the open.

In the afternoon we explored Mount Vision Road where we walked amid Bishop Pines. Western Fence Lizards basked. An ericaceous corner had *Arbutus menziesii*, *Vaccinium ovatum*, and

*Gaultheria shallon*. *Pelargonium grossularioides* was naturalised at the sides of the little used road here. Spring Azure was on the wing and Northern Flicker was seen.

We had a short last walk at Olema Marsh where was a fine show of Sky Lupines among the many Californian Poppies. Western Tree Frog was the highlight here, but the site has become very overgrown and the habitat degraded.

Both Red-shouldered Hawk and Red-tailed Hawk were seen today.

Tonight we ate in a Thai restaurant a short walk from the hotel, the food excellent.

#### **Day 4 Thursday 18<sup>th</sup> May                      Journey to Covelo, Mendocino County**

After a last look at the Cedar Waxwings, Hooded Oriole also outside the hotel, we set off on the journey north, initially on the highway before taking more minor roads towards the coast. Now in Sonoma County, our drive took us along the very scenic coast. Initially the roadside flora comprised predominantly weeds from all over the world. A short stop along the wilder rocky coast yielded an interesting flora, including *Erigeron glaucus*, *Armeria maritima californica*, *Eriogonum latifolium*, *Trifolium wormskjoldii*, *Ranunculus californicus*, *Lasthenia californica*, *Castilleja wightii*, and *Lupinus variicolor*. Pelagic Cormorant was seen and we enjoyed fine coastal views.

At the mouth of the Russian River were many Harbour Seals lounging on the sand.

One of the several state parks along the coast produced many *Lilium maritimum* in superb flower, an early highlight. We admired the lovely bark of *Arbutus menziesii*, and the flowers of *Rhododendron macrophyllum*. Also here were the yellow flowered *Viola sempervirens*, the beautiful *Lotus formosissimus*, *Trientalis latifolia*, *Scoliopus bigelowii* in fruit, *Corallorhiza mertensiana*, *Heuchera micrantha*, and *Ceanothus velutinus*. Next were superb *Clintonia andrewsiana*, but on a roadside where it was impossible to stop. We'd see them closely in a few days time. A side track took us into redwood forest where a bonus was a number of the yellow flowered *Sisyrinchium californicum*, *Thermopsis californica* here too. Chequered Skipper was a bonus, in North America called Arctic Skipper.

Having crossed into Mendocino County we had a break to do some picnic shopping.

We drove a little further to a fine coastal site where we ate lunch, having the site to ourselves, and explored the fine plant community in the dunes. Fine *Nemophila menziesii*, *Platystemon californicus*, *Camissonia cheiranthifolia*, *Cryptantha leiocarpa*, *Cardionema ramosissima*, and the distinctive endemic Dune Blue Grass *Poa douglasii* were all here.

Our journey took us as far north as Fort Bragg, and we there turned east, soon in extensive redwood forest.

Having driven through Willits, we turned onto Highway 162 that leads to Covelo, where we were greeted by a fine floral display. *Calochortus amabilis* was flowering in huge numbers, a stunning show. We stopped to photograph these and found many other fine flowers in the *Quercus kelloggii* and *Quercus garryana* woodland, such as *Dichelostemma congestum*, *Triteleia laxa*, *Ranunculus oxyrhynchus*, *Ranunculus occidentalis*, *Trifolium fucatum*, *Madia madioides*, *Nemophila heterophylla*, the impressive large *Cirsium peregrinum*, *Gilia capitata*, *Clarkia purpurea*, *Clarkia modesta*, *Clarkia concinna*, and *Phacelia imbricata*.

The great variety continued with *Iris fernaldii*, *Brodiaea elegans*, *Mimulus floribundus*, *Mimulus guttatus*, *Delphinium nudicaule*, *Trifolium incarnatum*, *Eriophyllum lanatum*, *Phacelia imbricata*, and *Linanthus bicolor*. Silvery foliaged Grey Pines were a feature of the area, a very distinctive species. *Sedum spathulifolium* was numerous on roadside rocks and California Towhee was seen.

Having reached Covelo we settled into our motel run by the Round Valley Indian Tribes. Well, that took a while as there was no-one at reception when we arrived. We took the chance to check out the current dinner options in town (always fun here!). Back at the motel there was still nobody, so I went to the adjacent store where they helpfully 'phoned the owners for me. They were on their way.

Thankfully tonight the only restaurant in town, a Mexican place, was open! Learning that was the fruit of our earlier recce. We enjoyed an evening walk to and from the restaurant, and enjoyed the excellent food at an outside table. The place was predictably full of local characters.

## Day 5 Friday 19<sup>th</sup> May

## Mendocino Pass and Highway 162

Breakfast was from the counter in the nearby supermarket, the only choice, but it was perfectly good.

The weather was fine as we set out on the road up to the Mendocino Pass. Not far from town we just had to stop for the beautiful *Penstemon heterophyllus*. There was much else here besides, including *Triteleia laxa*, *Lotus micranthus*, *Delphinium nudicaule*, *Nemophila heterophylla*, *Sambucus caerulea* in flower, *Potentilla gracilis*, *Potentilla glandulosa*, *Thalictrum fendleri*, *Lupinus bicolor*, *Thysanocarpus curvipes*, *Clarkia purpurea*, *Dichelostemma congestum*, and *Luzula comosa*. The oaks here were *Quercus garryana*, and other trees included *Prunus virginiana*, *Populus termuloides*, and *Fraxinus latifolia*. *Arctostaphylos manzanita* formed an understory. California Ringlet and Silvery Blue were on the wing, and Anna's Hummingbird nectared.

Somewhat higher *Iris fernaldii* became rather common and we stopped for the best of them. A bonus was many *Calochortus tolmiei*. *Viola purpurea* and *Lotus humistratus* were here too. Western Fence Lizards were active in the sunshine, the characterful Mountain Quail was admired, and Acorn Woodpecker was seen. Oaks supported much of the mistletoe *Phoradendron serotinum*, and *Trillium chloropetalum* was in flower under the trees.

Short stops produced *Allophyllum divaricatum*, *Linanthus bicolor*, *Pedicularis densiflora*, *Tauschia hartwegii*, *Lomatium macrocarpum*, *Microsteris gracilis*, and *Trifolium bifidum*. Pale Swallowtail and Western Tiger Swallowtail were on the wing and we saw Green-tailed Towhee and Chipping Sparrow. Black-tailed Jack Rabbit ventured onto the road.

Reaching Mendocino Pass, the highlight was the fine show of *Fritillaria recurva*, in superb flower. The attractive delphinium here was *Delphinium decorum*. Also here were *Hydrophyllum occidentale*, *Cynoglossum grande*, *Claytonia parviflora*, *Collinsia parviflora*, and *Lomatium dissectum*. Among the conifers we identified Incense Cedar and California Nutmeg.

The flora was very backward at the highest part of the road, the snow having only just melted, and the road still blocked by snow at the furthest point we could reach. The comma Hoary Anglewing *Polygonia gracilis* and Camberwell Beauty (Mourning Cloak) flew in the sunshine and *Viola sheltonii* was in flower.



The extensive White Fir forest here had been all but destroyed by extensive devastating fires. The landscape was totally changed, a shocking sight. Among birds here were Mountain Chickadee, Townsends Solitaire, and Black-headed Grosbeak.

Fine *Dodecatheon hendersonii* prompted a stop. Plants continued with *Sanicula bipinnata*, *Allium falcifolium* in leaf, and a 'cushion' *Nemophila*. There were fine patches of *Limnanthes douglasii nivea*, and *Fritillaria affinis* was in perfect flower. Chamise and Ocean Spray were characteristic of the habitat. *Lupinus luteolus* became common on roadsides, Valley Oak had impressive galls, and Bullock's Oriole was seen.

Below Covelo we made a short stop but found little new. Dinner was again enjoyed at the Mexican restaurant.

## **Day 6 Saturday 20<sup>th</sup> May**

## **Journey to Klamath**

Saying farewell to Covelo, we headed down 162 back to the main highway and motored north. Making good progress, we were soon in the great redwood forests of Humboldt County.

The Avenue of the Giants was a superb alternative route to the highway, and took us through majestic redwood groves. The atmosphere in these fantastic forests was sublime. In flower on the forest floor were plants typical of the habitat including *Viola sempervirens*, *Tiarella unifoliata*, *Boykinia occidentalis*, *Asarum caudatum*, *Oxalis oregana*, *Vancouveria planipetala*, and *Petasites hybridus*. *Scoliopus bigelowii* was in fruit, being a very early flowering species. Graceful Five-finger Fern was admired and in the understory was *Acer macrophyllum*.

We made a stop for fuel and to buy lunch supplies at a well situated store in a small community in the forest.

We stopped again to admire *Iris purdyi*, growing beside the road, seeing also *Dryopteris arguta*, and *Trillium ovatum* in fruit. Back in the vehicle we stopped again immediately for fine *Clintonia andrewsiana*, seeing too *Pityrogramma triangularis*. Another stop was prompted by superb *Aquilegia formosa*, *Maianthemum racemosum* too. *Dichelostemma ida-maia*, a species pollinated by hummingbirds, having typical red tubular flowers, was a highlight and we saw again *Woodwardia fimbriata*.

By late morning we had reached Humboldt Bay where we took the opportunity for lunch by the bird reserve HQ. A short walk yielded Black-crowned Night Heron close by, nesting Tree Swallows, Aleutian Geese, California Darter, and a *Potamogeton*, probably *Potamogeton pusillus*. *Oenanthe sarmentosa* was numerous and *Lepidium strictum* grew in the paths. White-tailed Kite hovered.

Heading north we visited the beach near Humboldt Lagoons, where was a fine dune community. The beach was littered with large old tree trunks, and scrubby *Picea sitchensis* grew behind the dunes. In flower was much *Abronia latifolia*, *Calystegia soldanella*, abundant *Lathyrus littoralis*, *Tanacetum bipinnatum*, *Glehnia leiocarpa*, and *Camissonia cheiranthifolia*. Here too was a species of *Cryptantha*. Intense searching failed to locate any of the pink flowered *Abronia umbellata* that I have seen here in the past.

The coastal scenery became very impressive as we neared Orick. We stopped at the Redwood Visitor Centre, with interesting displays and a small book selection. Acmon Blue was seen on the nearby coast.

Another alternative scenic drive took us through more stunning redwood groves. A late afternoon walk here produced a variety of new plants including *Disporum smithii*, *Ranunculus orthorhynchus*, *Geum macrophyllum*, *Tolmeia menziesii*, *Cardamine angulatus*, and *Mimulus dentatus*.

We arrived at Requa and settled into our beautiful historic hotel, a fine restored wooden building beside the Klamath River. I was dismayed to learn the hotel restaurant was currently closed. Very disappointing for such a hotel not to provide dinner. The only option nearby was a basic bar in the village, the food very good though.

## **Day 7 Sunday 21<sup>st</sup> May                      Lake Earl and Jedediah Smiths Redwoods**

It was great to hear from John and Monika that they'd watched a Black Bear in the river. We've often seen bears here, sometimes even from the dining room. Goosander was on the river too. Breakfast at the hotel was very good, but not included, so I had to pay separately every morning.

Heading north, through sprawling Crescent City, I drove us to Lake Earl, a fine protected area with a good variety of habitat. The coastal highway was scenically impressive. In town we first visited a deli counter to get lunch supplies, bombarded by choices as usual.

First of all we walked to Lake Earl itself, through interesting mixed woodland with initially Lodgepole Pine and Sitka Spruce, and in damper areas nearer the lake much Red Alder. *Gilia millefoliata* grew in the sandy soil. *Calypso bulbosa* used to be a feature of our visits here, but today were only a couple still in flower, always impressive though. *Goodyera oblongifolia* was common in leaf, and *Garrya elliptica* was in distinctive fruit. *Frangula californica* and *Frangula purshiana* were both here.

There were carpets of *Maianthemum dilatatum* and dense patches of Skunk Cabbage, *Lysichitum americanum*. The latter could be smelt from the path, and harboured Pacific Tree Frog. Two attractive species of *Salix* were in flower, *Salix sitchensis* and *Salix hookeriana*, there was *Cornus occidentalis*, *Rhamnus purshiana*, and among the sedges, *Carex obnupta*. Very tall *Equisetum hyemale affine* was a feature. Lincoln's Sparrow skulked in the vegetation.

A very short drive took us to another part of the reserve where a short walk took us to a fine colony of *Fritillaria affinis*, with many good examples. I was pleased to relocate these after a gap of a few years. *Triphrysaria pusilla* was in flower and the green tinged toadstool Parrot Cap *Gliophorus psittacinus*, was found. Western Pine Elf and two Purplish Coppers were on the wing.

Next we headed inland to the great Redwood forests. Jedediah Smith Redwoods contain some stunning groves of these majestic trees and we stopped at various photogenic points and marvelled at these giants. Ferns were a feature of the forest floor, among them *Adiantum pedatum*, *Blechnum spicant*, *Polystichum munitum*, and Brittle Bladder Fern. Here we found several of the unusual *Asarum caudatum* in flower, *Achlys californica* in leaf, and impressive large Banana Slugs.

At Stout Grove we took a circular walk around the atmospheric forest. *Vancouveria hexandra* was in flower, *Disporum smithii* was seen, *Rhododendron macrophyllum* was in good bloom, *Oxalis oregana* was abundant on the forest floor, and *Trillium ovatum* had gone over.

Log turning proved very successful here, yielding three different species of salamander. Doing this we attracted the interest of some other visitors, but they were interested when I told them what we'd

found. The salamanders were Del Norte Salamander, Speckled Black Salamander, and Painted Ensatina. Northern Flicker was in a nest hole. Siskiyou Chipmunks were much in evidence.

Outside the forest were *Rhododendron occidentale* and *Valeriana sitchensis*. There was time for another exploratory drive and I drove us along the South Fork Smith River road. *Iris tenax*, with its distinctive tough narrow leaves, was common here. The serpentine roadsides were fascinating, but some of the plants here proved difficult to identify. The floriferous *Cerastium* really looked as if it was a serpentine speciality, but was simply *Cerastium arvense*. I saw a snake, Western Yellow-bellied Racer. Fine *Aquilegia formosa* prompted another stop and white flowered *Ceanothus velutinus* was in bloom.

Among other birds today were Black-capped Chickadee and Winter Wren.

Tonight we'd decided to buy dinner from the supermarket in Crescent City, and eat in the hotel dining room, using the microwave to heat the food. In the absence of a restaurant in the hotel we could at least sit in the hotel dining room overlooking the river in the evening light. Wine too of course. This worked fine and we did it again the following evening, but it was frustrating that there was no restaurant.

## **Day 8 Monday 22<sup>nd</sup> May                      Highway 199, and O'Brien, Oregon**

Heading north again we made a lunch supply stop in Crescent City, then took Highway 199 towards Oregon. *Polypodium californicum* at a traffic light stop was new for the list!

A botanical area with a short circular path through the trees was a marvellous site, and was very productive today. The highlight and centrepiece is a small *Darlingtonia californica* bog, where we saw many of these strange insectivorous plants, with several in flower. Also in flower in the bog were some fine California Lady's Slipper Orchids, a highlight of the tour. *Iris bracteata* was in flower, and we were to see much more of it along roadsides in the area. *Viola cuneata*, *Lomatium triternatum*, *Arctostaphylos columbiana*, *Pseudotrillium rivale*, *Ligusticum grayi*, *Cercocarpus betuloides*, *Calochortus caeruleus*, and *Ceanothus pumilus* were all here too. Incense Cedar was rather common, there was impressive Jeffrey Pine, Western Red Cedar, *Chamaecyparis lawsoniana*, *Quercus chrysolepis*, and *Rhododendron occidentale* in fine flower. A good find was the local speciality *Lathyrus delnorticus*. *Aspidotis densa* was an attractive fern and *Vaccinium scoparium* was seen. Fine *Xerophyllum tenax* was a bonus. The only other visitors here had asked us what the impressive white spike of flowers they'd seen was, but by the time we'd learnt it was Bear Grass they'd seen, they'd left.

California Darner was on the wing. A beautiful adelid, a metallic micro moth, *Adela septentrionella*, flew in the sunlight, its foodplant *Holodiscus discolor*.

Beside the highway is a site for the lovely *Lewisia cotyledon*. It's always been frustrating as it's just not possible to stop safely here. All I can do is to drive slowly past. They were simply stunning this year, incredibly floriferous. We later drove past again, as slowly as we could when there was no traffic following us. They really were amazing.

The scenery became sobering now, the results of recent extensive fires was devastating, mile after mile of burnt forest, the hills charred as far as we could see at some points.



Having crossed the state line, in Oregon we took a series of minor roads from O'Brien which led us into the Siskiyou Mountains, and in time back into California. First we made a fuel stop, gas stations always having an attendant in Oregon. West of O'Brien we were in real wilderness territory. This was of course a little travelled route, with fine scenery and seemingly endless deserted mountains in all directions.

We explored a floriferous woodland clearing, where many plants included *Phlox speciosa*, *Iris innominata*, *Balsamorhiza hookeri*, *Balsamorhiza deltoidea*, *Sanicula bipinnatifida*, yellow flowered *Galium ambiguum siskiyouense*, *Allium platycaule* a fine addition, *Lomatium nudicaule*, *Phacelia hastata*, *Collinsia grandiflora*, *Odonotostomum hartwegii*, and *Sedum laxum*.

Another stop was prompted by mud puddling Pale Tiger Swallowtails, Indra Swallowtails, and Anise Swallowtails. Brown Elfins were here too, and Sagebrush Lizards basked. *Darlingtonia* grew here and there on the roadsides. The endemic *Horkelia congesta* var. *nemorosa*, the orchid *Platanthera hyperborea*, fine yellow flowered *Vancouveria chrysantha*, and white flowered *Dicentra formosa oregana* were highlights. The variety continued with *Juniperus communis*, *Arnica cernua*, and *Phlox diffusa*.

The only other person we met in this wilderness had driven his son up here to train on his bike for a forthcoming race in the Pyrenees.

At our lunch site were various manzanitas, *Arctostaphylos canescens*, *Arctostaphylos hispidula*, Gasquet Manzanita, a local endemic, and *Arctostaphylos nevadensis*. There were species of *Ceanothus*, and *Garrya buxifolia* and *Garrya fremontii* were identified. The borage *Lithospermum californicum* bloomed at the roadside.

I was very pleased to remember and find the rather obscure junction that we needed to take, the road that would take us back into California. Stops were prompted by fine *Erythronium oregonum*, deep rose *Trillium ovatum*, and lovely *Cornus nuttallii*. Having rejoined Highway 199, as mentioned above, I drove us again, twice, past the stunning *Lewisia cotyledon*.

A roadside had another fine colony of California Lady's Slipper, seen as we drove, but at another place impossible to stop.

Back in Requa, at the headland, were fewer birds than usual, but we did see Osprey. Pileated Woodpecker was seen today.

## **Day 9 Tuesday 23<sup>rd</sup> May Willow Creek, and Journey to McCloud**

It was farewell to the Requa Inn. First we headed south along the coast and having reached Arcata we turned inland.

Still in the Redwoods, a fine group of Elk had strayed onto the highway, but the few vehicles on the road slowed sensibly as they approached them. In McKinleyville we found an excellent health food supermarket for lunch supplies, an amazing selection available.

Near Willow Creek we explored some minor mountain roads, making several stops, seeing *Lomatium californicum*, *Sanicula graveolens*, *Erysimum capitatum*, fine *Limnathes douglasii nivea*, and *Anemone lyallii*.

The Horse Mountain Botanical Area was our next stop. The area affords some fine views of the extensive surrounding wilderness. Under Port Orford Cedars we found very many superb *Erythronium californicum*, a highlight, among the mat forming *Arctostaphylos nevadensis*. We were not keen to spend too long here though due to the shooting practice nearby!

The lunch site was a productive recent burn site with many superb blooming Firecracker Flower, *Dichelostemma ida-maia*, and *Triteleia hyacinthina* and *Brodiaea coronaria* too.

It was time to head more purposefully east and we followed the Trinity River for some time, in Trinity then Shasta Counties. *Linaria dalmatica* was naturalised on roadsides. Slopes were deep blue with the low growing *Ceanothus diversifolius*. A stop west of Redding to look at the *Eriodictyon californicum*, numerous in the area, also had *Grindelia camporum*.

Having driven through Shasta Ghost Town, and then Redding, we headed north on I-5, having first of all views of the distant Mount Lassen, and then our first views of the stunning Mount Shasta. We arrived in McCloud early evening and settled in to our comfortable and characterful hotel, in the almost deserted town centre, before meeting for a welcome dinner which we ate on the verandah of a nearby restaurant, the food excellent and substantial.

## **Day 10 Wednesday 24<sup>th</sup> May**

## **McCloud Area**

A short drive east took us to the McCloud River Loop, the weather superb. The understory was dominated by the attractive shrub *Arctostaphylos patula*, the low growing *Ceanothus prostratus* was flowering profusely, and at the Lower Falls Western Choke Cherry was commonly in flower. Yellow-rumped Warbler was active in the trees.

Middle Falls were impressive with a strong and noisy flow of water. *Purshia tridentata*, *Horkelia tridentata*, *Ceanothus cordulatus*, and the pretty *Eriogonum nudum* were in bloom, and *Eriodictyon lobbii* was in leaf this year.

We walked the shady path that leads to the Upper Falls. Along here were *Smilax californica*, *Lithophragma affine*, *Senecio aronicoides*, *Asarum hartwegii* in flower, Incense Cedar, *Woodsia scopulina*, *Prunus emarginata*, *Prunus subcordata*, *Viola lobata*, *Paxistima myrsinites*, and *Prosartes hookeri*. A fine *Abies concolor* grew by the river at the Upper Falls and *Pedicularis densiflora* was in impressive flower.

Squirrels seen today were Douglas Squirrel, Golden-mantled Ground Squirrel, and Yellow-pine Chipmunk.

We headed east to the impressive MacArthur-Burney Falls. Red-breasted Sapsucker flew across the road in front of us. We made a stop to admire the superb *Wyethia mollis*, now numerous on the roadsides. Here too were *Apocynum androsaemifolium* and *Sidalcea glaucescens*.

The Falls were busy with visitors and campers today. After queuing to pay for a ticket at a machine (no rangers here now to take park fees) we drove to an almost deserted picnic area by the lake shore. Steller's Jays were much in evidence, Hammond's Flycatcher sallied, and Clark's Grebes were on the water. *Thermopsis californica* was in flower and I pointed out *Rhus trilobata*.

The vegetation around the falls was impressively verdant and lush. Black Swifts nest behind the waterfall. Monika and I took a circuitous walk, seeing *Alnus rhombifolia*, *Arabis rectissima*,

*Delphinium nudicaule*, *Smilax jamesii*, *Penstemon deustus*, *Ribes roezlii*, *Arnica discoidea* in bud, *Chamaebatia foliolosa*, *Nemophila pedunculata*, *Sagina saginoides*, *Hydrophyllum capitatum*, *Chimaphila umbellata*, *Lithophragma affine*, *Silene lemmonii* new for the list, *Balsamorhiza sagittata*, *Lomatium dissectum*, and *Tonella tenella*. A stonefly was seen. A female Black-chinned Hummingbird nectared on the red *Delphinium nudicaule* flowers.

East of McCloud we found an interesting flora in a wet meadow amidst Sugar Pines. *Lewisia nevadensis* and *Micranthes oregana* (*Saxifraga oregana*) were great finds and the *Dodecathaon hendersonii* was in fine flower. *Ranunculus alismifolius* was typical of the wet habitat. Among the many other species were *Hesperochiron pumilus*, *Potentilla millefolia*, *Montia linearis*, *Montia chamissoi*, *Bistorta bistortoides*, *Epilobium densiflorum*, *Collinsia parviflora*, and *Collinsia sparsiflora*. The penstemon here was *Penstemon rydbergii*, but was all in leaf this year. Under the trees were *Lithophragma parviflora*, *Collinsia parviflora*, and *Viola praemorsa*.

Part of the extensive meadow was blue with *Camassia quamash*. Western Meadowlark sang and the attractive large dragonfly Twelve-spotted Skimmer hawked over the vegetation. A highlight came as we were nearly back at the vehicle, two Pygmy Nuthatches working trunks very close to us.

Western Tanager was also seen today.

Dinner tonight was eaten in the hotel, refreshing not to have to go out.

## **Day 11 Thursday 25<sup>th</sup> May**

## **Klamath Lakes**

Another superb day weather wise saw us traveling north, via the marvellously named town of Weed, and into the sagebrush country of the extreme north-east of the state. This was the great bird day of the trip, visiting Lower Klamath Lake on the Oregon border where a wealth of waterfowl inhabit the extensive wetlands. Well, that's how it always was in the past. The contrast this year to all my previous visits was startling. The lakes were completely dry, the vegetation already brown. Serious drought has resulted in a completely changed habitat. There were still some channels of water however, and the birds that were still here were concentrated in the few remaining pools. A drought emergency has been declared in recent years in neighbouring Klamath County, just over the border in Oregon.

Roadsides between Weed and Dorris were tantalisingly floriferous, we'd explore later in the day. Four Pronghorn were in sagebrush near Dorris.

Despite the drought conditions, we spent the morning in the environs of Lower Klamath Lake as planned. Ducks were well represented with Gadwall, Shoveler, Cinnamon Teal, Ruddy Duck, and Redhead. Canada Geese were here, Black-necked Grebe and American Coots on the remaining water, Killdeer, and Caspian and Forster's Terns. Several Marsh Wrens frequented the reeds.

A large number of American White Pelicans were in the air. Black-crowned Night Herons roosted. Icterids were many fewer in number than in the past, but Red-winged and Brewer's Blackbirds, and Brown-headed Cowbirds were here. The only Pheasant of the tour was seen. Cliff Swallows were numerous and we had close views of a nesting colony. Two Long-billed Curlews flew over, and Western Pond Terrapins basked on emergent rocks.

The vegetation comprised mostly weedy species typical of disturbed habitat such as Flixweed, and *Lepidium perfoliatum*.

I found a suitable lunch site in the extensive sagebrush scrub where *Artemisia tridentata* and Saltbrush were dominant. The initial impression was of nothing flowering in the apparently brown vegetation, but closer inspection yielded some fine things. Beautiful *Downingia insignis* around drying vernal pools was a tour highlight and here too were species of *Cryptantha* and *Navarettia*, and the small yellow flowered *Camissonia pusilla*.

At the next site were several mystery species including an *Astragalus* and an *Eriogonum*. *Delphinium nuttallianum* and *Collinsia sparsiflora* were in flower and we saw Northern Flicker.

A viewpoint, now in extensive *Juniperus occidentalis* scrub, afforded fine views of the north side of Mt. Shasta. *Holosteum umbellatum* was here, and Silvery Blue was on the wing.

Near Weed a chance stop yielded lovely *Mimulus cusickii*. and *Phacelia linearis*, two beautiful plants. Another stop, just off the highway, allowed a close look at fine *Penstemon speciosus*, locally common on roadsides here. Also here were *Phacelia heterophylla*, *Aliciella leptomeria* (previously included in the genus *Gilia*), and a species of *Hesperolinon*, probably *Hesperolinon micranthum*.

Dinner was in the diner next door to the hotel.

## **Day 12 Friday 26<sup>th</sup> May                      Tehama Wildlife Area, Lake County, and Journey to Middleton**

We left McCloud, making the most of our last views of Mount Shasta before the journey south. The weather was good and our journey to Tehama County was straightforward. Turning off the main highway we headed east from Red Bluff.

We reached the Tehama Wildlife Area, amid fine quiet countryside, extensive Blue Oak woodland. One of my main target plants, *Calochortus superbus* was indeed superb here, with many absolutely stunning examples, a late trip highlight. *Clarkia purpurea* was in attractive flower, Vaux's Swifts were in the air, California Ground Squirrel was here, and Ash-throated Flycatcher sallied. The mistletoe *Phoradendron serotinum tomentosum* was common on the oaks.

Nearby *Fremontodendron californicum* was in striking flower. The variety continued with *Cercocarpus betuloides*, *Brodiaea elegans*, very dry *Selaginella hansenii*, *Mimulus glaucescens*, *Lomatium utriculatum*, and *Rosa californica*. Edith's Chequerspot and California Hairstreak were admired.

*Polygonum bidwelliae* was a distinctive knotgrass, a regional endemic. Here too were a species of *Plagiobothrys*, *Dichelostemma multiflorum*, *Allium amplexans*, a species of *Grindelia*, and *Daucus pusillus*. We saw both Buckeye the butterfly, and Buckeye, the tree. *Asclepias cordifolia* and *Wyethia helenioides* were in flower.

We found a lovely peaceful streamside lunch site, the roadside here yielding a selection of new plants, *Lonicera interrupta*, *Phacelia egea*, *Madia subspicata*, *Collinsia tinctoria*, *Penstemon azureus*, and *Clarkia rhomboidea*.

Drying vernal pools at Hog Lake Plateau supported a particularly interesting flora. Walking across the grassland we found much *Centromadia fitchii*, *Navarettia leucocephala*, *Navarettia intertexta*, and *Navarettia heterandra*. Many *Brodiaea coronaria* were a feature of the site. Abundant *Downingia*

*bicornuta* at the fringes of the drying pools was a beautiful sight and *Eryngium castrense* was a feature. *Cuscuta howelliana*, Boggs Lake Dodder, parasitised the *Navarettia* species and the *Eryngium*. *Damasonium californicum* was distinctive. One or more species of *Plagiobothrys* were here, ten species occurring at the site, and a species of *Cryptantha*.

It was time to head south and we motored on I-5 down to Colusa County. Having left the interstate we soon saw the first *Calochortus luteus*, in fine form. A white flowered *Delphinium* flowered on roadside rocks, and *Clarkia unguiculata* and *Clarkia rubicunda* were here too. Our journey continued through scenic Lake County. A short stop at Cache Creek yielded little other than Orange Sulphurs and *Lepidium latifolium*, but did give a chance to stretch our legs.

We reached our motel, with time for packing and preparing for our departure tomorrow, before enjoying the final meal in the Chinese restaurant opposite. Meanwhile I'd washed the vehicle in readiness for returning it at the airport tomorrow.

### **Day 13 Saturday 27<sup>th</sup> May      Journey to San Francisco, and Departure**

We travelled in a leisurely fashion towards San Francisco, initially on minor roads, through the vineyards of Napa County. On Napa roadsides were a few *Calochortus vestae*, frustratingly seen from the vehicle on rocky outcrops, but in places where it was impossible to stop. We stopped for beautiful clarkias on the roadside, *Clarkia concinna*, *Clarkia rubicunda*, and *Clarkia unguiculata*.

Back in Marin County, our destination today was Mount Tiburon, a superb site. The gem of the plants here is the endemic *Calochortus tiburonensis*, but we were a little early, seeing a good number of plants but they were all in bud. *Allium lacunosum* was numerous, with a few *Allium unifolium*. *Delphinium hesperium* was in flower as was attractive *Calystegia collinum*. *Hesperolinon congestum* was a very local endemic, as was Tiburon Buckwheat. The variety continued with *Triphrysaria versicolor faucibarata*, *Lomatium dasycarpum*, *Hemizonia congesta lutescens*, *Madia sativa*, *Micropus californicus*, *Amsinckia intermedia*, *Dudleya farinosa*, and *Lupinus formosus*. There was even a lady here with a clipboard, offering information about the plants to anyone interested.

Northern Checkerspot was on the wing. A lady walking her dog alerted us to a snake that had startled her, and we were delighted to find it still there, a Gopher Snake.

There were fine views of the San Francisco skyline. We considered visiting another site in search of the endemic Tiburon Jewelflower, but decided we didn't have quite enough time. So we headed for the city, at Marin headlands having fine views of the Golden Gate Bridge, which we then crossed and drove south through the streets of San Francisco. Heading for the airport, we arrived there in good time, with time to repack and change at the car hire centre, before taking the shuttle train to the terminal.

We said our farewells after a superbly productive and enjoyable tour.



# Systematic List Number 1      Plants

The systematic order and nomenclature follow 'The Jepson Manual: Vascular Plants of California', edited by Bruce G. Baldwin et al, 2<sup>nd</sup> edition, 2012. Although the complete alphabetical arrangement is rather unusual, this superb work is the standard flora for California and this system is therefore used here. This list follows fully all the changes in classification and nomenclature since the previous edition of the Jepson Manual.

## Lycophytes

### Selaginellaceae

<i>Selaginella hansenii</i>		Tehama Co., locally common, desiccated
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## Ferns

### Blechnaceae

<i>Blechnum spicant</i>	Deer Fern	Point Reyes and Redwoods.
<i>Woodwardia fimbriata</i>	Chain Fern	Tomales Bay State Park and Redwoods.

### Dennstaedtiaceae

<i>Pteridium aquilinum</i> var. <i>pubescens</i>	Bracken	Widespread and common.
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### Dryopteridaceae

<i>Dryopteris arguta</i>	Coastal Wood Fern	Humboldt Redwoods.
<i>Dryopteris expansa</i>	Spreading Wood Fern	Del Norte Redwoods.
<i>Polystichum californicum</i>	California Sword Fern	Mendocino coast in the past.
<i>Polystichum lemmonii</i>		
<i>Polystichum lonchitis</i>	Holly Fern	McCloud River Loop.
<i>Polystichum munitum</i>	Common Sword Fern	Locally dominant.

### Equisetaceae

<i>Equisetum arvense</i>	Common Horsetail	Point Reyes.
<i>Equisetum hyemale</i> ssp. <i>affine</i>	Common Scouring Rush	Scattered records, e.g. Lake Earl (very large) and Marin County.
<i>Equisetum telmateia</i> ssp. <i>braunii</i>	Giant Horsetail	Redwoods.

### Polypodiaceae

<i>Polypodium californicum</i>	California Polypody	Requa to Crescent City roadside.
<i>Polypodium glycyrrhiza</i>	Licourice Fern	Humboldt Redwoods.
<i>Polypodium scolopendria</i>	Leather Fern	Point Reyes, lighthouse area.

### Pteridaceae

<i>Adiantum aleuticum</i>	Five-finger Fern	Redwoods.
<i>Adiantum jordanii</i>	California Maidenhair	Highway 162 and MacArthur Burney Falls.
<i>Aspidotis densa</i>	Oregon Cliffbrake	Highway 199, South Fork Smith River, and Oregon.
<i>Cheilanthes gracillima</i>	Lace Fern	McCloud area in the past.
<i>Pellaea mucronata</i>	Birdsfoot Fern	Tehama Co.
<i>Pentagramma triangularis</i>	Goldback Fern	Humboldt Redwoods.

### Woodsiaceae

<i>Athyrium filix-femina</i>	Common Lady Fern	Widespread, e.g. Lake Earl, Redwoods, Point Reyes.
<i>Cystopteris fragilis</i>	Bladder Fern	Redwoods, McCloud area and Burney Falls.
<i>Woodsia scopulina</i>	Rocky Mountain Woodsia	McCloud area.

## SPERMATOPHYTA

### Gymnosperms

#### Cupressaceae

<i>Calocedrus decurrens</i>	Incense-Cedar	Scattered records, e.g. Highway 162, Mendocino Pass, Highway 199, Del Norte Redwoods.
<i>Chamaecyparis lawsoniana</i>	Port Orford Cedar	Horse Mountain Botanical Area and the Botanical Area on Highway 199.
<i>Hesperocyparis macrocarpa</i>	Monterey Cypress	Scattered records of introduced trees. Locally very common.
<i>Juniperus communis</i>	Common Juniper	West of O'Brien.
<i>Juniperus occidentalis</i>	Western Juniper	Common between Weed and Dorris.
<i>Sequoia sempervirens</i>	Redwood	Dominant over large areas with many fine groves. Seen as far south as Marin Co. Botanical area on Highway 199 etc.
<i>Thuja plicata</i>	Western Redcedar	

#### Pinaceae

<i>Abies concolor</i>	White Fir	McCloud area and co-dominant near Mendocino Pass, where all burnt by recent fires.
<i>Abies grandis</i>	Grand Fir	Scattered records.
<i>Abies magnifica</i>	California Red Fir	Lassen Volcanic Park in the past.
<i>Picea sitchensis</i>	Sitka Spruce	North coast, e.g. Dry Lagoon.
<i>Pinus albicaulis</i>	Whitebark Pine	Lassen Volcanic Park in the past.
<i>Pinus attenuata</i>	Knobcone Pine	Scattered records, e.g. west of O'Brien.
<i>Pinus contorta</i>	Lodgepole Pine	Scattered records, e.g. Lake Earl (Shore Pine) and McCloud area.
<i>Pinus jeffreyi</i>	Jeffrey Pine	Botanical area on Highway 199.
<i>Pinus lambertiana</i>	Sugar Pine	Scattered trees, e.g. west of O'Brien.
<i>Pinus muricata</i>	Bishop Pine	Point Reyes, where locally dominant.
<i>Pinus ponderosa</i>	Ponderosa Pine	Widespread and dominant over large areas.
<i>Pinus radiata</i>	Monterey Pine	Naturalised Point Reyes (Limantour Beach).
<i>Pinus sabiniana</i>	Gray Pine	Widespread. Very large cones! Common along Highway 162.
<i>Pseudotsuga menziesii</i>	Douglas Fir	Dominant over extensive areas.
<i>Tsuga heterophylla</i>	Western Hemlock	Scattered.
<i>Tsuga mertensiana</i>	Mountain Hemlock	Scattered.

#### Taxaceae

<i>Torreya californica</i>	California Nutmeg	Mendocino Pass.
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#### Nymphaeales

#### Nymphaeaceae

<i>Nuphar polysepala</i>	Yellow Pond Lily	Humboldt Coast and Del Norte Co.
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#### Magnoliids

#### Aristolochiaceae

<i>Asarum caudatum</i>		Stout Grove, in the Redwoods, in good flower. Also Humboldt Redwoods.
<i>Asarum hartwegii</i>	Hartweg's Wild Ginger	McCloud area and Burney Falls.
<i>Asarum marmoratum</i>		Possibly seen too.

#### Calycanthaceae

<i>Calycanthus occidentalis</i>	Sweet Shrub	
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#### Lauraceae

<i>Umbellularia californica</i>	California Laurel	Marin Co., Lake Earl, etc.
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## Eudicots

### Adoxaceae

<i>Sambucus nigra caerulea</i>	Blue Elderberry	Marion Co., Covelo, and Central Valley.
<i>Sambucus racemosa</i>	Red Elderberry	Point Reyes.

### Aizoaceae

<i>Carpobrotus chilensis</i>	Sea Fig	Point Reyes coast.
<i>Carpobrotus edulis</i>	Hottentot Fig	Point Reyes coast.
<i>Drosanthemum floribundum</i>		Naturalised at Point Reyes lighthouse.
<i>Tetragonia tetragonioides</i>	New Zealand Spinach	Kehoe Beach, Point Reyes, in the past.

### Anacardiaceae

<i>Rhus aromatica</i>	Skunk Bush	MacArthur-Burney Falls and Tehama Co.
<i>Toxicodendron diversilobum</i>	Western Poison Oak	Very common and widespread. Something to beware of!

### Apiaceae

<i>Angelica hendersonii</i>		In flower at Point Reyes.
<i>Anthriscus caucalis</i>	Bur-chervil	Point Reyes in the past.
<i>Cicuta douglasii</i>	Douglas's Water Hemlock	Scattered wetland records.
<i>Conium maculatum</i>	Hemlock	Widespread and common. Abundant at Klamath Lakes.
<i>Cymopterus terebinthinus</i>		Near O'Brien and Mendocino Pass.
		Previously in the genus <i>Pteryxia</i> .
<i>Daucus carota</i>	Carrot	
<i>Daucus pusillus</i>		Tehama Wildlife Area.
<i>Eryngium armatum</i>		Sonoma Coast in the past.
<i>Eryngium castrense</i>		Hog Lake Plateau, common on the drying lake shore.
<i>Foeniculum vulgare</i>	Fennel	Scattered records, locally common.
<i>Glehnia littoralis leiocarpa</i>	Beach Silvertop	Dry Lagoon, numerous.
<i>Heracleum maximum</i>	Cow Parsnip	Widespread and locally abundant.
<i>Ligusticum apiifolium</i>		Point Reyes coast.
<i>Ligusticum grayi</i>	Gray's Lovage	Botanical area on Highway 199.
<i>Lomatium californicum</i>		Titlow Hill Road and Highway 162.
<i>Lomatium dasycarpum</i>		Tiburon Peninsula.
<i>Lomatium dissectum</i>	Fern-leaved Lomatium	Mendocino Pass and MacArthur-Burney Falls.
<i>Lomatium macrocarpum</i>	Giant-seeded Lomatium	Scattered records.
<i>Lomatium nudicaule</i>	Pestle Lomatium	O'Brien area.
<i>Lomatium triternatum</i>	Lewis's Lomatium	Botanical Walk on Highway 199.
<i>Lomatium utriculatum</i>	Foothill Lomatium	Tehama Wildlife Area.
<i>Lomatium</i> spp.		Several others seen.
<i>Oenanthse sarmentosa</i>	American Oenanthe	Scattered records. Locally abundant at Point Reyes and Humboldt Bay.
<i>Osmorhiza berteroi</i>		Point Reyes.
<i>Osmorhiza occidentalis</i>		Scattered records, e.g. Mendocino Pass and Redwoods.
<i>Osmorhiza purpurea</i>		Probably this species too in the Redwoods
<i>Perideridia gairdneri</i>	a yampah	In leaf above Covelo, 2023.
<i>Sanicula arctopoides</i>	Footsteps of Spring	By the lighthouse at Point Reyes in the past.
<i>Sanicula bipinnata</i>	Poison Sanicle	Mendocino Pass 2023.
<i>Sanicula bipinnatifida</i>	Purple Sanicle	West of O'Brien, and Tiburon.
<i>Sanicula crassicaulis</i>	Pacific Snakeroot	Redwoods and Point Reyes.
<i>Sanicula graveolens</i>	Sierra Snakeroot	Titlow Hill road.
<i>Scandix pecten-veneris</i>	Shepherd's Needle	Lake Co. In the past.
<i>Tauschia kelloggii</i>	Kellogg's Tauschia	Upper Highway 162.
<i>Torilis arvensis</i>		Point Reyes.

## Apocynaceae

*Apocynum androsaemifolium*  
*Araujia sericifera*

Bitter Dogbane  
Bladder-flower

*Asclepias cordifolia*  
*Asclepias fascicularis*  
*Asclepias speciosa*  
*Vinca major*

Purple Milkweed  
Narrow-leaf Milkweed  
Showy Milkweed  
Greater Periwinkle

Roadsides near MacArthur Burney Falls.  
Roadside in Tehama Co. Very large  
ribbed fruits. Not seen on recent tours.  
Tehama County. McCloud lower falls.  
Near MacArthur-Burney Falls in the past.  
Tehama Wildlife area in the past.  
Widespread, e.g. Point Reyes.

## Aquifoliaceae

*Ilex aquifolium*

Holly

Point Reyes in the past.

## Araliaceae

*Aralia californica*  
*Hedera helix*  
*Hydrocotyle ranunculoides*

Elk Clover  
Ivy

In leaf at Patrick's Creek in the past.  
Point Reyes.  
Marshes at Point Reyes.

## Aristolochiaceae

*Asarum caudatum*

*Asarum hartwegii*

Jedediah Smith Redwoods and Humboldt  
Redwoods  
McCloud River Loop

## Asteraceae

*Achillea millefolium*  
*Achyrachaena mollis*  
*Agoseris apargioides*  
*Agoseris heterophylla*  
*Agoseris retrorsa*  
*Ambrosia chamissonis*

Yarrow  
Blow Wives  
Seaside Dandelion

*Anaphalis margaritacea*  
*Anisocarpus madioides*  
*Antennaria rosea*  
*Anthemis cotula*  
*Arctotheca calendula*

Pearly Everlasting  
Woodland Madia  
Rosy Everlasting  
Stinking Chamomile  
Capeweed

Widespread and common.  
In seed, scattered, e.g. Highway 162.  
Lighthouse, Point Reyes.  
Tehama Wildlife Area.  
Highway 162 and McCloud.  
Point Reyes, in leaf. Also MacArthur  
Burney Falls.  
Point Reyes.  
Mendocino Co.  
Near Lassen in the past.

*Arnica cernua*  
*Arnica discoidea*  
*Artemisia californica*  
*Artemisia douglasiana*  
*Artemisia pycnocephala*  
*Artemisia suksdorfii*  
*Artemisia tridentata*  
*Baccharis pilularis*  
*Balsamorhiza deltoidea*  
*Balsamorhiza hookeri*  
*Balsamorhiza sagittata*

Serpentine Arnica  
  
California Sagebrush  
Mugwort  
Coastal Sagewort  
Coastal Mugwort  
Tall Sagebrush  
Coyote Brush  
Deltoid Balsamroot  
  
Arrow-leaved Balsamroot

Marin and Sonoma Coasts. Locally  
numerous.  
West of O'Brien.  
MacArthur Burney Falls.  
Marin Co.  
Point Reyes in leaf.  
Point Reyes and Lake Earl dunes.  
Sonoma coast in the past.  
Dominant in north-east Sagebrush.  
Locally abundant, as at Point Reyes.  
Near O'Brien etc.  
Common near O'Brien.  
MacArthur Burney Falls, and Castle Lake  
area.  
Mt. Shasta area in the past  
Scattered records.  
Tehama Co.

*Balsamorhiza sericea*  
*Bellis perennis*  
*Blennosperma nanum*  
*Calendula arvensis*  
*Carduus acanthoides*  
*Carduus pycnocephalus*  
*Carduus tenuiflorus*  
*Centaurea cyanus*  
*Centaurea solstitialis*  
*Centromadia fitchii*  
*Cichorium intybus*

a balsamroot  
Daisy  
  
Field Marigold  
Plumeless Thistle  
Italian Thistle  
a thistle  
Cornflower  
Yellow-star Thistle  
  
Chicory

Point Reyes in the past.  
Numerous at Point Reyes.  
Numerous at Point Reyes.  
Roadsides.  
Recorded.  
Numerous at Hog Lake Plateau.  
Roadsides.

<i>Cirsium arvense</i>	Creeping Thistle	Highway 162, locally common.
<i>Cirsium cymosum</i>	Peregrine Thistle	Scattered records, e.g. Abbott's Lagoon,
<i>Cirsium occidentale</i>	Cobweb Thistle	Point Reyes.
<i>Cirsium quercetorum</i>	Brownie Thistle	Point Reyes. Stemless with white flowers.
<i>Cirsium vulgare</i>	Spear Thistle	Scattered records.
<i>Corethrogyne filaginifolia</i>	California Aster	Mt. Vision Road at Point Reyes in the past.
<i>Cotula australis</i>	Australian Cotula	Point Reyes.
<i>Cotula coronopifolia</i>	Brass Buttons	Point Reyes.
<i>Crepis capillaris</i>		Point Reyes.
<i>Crocidium multicaule</i>	Spring Gold	Sagebrush scrub and west of O'Brien.
<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	In leaf
<i>Erigeron annuus</i>	Annual Fleabane	Mendocino Co.
<i>Erigeron canadensis</i>		( <i>Conyza canadensis</i> ).
<i>Erigeron foliosus</i>		South Fork Smith River in the past.
<i>Erigeron glaucus</i>	Seaside Daisy	Point Reyes, in fine flower.
<i>Eriophyllum lanatum</i>	Woolly Sunflower	Widespread and locally common, e.g. abundant Highway 162.
var. <i>grandiflorum</i>	Large-flowered Woolly Sunflower	Tehama Co.
<i>Eriophyllum staechadifolium</i>	Seaside Woolly Sunflower	In leaf at Point Reyes.
<i>Euthamia occidentalis</i>		Point Reyes in the past.
<i>Gamochaeta ustulata</i>	Silver-leaved Cudweed	Point Reyes.
<i>Gnaphthium palustre</i>	Western Marsh Cudweed	Point Reyes.
<i>Gnaphthium stramineum</i>		Point Reyes.
<i>Grindelia camporum</i>	Great Valley Gumplant	This species west of Redding?
<i>Grindelia hirsutula</i> var. <i>maritima</i>	San Francisco Gumplant	In bud Point Reyes
<i>Grindelia stricta</i> var. <i>angustifolia</i>	Saltmarsh Gumplant	Point Reyes salt marshes.
<i>Grindelia stricta</i> var. <i>platyphylla</i>	Coast Gumplant	Point Reyes headlands.
<i>Helianthella californica</i>		Near MacArthur-Burney Falls in the past.
<i>Helminthotheca echioides</i>	Bristly Ox-tongue	
<i>Hemizonella minima</i>	Miniature Tarweed	Scattered records.
<i>Hemizonia congesta</i> ssp. <i>lutescens</i>	Hayfield Tarweed	Tiburon.
<i>Hemizonia congesta</i> ssp. <i>luzulifolia</i>		Colusa Co.
<i>Hesperexax sparsiflora</i>	Short-leaved Evax	Point Reyes
var. <i>brevifolia</i>		
<i>Heterotheca grandiflora</i>	Telegraph Weed	
<i>Hieracium albiflorum</i>	White Hawkweed	Mendocino Co. in the past.
<i>Hypochoeris glabra</i>	Smooth Cat's-ear	Point Reyes.
<i>Hypochaeris radicata</i>	Rough Cat's-ear	Point Reyes.
<i>Jaumea carnosa</i>	Fleshy Jaumea	In leaf at Inverness, Point Reyes.
<i>Lactuca serriola</i>	Prickly Lettuce	In leaf.
<i>Lagophylla ramosissima</i>	Common Hareleaf	Friday Ridge Road.
<i>Lasthenia californica</i> ssp. <i>californica</i>		Point Reyes.
<i>Lasthenia californica</i> ssp. <i>macrantha</i>		Point Reyes.
<i>Layia glandulosa</i>	White Layia	Colusa County in the past.
<i>Layia platyglossa</i>	Coastal Tidy Tips	Very locally common at Point Reyes.
<i>Leontodon saxatilis longirostris</i>	Hairy Hawkbit	Point Reyes.
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Widespread and common.
<i>Logfia gallica</i>		Point Reyes.
<i>Madia elegans</i>	Common Madia	Redwoods.
<i>Madia exigua</i>	Threadstem Madia	Scattered records.
<i>Madia gracilis</i>	Gumweed	Highway 162, Tehama Co.
<i>Madia sativa</i>	Coast Tarweed	Point Reyes and Tiburon.
<i>Madia subspicata</i>		Tehama Wildlife area.
<i>Matricaria discoidea</i>	Pineapple Weed	Widespread.
<i>Micropus californicus</i>	Cottontop	Tehama Co., Tiburon.
var. <i>californicus</i>		
<i>Microseris acuminata</i>	Sierra Foothill Microseris	In fruit Tehama Co.
<i>Microseris laciniata</i>		Probably this species Highway 162.



<i>Microseris nutans</i>		McCloud River Loop in the past.
<i>Packera cana</i>	Woolly Groundsel	O'Brien area.
<i>Petasites frigidus palmatus</i>	Western Coltsfoot	Leaves and old spikes in the Redwoods.
<i>Pseudognaphalium beneolens</i>	Wright's Cudweed	Point Reyes.
<i>Pseudognaphalium californicum</i>	California Everlasting	Point Reyes, e.g. Limantour.
<i>Pseudognaphalium luteoalbum</i>	Jersey Cudweed	Point Reyes.
<i>Pseudognaphalium stramineum</i>		Point Reyes.
<i>Psilocarphus brevissimus</i>	Woolly Marbles	Point Reyes (but this species is not on the Point Reyes list, <i>Psilocarphus chilensis</i> and <i>Psilocarphus tenellus</i> are.)
<i>Pyrocoma uniflora</i>		Mt.Shasta area in the past.
<i>Rudbeckia californica</i>	California Cone-flower	Recorded in the past.
<i>Senecio aronicoides</i>	California Butterweed	McCloud area.
<i>Senecio interrigmus</i>	California Butterweed	Sagebrush scrub in the past.
<i>Senecio vulgaris</i>	Groundsel	Point Reyes.
<i>Senecio</i> sp.		Tehama Wildlife Area.
<i>Silybum marianum</i>	Milk Thistle	Locally common, as at Point Reyes.
<i>Sonchus asper</i>	Prickly Sow Thistle	Scattered records.
<i>Sonchus oleraceus</i>	Smooth Sow Thistle	Scattered records.
<i>Stephanomeria exigua</i>	Small Wreath Plant	Lake Co. In the past.
<i>Tanacetum bipinnatum</i>	Dune Tansy	Many in leaf and bud at Dry Lagoon.
<i>Tanacetum vulgare</i>	Tansy	Inverness roadside in the past.
<i>Taraxacum officinale</i>	Dandelion	Scattered.
<i>Tragopogon porrifolius</i>	Salsify	Scattered roadside records.
<i>Uropappus lindleyi</i>	Lindley's Silverpuffs	Tehama Co.
<i>Wyethia angustifolia</i>	Narrowleaf Mule's Ears	Point Reyes.
<i>Wyethia helenioides</i>	a mule's ears	Tehama Co.
<i>Wyethia mollis</i>	Mountain Mule's Ears	Locally very common on roadsides.
<b>Berberidaceae</b>		
<i>Achlys californica</i>		Probably present too.
<i>Achlys triphylla</i>	Deer-foot	Between O'Brien and Patrick's Creek.
<i>Berberis aquifolia</i>		Highway 162.
<i>Berberis nervosa</i>	Oregon Grape	Lake Earl.
<i>Berberis pinnata</i>		Highway 162.
<i>Vancouveria chrysantha</i>	Siskiyou Inside-out-Flower	West of O'Brien.
<i>Vancouveria hexandra</i>	Northern Inside-out-Flower	Del Norte Redwoods.
<i>Vancouveria planipetala</i>	Redwood Ivy	Humboldt Redwoods 2023.
<b>Betulaceae</b>		
<i>Alnus rhombifolia</i>	White Alder	MacArthur-Burney Falls and McCloud River Loop.
<i>Alnus rubra</i>	Red Alder	Locally common, e.g. Lake Earl, Point Reyes, Highway 162.
<i>Betula occidentalis</i>	Water Birch	Requa.
<i>Corylus cornuta</i>	California Hazlenut	Widespread.
var. <i>californica</i>		
<b>Boraginaceae</b>		
<i>Amsinckia intermedia</i>	Common Fiddleneck	Tiburon and surely elsewhere.
<i>Amsinckia menziesii</i>	Common Fiddleneck	Surely seen too.
<i>Amsinckia spectabilis</i>	Seaside Fiddle Neck	Point Reyes, locally common.
var. <i>spectabilis</i>		
<i>Amsinckia</i> sp.		Highway 162, small flowers.
<i>Cryptantha intermedia</i>	Common Cryptantha	Highway 162.
<i>Cryptantha leiocarpa</i>	Coast Cryptantha	Manchester dunes, new in 2023.
<i>Cryptantha</i> sp.	a cryptantha	Sagebrush near Dorris, 2023.
<i>Cryptantha</i> spp.		Several other species noted too. A large and complex genus.

<i>Cynoglossum grande</i>	Grand Hound's Tongue	Mendocino Pass, in flower.
<i>Echium candicans</i>	Pride of Madeira	Naturalised along coast.
<i>Echium piniana</i>	Tower of Jewels	Occasionally naturalised on the coast.
		Marin, Sonoma, Mendocino. Native to the Canaries.
<i>Eriodictyon californicum</i>	Yerba Santa	Commonly in flower on Day 9, and Tehama Co.
<i>Eriodictyon lobbii</i>	Matted Yerba Santa	In leaf McCloud River loop.
<i>Heliotropium curassavicum</i> var. <i>oculatum</i>		Dry Lagoon, very small examples. Not noted 2023.
<i>Hesperochiron californicus</i>		Sagebrush in the past.
<i>Hesperochiron pumilus</i>		Wet meadow near McCloud.
<i>Hydrophyllum occidentale</i>	California Waterleaf	Mendocino Pass, Titlow Hill Road, MacArthur Burney Falls.
<i>Lithospermum californicum</i>	California Puccoon	O'Brien area.
<i>Myosotis discolor</i>	Changing Forget-me-not	MacArthur Burney Falls.
<i>Myosotis latifolia</i>	Forget-me-not	Common, e.g. Point Reyes and Marin Co.
<i>Nemophila heterophylla</i>	Vari-leaf Nemophila	Highway 162. Tehama Co.
<i>Nemophila menziesii</i>	Baby Blue Eyes	Manchester and Highway 162.
<i>Nemophila parviflora</i>	Small-flowered Nemophila	Mendocino County.
<i>Nemophila pedunculata</i>		MacArthur-Burney Falls. Tehama Co.
<i>Phacelia bolanderi</i>		Klamath area in the past.
<i>Phacelia californica</i>	California Coast Phacelia	Point Reyes lighthouse.
<i>Phacelia distans</i>	Common Phacelia	Point Reyes, McClure's Beach.
<i>Phacelia egea</i>	Kaweah River Phacelia	Paynes Creek, new in 2023.
<i>Phacelia hastata</i>		West of O'Brien, locally common.
<i>Phacelia heterophylla</i>	Vari-leaf Phacelia	Scattered records, e.g. Weed area and MacArthur Burney Falls.
<i>Phacelia imbricata</i>	Imbricate Phacelia	Lower Highway 162.
<i>Phacelia insularis continentis</i>		Point Reyes 2016.
<i>Phacelia linearis</i>	Narrow-leaved Phacelia	A showy species, locally common near Weed, new in 2023.
<i>Phacelia malvifolia</i>	Stinging Phacelia	Point Reyes, McClure's Beach.
<i>Plagiobothrys bracteatus</i>	Bracted Popcorn-flower	Probably this species at Manchester.
<i>Plagiobothrys</i> spp.	popcorn-flower species	One or more species seen at Hog Lake Plateau. 10 species are listed for the site. The most likely, on the drying lake shore, were:-
<i>Plagiobothrys stipitatus</i> var. <i>stipitatus</i>	Large-flowered Stalked Popcorn-flower	
<i>Plagiobothrys stipitatus</i> var. <i>micranthus</i>	Small-flowered Stalked Popcorn-flower	
<i>Plagiobothrys</i> spp.	popcorn-flower species	Wet meadow east of McCloud. Tehama Wildlife Area.

## Brassicaceae

<i>Alyssum alyssoides</i>		Between Dorris and Weed in the past.
<i>Arabis blepharophylla</i>	Rose Rock Cress	1 in flower at the lighthouse at Point Reyes, 2015.
<i>Arabis modesta</i>		Several in fine flower on a serpentine rock slip at Mendocino Pass, 2016.
<i>Barbarea orthoceras</i>	American Winter Cress	Point Reyes.
<i>Boechera rectissima</i>	Recter's Rockcress	In fruit at MacArthur-Burney Falls.
<i>Boechera sparsiflora</i>		Near O'Brien.
<i>Brassica nigra</i>	Black Mustard	Widespread.
<i>Brassica rapa</i>	Field Mustard	Widespread and locally abundant.
<i>Cakile maritima</i>	Sea Rocket	Point Reyes and Dry Lagoon.
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Scattered.
<i>Cardamine angulata</i>	Angled Bittercress	Del Norte Redwoods 2023
<i>Cardamine californica</i>	Milk Maid's	Point Reyes in the past.

<i>Cardamine oligosperma</i>	Western Bittercress	In fruit.
<i>Cardamine nuttallii</i>		Titlow Hill road in the past.
<i>Cardamine pachystigma</i>		This species at Mendocino Pass?
<i>Caulanthus lasiophyllus</i>	California Mustard	Point Reyes in the past.
<i>Descurainia sophia</i>	Flixweed	Common at Klamath Lakes.
<i>Draba verna</i>		In fruit Mendocino Pass.
<i>Draba sp.</i>		MacArthur-Burney Falls in the past.
<i>Erysimum capitatum</i>	Douglas's Wallflower	Highway 162.
<i>Erysimum concinnum</i>	Headland Wallflower	Point Reyes Lighthouse.
<i>Erysimum menziesii</i>	Menzie's Wallflower	Point Reyes in the past.
<i>Isatis tinctoria</i>	Woad	Scattered on roadsides, mainly Mt.Shasta area.
<i>Lepidium campestre</i>	Poorman's Peppergrass	Wet meadow east of McCloud 2015.
<i>Lepidium coronopus</i>	Swine Cress	Point Reyes in the past ( <i>Coronopus squamatus</i> ).
<i>Lepidium didymum</i>	Lesser Swine Cress	( <i>Coronopus didymus</i> ).
<i>Lepidium draba</i>	Hoary Cress	
<i>Lepidium latifolium</i>	Perennial Pepperweed	Lake Co.
<i>Lepidium nitidum</i>	Shining Peppergrass	Chimney Rock, Point Reyes, in fruit.
<i>Lepidium perfoliatum</i>	Shield Peppergrass	Klamath Lakes.
<i>Lepidium strictum</i>		Point Reyes, locally common on tracks.
<i>Lobularia maritima</i>	Sweet Alison	Humboldt Bay tracks.
<i>Nasturtium officinale</i>	Water Cress	Scattered.
<i>Nocca fendleri glauca</i>		Point Reyes etc.
<i>Raphanus raphanistrum</i>		West of O'Brien 2023.
<i>Raphanus sativus</i>	Wild Radish	Widespread and abundant, especially at Point Reyes.
<i>Rorippa curvisiliqua</i>	Western Yellow Cress	McCloud area, and Olema Marsh, in the past.
<i>Sinapis alba</i>	White Mustard	
<i>Sinapis arvensis</i>	Charlock	
<i>Sisymbrium altissimum</i>	Tumbling Mustard	
<i>Sisymbrium irio</i>	London Rocket	
<i>Sisymbrium officinale</i>	Hedge Mustard	
<i>Thysanocarpus curvipes</i>	Lace Pod	Above Covelo.
<b>Campanulaceae</b>		
<i>Downingia bicornuta</i>	Double-horned Downingia	Abundant at Hog Lake Plateau.
var. <i>bicornuta</i>		
<i>Downingia insignis</i>	Harlequin Calicoflower	Superb south of Dorris, 2023.
<i>Githopsis pulchella</i>		Tehama Wildlife Area in the past.
<b>Caprifoliaceae</b>		
<i>Lonicera ciliosa</i>	Orange Honeysuckle	Mt.Shasta 2015.
<i>Lonicera hispidula</i>		Point Reyes.
<i>Lonicera interrupta</i>	Chapparal Honeysuckle	Yellow Flowers. Paynes Creek 2023.
<i>Lonicera involucrata</i>	Twinberry	Lake Earl and Humboldt Bay.
<i>Symphoricarpos albus</i>	Snowberry	Point Reyes.
<b>Caryophyllaceae</b>		
<i>Cardionema ramosissimum</i>		Coastal at Point Reyes, Manchester, Lake Earl.
<i>Cerastium arvense strictum</i>	Field Mouse-ear	Scattered records.
<i>Cerastium fontanum ssp.vulgare</i>	Common Mouse-ear	Scattered records.
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	Scattered records, e.g. Point Reyes.
<i>Gypsophila paniculata</i>		Lake County in the past.
<i>Herniaria hirsuta var.cinerea</i>		Tehama Wildlife area 2016.
<i>Holosteum umbellatum</i>	Umbellate Chickweed	Mt.Shasta viewpoint.

<i>Minuartia californica</i> <i>Miuartia tenella</i>	California Sandwort	Sonoma coast in the past. Oregon. = <i>Arenaria stricta</i> var. <i>puberulenta</i> . Neither of these names are in TJM. 2016. Scattered records. Point Reyes etc. Highway 199 in the past.
<i>Petrorhagia dubia</i> <i>Polycarpon tetraphyllum</i> <i>Pseudostellaria jamesiana</i> <i>Sagina apetala</i> <i>Sagina saginoides</i> <i>Scleranthus annuus</i> ssp. <i>annuus</i> <i>Silene bolanderi</i>	Four-leaved Allseed  Dwarf Pearlwort Arctic Pearlwort Annual Knawel	   MacArthur Burney Falls 2023. Tehama Co. Large flowers! Covelo and O'Brien areas in the past. Scattered records, e.g. Point Reyes. Highway 162 in the past. MacArthur Burney Falls, new in 2023. Point Reyes. Point Reyes lighthouse area. Point Reyes saltmarshes. Point Reyes, Titlow Hill road, Hog Lake Plateau.
<i>Silene gallica</i> <i>Silene laciniata californica</i> <i>Silene lemmonii</i> <i>Spergula arvensis</i> <i>Spergularia macrotheca</i> <i>Spergularia marina</i> <i>Spergularia rubra</i>	Small-flowered Catchfly California Pink Lemmon's Catchfly Corn Spurrey Sticky Sand Spurrey Saltmarsh Sand Spurrey Marsh Sand Spurrey	Point Reyes. East of McCloud in the past. Widespread.
<i>Stellaria littoralis</i> <i>Stellaria longipes</i> <i>Stellaria media</i>	Beach Starwort  Chickweed	
<b>Celastraceae</b>		
<i>Paxistima myrsinites</i>	Oregon Boxwood	Many in flower McCloud area.
<b>Chenopodiaceae</b>		
<i>Beta vulgaris maritima</i> <i>Chenopodium album</i> <i>Salicornia pacifica</i>	Beet Fat Hen	Scattered records. Hog Lake Plateau. Numerous in saltmarshes at Point Reyes.
<b>Cistaceae</b>		
<i>Cistus incanus</i>		Roadsides in Mendocino County. Introduced.
<b>Convolvulaceae</b>		
<i>Calystegia collina</i> ssp. <i>collina</i> <i>Calystegia occidentalis</i> <i>Calystegia polymorpha</i>	a morning glory Western Morning Glory	Ring Mountain 2023. Point Reyes, and common along the coast. Oregon. What is the correct name for this species?
<i>Calystegia soldanella</i> <i>Calystegia subacaulis</i> <i>Convolvulus arvensis</i> <i>Cuscuta salina</i>	Sea Bindweed  Field Bindweed Salty Dodder	In flower at Dry Lagoon. This species Tehama Co? And Napa Co.? Scattered records. Marin County including Point Reyes in the past.
<i>Cuscuta howelliana</i>	Boggs Lake Dodder	Hog Lake Plateau, parasitic on <i>Navaretia</i> and <i>Eryngium</i> .
<b>Cornaceae</b>		
<i>Cornus canadensis</i> <i>Cornus nuttallii</i>  <i>Cornus sericea</i>	Bunchberry Pacific Dogwood and McCloud area. American Dogwood	In fine 'flower' Redwoods, Willow Creek,  Point Reyes, Lake Earl.
<b>Crassulaceae</b>		
<i>Crassula connata</i> <i>Dudleya cymosa</i> <i>Dudleya farinosa</i>	Pygmy Stonecrop Canon Dudleya Powdery Dudleya	Point Reyes in the past. Point Reyes. Point Reyes and Tiburon.

<i>Sedella pumila</i>	Dwarf Cliff Sedum	Tehama Co. roadsides in the past.
<i>Sedum lanceolatum</i>	Spearleaf Stonecrop	Highway 162.
<i>Sedum laxum</i>		Rosettes and spike west of O'Brien.
<i>Sedum laxum</i> ssp. <i>flavidum</i>	Pale-yellow Stonecrop	Del Norte County.
<i>Sedum obtusatum</i>	Sierra Stonecrop	South Fork Smith River 2023.
<i>Sedum radiatum</i>	Coast Range Stonecrop	Highway 162 in the past.
<i>Sedum spathulifolium</i>	Pacific Sedum	Widespread. Very common on rocks along Highway 162.

## Cucurbitaceae

<i>Marah fabacea</i>	California Manroot	Flower rotate. Locally numerous, including Point Reyes.
<i>Marah oregana</i>	Coast Manroot	Flower cup-shaped. Locally numerous, including Point Reyes.
<i>Marah watsonii</i>	Taw Manroot	This species replaces the previous two in Trinity and Shasta Counties, and was presumably seen there.

## Dipsacaceae

<i>Dipsacus fullonum</i>	Teasel	Scattered records.
<i>Dipsacus sativus</i>	a teasel	Marin Co.

## Ericaceae

<i>Arbutus menziesii</i>	Pacific Madrone	Point Reyes, Redwoods, Highway 162, etc.
<i>Arctostaphylos canescens</i>	Hoary Manzanita	West of O'Brien, 2023.
<i>Arctostaphylos columbiana</i>	Columbia Manzanita	Botanical walk on Highway 199.
<i>Arctostaphylos glandulosa</i>		Point Reyes.
<i>Arctostaphylos hispidula</i>	Gasquet Manzanita	West of O'Brien 2023.
<i>Arctostaphylos manzanita</i>	Common Manzanita	Scattered records.
<i>Arctostaphylos nevadensis</i>	Pine Mat Manzanita	Horse Mountain botanical area, O'Brien area.
<i>Arctostaphylos patula</i>	Greenleaf Manzanita	Dominant over large areas near McCloud, Horse Mountain botanical area etc.
<i>Arctostaphylos stanfordiana</i>	Stanford Manzanita	Mendocino Co.
<i>Arctostaphylos uva-ursi</i>	Bearberry	Lake Earl.
<i>Arctostaphylos virgata</i>	Marin Manzanita	Point Reyes.
<i>Arctostaphylos viscida</i>	Whiteleaf Manzanita	
<i>Arctostaphylos</i> spp.		Several other species present.
<i>Chimaphila menziesii</i>	Little Princes Pine	
<i>Chimaphila umbellata</i>	Western Princes Pine	MacArthur Burney Falls.
<i>Erica lusitanica</i>		Humboldt and Del Norte Counties.
<i>Gaultheria shallon</i>	Salal	Scattered, e.g. Point Reyes, Lake Earl
<i>Pterospora andromedea</i>	Pinedrops	Old spikes near McCloud and Lassen in the past.
<i>Pyrola picta</i>	White-veined Wintergreen	In leaf Friday Ridge Road 2015.
<i>Rhododendrum columbianum</i>	Western Labrador Tea	Salt Point and elsewhere along coast, in the past.
<i>Rhododendron macrophyllum</i>	Pacific Rhododendron	In flower in Redwood forests, e.g. Salt Point State Park.
<i>Rhododendron occidentale</i>	Western Azalea	Common in Redwood forests. At Point Reyes in leaf, Highway 199 and O'Brien.
<i>Sarcodes sanguinea</i>	Snow Plant	Near Lassen in striking flower in the past.
<i>Vaccinium ovatum</i>	California Huckleberry	Widespread, e.g. Lake Earl, Point Reyes, Salt Point State Park.
<i>Vaccinium parvifolium</i>	Red Huckleberry	Lake Earl and Redwoods.
<i>Vaccinium scoparium</i>		West of O'Brien.

## Euphorbiaceae

<i>Chamaesyce maculata</i>	Spotted Spurge	San Rafael
<i>Chamaesyce ocellata</i>	Valley Spurge	Tehama Co.



<i>Croton setigerus</i>	Turkey Mullein	Tehama Co. and Lake Co.
<i>Euphorbia crenulata</i>	Chinese Caps	Point Reyes and McCloud area in the past.
<i>Euphorbia helioscopia</i>	Sun Spurge	
<i>Euphorbia lathyris</i>	Caper Spurge	
<i>Euphorbia oblongata</i>		Point Reyes etc.
<i>Euphorbia peplus</i>	Petty Spurge	Scattered records.
<b>Fabaceae</b>		
<i>Acacia</i> sp.		Inverness, entire phyllodes
<i>Acmispon americanus</i>		Highway 199 in the past.
<i>Acmispon brachycarpus</i>	Hill Lotus	Scattered records, e.g. Highway 162, Ring Mountain.
<i>Acmispon glaber</i>	Deer-weed	Point Reyes.
<i>Acmispon grandiflorus</i>	Grand Lotus	South Fork Smith River.
<i>Acmispon junceus</i> ssp. <i>biolettii</i>		Point Reyes.
<i>Acmispon micranthus</i>	Miniature Lotus	Highway 162, Tehama Co.
<i>Acmispon wrangelianus</i>		Widespread.
<i>Astragalus filipes</i>		Near Weed in the past.
<i>Astragalus purshii</i>		Between Dorris and Weed in the past.
<i>Astragalus</i> sp.		Near Weed, but not either of the previous species.
<i>Cercis occidentalis</i>	Western Red-bud	Widespread, e.g. Highway 162.
<i>Cytisus scoparius</i>	Broom	Locally abundant.
<i>Genista monspessulana</i>		Commonly naturalised.
<i>Hosackia gracilis</i>	Bicoloured Lotus	Flowers pink and yellow. Sonoma Coast.
<i>Hosackia oblongifolia</i>	Torrey's Lotus	Tehama Co. bridge site, and west of O'Brien.
<i>Hosackia rosea</i>		This at Point Reyes?
<i>Lathyrus angulatus</i>		
<i>Lathyrus delnorticus</i>		Botanical Area on Highway 199. A local and uncommon species.
<i>Lathyrus latifolius</i>	Everlasting Pea	Locally very common on roadsides.
<i>Lathyrus littoralis</i>	Silky Beach Pea	Many at Dry Lagoon in fine flower, some with white flowers.
<i>Lathyrus nevadensis</i>	Sierra Nevada Pea	Scattered records.
<i>Lathyrus polyphyllus</i>		Near Orick in the past.
<i>Lathyrus sulphureus</i>	Sulphur Pea	Highway 162.
<i>Lathyrus tingitanus</i>	Tangier Pea	Widespread and very common.
<i>Lathyrus torreyi</i>	Redwood Pea	Redwoods
<i>Lathyrus vestitus</i>	Pacific Pea	Along the coast, e.g. Point Reyes.
<i>Lotus corniculatus</i>	Bird's-foot Trefoil	Widespread and locally common.
<i>Lupinus adsurgens</i>		Mendocino Co. north.
<i>Lupinus albifrons</i>		Highway 162.
<i>Lupinus arboreus</i>	Bush Lupin	Common along the coast.
<i>Lupinus bicolor</i>	Miniature Lupin	Highway 162 above Covelo, etc.
<i>Lupinus chamissonis</i>		Point Reyes.
<i>Lupinus formosus</i>		Tiburon.
<i>Lupinus latifolius</i>	Broadleaf Lupin	Widespread.
<i>Lupinus littoralis</i>	Seashore Lupin	Del Norte coast in the past.
<i>Lupinus luteolus</i>	Butter Lupin	Widespread. Very common along Highway 162.
<i>Lupinus microcarpus</i>	Chick Lupin	Marin Coast ( <i>L.densiflorus</i> ) and McCloud and Lassen areas ( <i>L.subvexus</i> )?.
<i>Lupinus nanus</i>	Douglas's Lupin	Scattered records, e.g. Point Reyes.
<i>Lupinus onustus</i>	Plumas Lupin	Serpentine, Del Norte Co.
<i>Lupinus pachylobus</i>	Big Pod Lupin	Tehama Co., Lake Co.
<i>Lupinus polyphyllus</i>	Blue-pod Lupin	Point Reyes, in moist habitat, in the past.
<i>Lupinus succulentus</i>	Arroyo Lupin	Widespread and common.
<i>Lupinus variicolor</i>		Point Reyes.
<i>Lupinus</i> spp.		Many other lupins were undoubtedly

<i>Medicago arabica</i>	Spotted Medick	present. It is a very large and difficult genus in the region.
<i>Medicago lupulina</i>	Black Medick	Scattered records.
<i>Medicago polymorpha</i>	Bur Clover	Point Reyes.
<i>Medicago sativa</i>	Lucerne	Point Reyes.
<i>Melilotus albus</i>	White Melilot	
<i>Melilotus indicus</i>	Yellow Melilot	
<i>Melilotus officinalis</i>	Ribbed Melilot	
<i>Pisum sativum</i>	Wild Pea	
<i>Robinia pseudacacia</i>	False Acacia	Lake Earl.
<i>Spartium junceum</i>	Spanish Broom	Point Reyes.
<i>Thermopsis californica</i>	California Goldenbanner	This was the 'false lupin' species at Salt Point State Park and MacArthur Burney Falls.
<i>Trifolium albopurpureum</i>	a clover	Tehama Co., Tiburon, etc.
<i>Trifolium arvense</i>	Hare's-foot Clover	Highway 162 in the past.
<i>Trifolium aureum</i>	Large Hop Trefoil	Marin Co.
<i>Trifolium barbigerum</i>	Bearded Clover	Point Reyes, 2023.
<i>Trifolium bifidum</i>	Notchleaf Clover	Upper Highway 162, 2023.
<i>Trifolium campestre</i>	Hop Trefoil	Point Reyes.
<i>Trifolium ciliolatum</i>	Foothill Clover	Scattered
<i>Trifolium depauperatum</i>	Balloon Clover	Point Reyes, Tehama Co.
<i>Trifolium dichotomum</i>	a clover	Scattered
<i>Trifolium dubium</i>	Shamrock	Point Reyes.
<i>Trifolium eriocephalum</i>		West of O'Brien in the past.
<i>Trifolium fucatum</i>	Bull Clover	Mendocino Co., Highway 162, Tiburon.
<i>Trifolium glomeratum</i>	Clustered Clover	Point Reyes.
<i>Trifolium hirtum</i>	Rose Clover	Naturalised in disturbed areas
<i>Trifolium incarnatum</i>	Crimson Clover	Highway 162.
<i>Trifolium longipes</i>	Long-stalked Clover	Higher altitudes
<i>Trifolium microcephalum</i>	Maiden Clover	Tehama Co. etc.
<i>Trifolium microdon</i>	Thimble Clover	Point Reyes, Tiburon.
<i>Trifolium obtusiflorum</i>	Clammy Clover	
<i>Trifolium oliganthum</i>	Few-flowered Clover	
<i>Trifolium pratense</i>	Red Clover	Widespread.
<i>Trifolium repens</i>	White Clover	Widespread.
<i>Trifolium subterraneum</i>	Burrowing Clover	Point Reyes.
<i>Trifolium variegatum</i>		Highway 162 etc.
<i>Trifolium willdenovii</i>	Tomcat Clover	Scattered records, e.g. Tiburon.
<i>Trifolium wormskioldii</i>	Cow Clover	Point Reyes.
<i>Ulex europaeus</i>	Gorse	Commonly naturalised.
<i>Vicia americana</i>	American Vetch	Point Reyes, Highway 162, etc.
<i>Vicia benghalensis</i>		Scattered records in the past.
<i>Vicia cracca?</i>	Tufted Vetch	Widespread and very common. Not treated in the flora.
<i>Vicia gigantea</i>	Giant Vetch	Scattered records, e.g. Marin County.
<i>Vicia hirsuta</i>	Hairy Tare	Scattered records, e.g. Point Reyes.
<i>Vicia sativa</i>	Common Vetch	Scattered records, ssp. <i>sativa</i> and ssp. <i>nigra</i> .
<i>Vicia tetrasperma</i>	a vetch	Limantour 2023
<i>Vicia villosa</i>	Fodder Vetch	Widespread, ssp. <i>villosa</i> and ssp. <i>varia</i>
<b>Fagaceae</b>		
<i>Chrysolepis chrysophylla</i>	Golden Chinkapin	Scattered records, e.g. Point Reyes.
<i>Notholithocarpus densiflorus</i>	Tanoak	Widespread. Point Reyes, Mendocino, Sonoma, Humboldt, and Del Norte Counties.
<i>Quercus agrifolia</i>	Coast Live Oak	Point Reyes.
<i>Quercus chrysolepis</i>	Canyon Live Oak	Scattered, e.g. Highway 199.

<i>Quercus douglasii</i>	Blue Oak	Tehama Co., Covelo, N of Redding, etc. Locally dominant in Redding and Tehama areas.
<i>Quercus dumosa</i>	California Scrub Oak	Scattered records.
<i>Quercus garryana</i>	Oregon Oak	Widespread.
<i>Quercus kelloggii</i>	California Black Oak	Widespread, e.g. Mendocino Co., McCloud
<i>Quercus lobata</i>	Valley Oak	Mendocino Co., especially in Round Valley.
<i>Quercus wislizeni</i>	Interior Live Oak	Scattered records e.g. Highway 162
<b>Garryaceae</b>		
<i>Garrya buxifolia</i>	Boxleaf Silk Tassel	West of O'Brien 2023.
<i>Garrya elliptica</i>	Wavyleaf Silktassel	Lake Earl.
<i>Garrya fremontii</i>	Bearbrush	West of O'Brien 2023.
<b>Gentianaceae</b>		
<i>Centaurium tenuiflorum</i>		Hog Lake Plateau in the past.
<i>Cicendia quadrangularis</i>		Point Reyes in the past.
<i>Frasera speciosa</i>	Monument Plant	Mendocino Pass in the past.
<b>Geraniaceae</b>		
<i>California macrophylla</i>	Roundleaf Storksbill	Scattered records in the past.
<i>Erodium botrys</i>	Long-beaked Storksbill	Point Reyes.
<i>Erodium cicutarium</i>	Common Storksbill	Widespread and common.
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	Scattered records, e.g. Point Reyes.
<i>Geranium molle</i>	Dove's-foot Crane's-bill	Point Reyes.
<i>Pelargonium grossularioides</i>		Naturalised on Inverness Ridge, Point Reyes, new in 2023.
<i>Pelargonium</i> sp.		Sonoma and Mendocino Coasts.
<b>Grossulariaceae</b>		
<i>Ribes lobbii</i>		This species Patrick's Creek?
<i>Ribes menziesii</i>	Canyon Gooseberry	Scattered records, e.g. Mendocino Pass and McCloud area.
<i>Ribes roezlii</i>	Sierran Gooseberry	MacArthur-Burney Falls and McCloud.
<i>Ribes sanguineum</i>	Red-flowering Currant	Point Reyes.
<i>Ribes</i> sp.		McCloud River Loop.
<b>Hydrangeaceae</b>		
<i>Philadelphus lewisii</i>	Wild Mock Orange	In leaf and bud at Covelo in the past.
<i>Whipplea modesta</i>	Yerba de Selva	Locally very common.
<b>Hypericaceae</b>		
<i>Hypericum perforatum</i>	Perforate St. John's Wort	Scattered records.
<b>Labiatae</b>		
<i>Agastache urticifolia</i>	Horsemint	
<i>Clinopodium douglasii</i>	Yerba Buena	
<i>Lamium amplexicaule</i>	Henbit Deadnettle	Klamath Lakes in the past.
<i>Marrubium vulgare</i>	White Horehound	
<i>Mentha aquatica</i>	Water Mint	In leaf.
<i>Mentha canadensis</i>		In leaf.
<i>Mentha pulegium</i>	Pennyroyal	In leaf.
<i>Mentha suaveolens</i>	Round-leaved Mint	In leaf.
<i>Monardella odoratissima</i>	Coyote Mint	
<i>Pogogyne douglasii</i>	Douglas' Beardstyle	Lake County in the past.
<i>Prunella vulgaris</i>	Self-heal	Point Reyes.
<i>Salvia columbariae</i>	Chia	Lake County in the past.
<i>Stachys rigida</i> var. <i>quercetorum</i>		Point Reyes.

## Lentibulariaceae

*Pinguicula macroceras*

a butterwort

Many plants, some in flower, on serpentine, South Fork Smith River, in the past.

## Limnanthaceae

*Limnanthes douglasii*

*ssp.douglasii*

*ssp.nivea*

*ssp.sulphurea*

Douglas's Meadow Foam

Point Reyes Meadow Foam

Mendocino Co. in the past  
Highway 162, Titlow Hill Road, locally common.  
Point Reyes. A fine show of this endangered yellow flowered subspecies.  
Very locally numerous.

## Linaceae

*Hesperolinon adenophyllum*

*Hesperolinon congestum*

Glandular Dwarf Flax

Marin Dwarf Flax

*Hesperolinon micranthum*

*Linum bienne*

a dwarf flax

Pale Flax

Ring Mountain, new in 2023. A very local endemic.  
This near Weed?  
Point Reyes.

## Malvaceae

*Fremontodendron californicum*

*Malva neglecta*

*Malva nicaeensis*

*Malva parviflora*

*Sidalcea calycosa ssp.rhizomata*

*Sidalcea diploscypha*

*Sidalcea glaucescens*

*Sidalcea hartwegii*

*Sidalcea hirsuta*

*Sidalcea malviflora*

*Sidalcea oregana*

Dwarf Mallow

Bull Mallow

Least Mallow

Point Reyes Checkerbloom

Fringed Sidalcea

Waxy Checkerbloom

Checker Bloom

Tehama Co. in fine flower.  
Point Reyes in the past.  
Point Reyes in the past.  
Point Reyes in the past.  
Abbott's Lagoon, Point Reyes, 2023.  
Mendocino Co.  
West of MacArthur Burney Falls, 2023.  
McCloud in the past.  
Hog Lake Plateau in the past.  
Point Reyes.  
Oregon.

## Montiaceae

*Calandrinia ciliata*

*Calyptidium umbellatum*

*Claytonia cordifolia*

*Claytonia parviflora*

*Claytonia perfoliata*

*Claytonia rubra*

*Claytonia sibirica*

*Lewisia cotyledon*

Red Maids

Pussy Paws

Miner's Lettuce

Candyflower

Cliff Maids

*Lewisia nevadensis*

*Lewisia oppositifolia*

*Lewisia rediviva*

*Montia chamissoi*

*Montia linearis*

*Montia parvifolia*

Nevada Lewisia

Opposite-leaved Lewisia

Bitterroot

Point Reyes and Lake Earl.  
Friday Ridge Road in the past.  
Redwoods.  
Mendocino Pass.  
Common.  
  
Point Reyes and Redwoods.  
In superb flower on serpentine rocks on Highway 199 (seen from vehicle!).  
A few in wet meadow east of McCloud.  
Oregon in the past.  
Lake County in the past.  
Wet meadow east of McCloud.  
Many in wet meadow east of McCloud.  
Botanical area on Highway 199, South Fork Smith River, etc.

## Myricaceae

*Morella californica*

Pacific Bayberry

Point Reyes, Lake Earl, etc.

## Myrsinaceae

*Anagallis arvensis*

Scarlet Pimpernel

Both red and blue flowered forms seen.  
Widespread and common.

*Trientalis latifolia*

Pacific Starflower

Redwoods, e.g. Salt Point State Park and north of Patrick's Creek.

## Myrtaceae

<i>Eucalyptus globulus</i>	Blue Gum
<i>Leptospermum laevigatum</i>	Australian Tea Tree

## Nyctaginaceae

<i>Abronia latifolia</i>	Yellow Sand Verbena	Fine at Dry Lagoon, and Manchester. Very locally numerous.
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## Oleaceae

<i>Fraxinus dipetala</i>	California Ash	MacArthur-Burney Falls.
<i>Fraxinus latifolia</i>	Oregon Ash	Widespread.

## Onagraceae

<i>Camissonia ovata</i>	Coast Sun Cup	Point Reyes lighthouse.
<i>Camissonia pusilla</i>		Sagebrush near Dorris, new in 2023.
<i>Camissoniopsis cheiranthifolia</i>	Beach Evening Primrose	Dry Lagoon and Manchester.
<i>Chamerion angustifolium</i>	Rosebay Willowherb	
<i>ssp.circumvagum</i>		
<i>Clarkia amoena</i>	Farewell-to-Spring	Lake Co.
<i>Clarkia arcuata</i>		Tehama Co. in the past.
<i>Clarkia concinna</i>	Lovely Clarkia	Mendocino Co., Colusa Co., Lake Co., Napa Co., locally common.
<i>Clarkia gracilis</i>	Slender Clarkia	Tehama Wildlife Area.
<i>Clarkia modesta</i>	Diamond Clarkia	Highway 162.
<i>Clarkia purpurea</i>	Winecup Clarkia	Highway 162 and Tehama Co.
<i>Clarkia rhomboidea</i>		Tehama Wildlife Area.
<i>Clarkia rubicunda</i>		Lake Co.
<i>Clarkia unguiculata</i>	Elegant Clarkia	Lake Co. and Napa Co., locally common on roadsides.
<i>Clarkia williamsonii</i>	Williamson's Clarkia	Tehama Wildlife area in the past.
<i>Epilobium ciliatum ssp.ciliatum</i>		West of O'Brien.
<i>Epilobium ciliatum ssp.watsonii</i>		McClure's Beach, Point Reyes, 2023.
<i>Epilobium densiflorum</i>		Wet meadow east of McCloud.
<i>Epilobium minutum</i>	Threadstem Fireweed	Scattered records..
<i>Epilobium spp.</i>		Other species recorded occasionally.
<i>Oenothera sp.</i>		A red flowered species by Whiskeytown Lake 2015. A yellow flowered species on roadsides.
<i>Taraxia tanacetifolia</i>		Between Dorris and Weed in the past.

## Orobanchaceae

<i>Bellardia trixago</i>	Bellardia	Roadsides in Mendocino County.
<i>Castilleja affinis</i>	Coast Paintbrush	Point Reyes. Very variable.
<i>Castilleja ambigua</i>	Johnny-Nip	Point Reyes.
<i>Castilleja applegatei</i>	Applegate's Paintbrush	McCloud area.
<i>Castilleja applegatei ssp.martini</i>		West of O'Brien.
<i>Castilleja attenuata</i>	Narrow-leaved Owl Clover	Near Covelo.
<i>Castilleja brevlobata</i>	Shortlobe Paintbrush	West of O'Brien.
<i>Castilleja campestris</i>	Field Owl Clover	Scattered records.
<i>Castilleja chromosa</i>	Desert Indian Paintbrush	Highway 97 in the past.
<i>Castilleja densiflora</i>		Abbott's Lagoon.
<i>Castilleja exserta ssp.latifolia</i>	Purple Owl Clover	Chimney Rock, Point Reyes.
<i>Castilleja foliolosa</i>	Felt Paintbrush	Mendocino Co., Highway 162.
<i>Castilleja mendocinensis</i>	Mendocino Coast Paintbrush	Mendocino coast.
<i>Castilleja rubicundula</i>	Cream Sacs	Near Covelo.
<i>ssp.lithospermoides</i>		
<i>Castilleja subinclusa</i>	Franciscan Paintbrush	Point Reyes.
<i>ssp.franciscana</i>		
<i>Castilleja wightii</i>	Wight's Paintbrush	Point Reyes.



<i>Castilleja</i> spp.		Several other species were present but not positively identified.
<i>Orobanche uniflora</i>	Naked Broomrape	West of O'Brien, yellow, in the past.
<i>Parentucellia viscosa</i>		Olema.
<i>Pedicularis densiflora</i>	Indian Warrior	Highway 162.
<i>Triphysaria eriantha</i>	Butter and Eggs	Point Reyes.
<i>ssp. rosea</i>		
<i>Triphysaria pusilla</i>		Tiny! Lake Earl and near Redwoods visitor centre.
<i>Triphysaria versicolor ssp. faucibarbatata</i>		Ring Mountain 2023.
<b>Oxalidaceae</b>		
<i>Oxalis articulata ssp. rubra</i>		Lake Earl in the past.
<i>Oxalis corniculata</i>	Creeping Wood Sorrel	Point Reyes.
<i>Oxalis oregana</i>	Redwood Sorrel	Redwoods, locally very common.
<i>Oxalis pes-caprae</i>	Cape Sorrel	Point Reyes.
<i>Oxalis pilosa</i>		Point Reyes in the past.
<i>Oxalis suksdorfii</i>	Suksdorf's Wood-sorrel	Recorded in the past.
<b>Paeoniaceae</b>		
<i>Paeonia brownii</i>	Western Paeony	Noted in leaf, Mendocino Co., in the past.
<b>Papaveraceae</b>		
<i>Dicentra formosa</i>	Bleeding Hearts	Point Reyes in the past.
<i>Dicentra formosa ssp. oregana</i>		West of O'Brien. White flowers.
<i>Eschscholtzia californica</i>	California Poppy	Widespread and abundant.
<i>Eschscholtzia lobbiai</i>	Lobb's Poppy	Recorded in the past.
<i>Fumaria capreolata</i>	Ramping Fumitory	Naturalised on San Francisco roadsides.
<i>Papaver rhoeas</i>	Corn Poppy	Roadsides.
<i>Platystemon californicus</i>	Cream Cups	Point Reyes lighthouse and Manchester.
<b>Phrymaceae</b>		
<i>Mimulus alsinoides</i>	Chickweed Monkey Flower	McCloud River Loop in the past.
<i>Mimulus aurantiacus</i>	Orange Bush Monkey Flower	Locally common, e.g. Point Reyes and Marin Coast, and Sonoma Coast.
<i>Mimulus bicolor</i>	Yellow & White Monkey Flower	Tehama Wildlife Area in the past.
<i>Mimulus cusickii</i>	Cusick's Monkeyflower	Fine in the Weed area, new in 2023.
<i>Mimulus dentatus</i>		Del Norte Redwoods.
<i>Mimulus floribundus</i>		Lower Highway 162.
<i>Mimulus glaucescens</i>	Shieldbract Monkey Flower	Tehama Wildlife area, new in 2023.
<i>Mimulus guttatus</i>	Seep-spring Monkey Flower	Widespread and locally common. Very variable.
<i>Mimulus kelloggii</i>		Near Paynes Creek in the past.
<i>Mimulus layneae</i>		Probably this species at Tehama Wildlife Area in the past.
<i>Mimulus nanus</i>		McCloud River Loop and Vista Point in the past.
<i>Mimulus primuloides</i>		Wet meadow east of McCloud in the past.
<b>Plantaginaceae</b>		
<i>Collinsia grandiflora</i>	Giant Blue-eyed Mary	O'Brien area.
<i>Collinsia heterophylla</i>	Purple Chinese Houses	Highway 162, and in Oregon, in the past.
<i>Collinsia parviflora</i>	Maiden Blue-eyed Mary	Mendocino Pass, wet meadow east of McCloud, etc.
<i>Collinsia sparsiflora</i>	Spinsters Blue-eyed Mary	Highway 162, wet meadow east of McCloud, north of Weed.
<i>Collinsia tinctoria</i>	Sticky Chinese Houses	Paynes Creek 2023.
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Point Reyes Lighthouse, including white flowered form.

<i>Digitalis purpurea</i>	Foxglove	Locally common along the coast.
<i>Linaria dalmatica</i>	Dalmatian Toadflax	Roadsides in Trinity County, locally numerous.
<i>Nuttallanthus texanus</i>	a toadflax	A few at Lake Earl in the past. = <i>Linaria canadensis</i> .
<i>Penstemon azureus</i>	Azure Penstemon	Fine at Paynes Creek.
<i>Penstemon deustus</i>	Hot Rock Penstemon	In flower at MacArthur-Burney Falls in the past.
<i>Penstemon heterophyllus</i>	Foothill Penstemon	Highway 162 in fine flower.
<i>Penstemon laetus</i>		
<i>Penstemon newberryi</i>		McCloud area in the past.
<i>Penstemon rydbergii</i>	Rydberg's Penstemon	Wet meadow east of McCloud, many in leaf.
<i>Penstemon speciosus</i>	Showy Penstemon	Fine north of Weed.
<i>Plantago coronopus</i>	Buck's-horn Plantain	Point Reyes.
<i>Plantago elongata</i>		Point Reyes.
<i>Plantago erecta</i>		Point Reyes.
<i>Plantago lanceolata</i>	Ribwort Plantain	Widespread and common.
<i>Plantago major</i>	Greater Plantain	Point Reyes.
<i>Plantago maritima</i>		Point Reyes. var. <i>californica</i> lighthouse
<i>Plantago subnuda</i>		var. <i>juncoides</i>
<i>Synthyris reniformis</i>		Point Reyes.
<i>Tonella tenella</i>	Snow Queen	In fruit Lake Earl.
<i>Veronica americana</i>	American Brooklime	MacArthur-Burney Falls.
<i>Veronica arvensis</i>	Wall Speedwell	Scattered records.

## Platanaceae

<i>Platanus racemosa</i>	'Western Sycamore'	Scattered.
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## Plumbaginaceae

<i>Armeria maritima</i> ssp. <i>californica</i>	Thrift	Point Reyes lighthouse, Sonoma coast, Lake Earl
<i>Limonium californicum</i>		Leaves at Inverness, Point Reyes.

## Polemoniaceae

<i>Aliciella leptomeria</i>	Sand Aliciella	Near Weed 2023.
<i>Allophyllum divaricatum</i>	Pink False Gilia	Highway 162.
<i>Collomia heterophylla</i>	Variable-leaf Collomia	
<i>Collomia linearis</i>	Narrow-leaf Mountain Trumpet	Mendocino Co.
<i>Gilia capitata</i>	Blue-headed Gilia	Mendocino Co., west of O'Brien, Lake Co. and Napa Co. roadsides.
<i>Gilia millefoliata</i>	Dark-eyed Gilia	Lake Earl.
<i>Gilia tricolor</i>	Bird's-eye Gilia	Tehama Co. in the past.
<i>Ipomopsis aggregata</i>	Scarlet Gilia	Near Lassen in the past.
<i>Leptosiphon androsaceus</i>	False Baby Stars	Tehama Co. in the past.
<i>Leptosiphon bicolor</i>	True Baby Stars	Highway 162.
<i>Leptosiphon bolanderi</i>		Mendocino Pass.
<i>Leptosiphon parviflorus</i>		Upper Highway 162, 2023.
<i>Microsteris gracilis</i>	Slender Phlox	Locally common along Highway 162.
<i>Navarretia heterandra</i>	Tehama Navarretia	Hog Lake Plateau.
<i>Navarretia intertexta</i>	Needle-leaved Navarretia	Numerous at Hog Lake Plateau.
<i>Navarretia leucocephala</i>	White-flowered Navarretia	Hog Lake Plateau.
<i>Navarretia pubescens</i>	Downy Navarretia	Tehama Co.
<i>Navarretia squarrosa</i>	Skunkweed	Tehama Co.
<i>Navarretia tagetina</i>	Marigold Navarretia	Tehama Co.
<i>Navarretia viscidula purpurea</i>	Sticky Navarretia	Tehama Co.
<i>Navarretia</i> sp.		Sagebrush vernal pools near Dorris, 2023.
<i>Phlox diffusa</i>	Spreading Phlox	Locally common at higher altitudes in McCloud and Willow Creek areas, and west of O'Brien.

<i>Phlox speciosa</i>	Showy Phlox	Common near O'Brien.
<b>Polygalaceae</b>		
<i>Polygala californica</i>	California Milkwort	Friday Ridge road.
<b>Polygonaceae</b>		
<i>Bistorta bistortoides</i>	Western Bistort	Between McCloud and Lassen.
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i>	San Francisco Spineflower	Abbott's Lagoon, Point Reyes, new in 2023.
<i>Eriogonum compositum</i>	Arrow-leaf Wild Buckwheat	Highway 199, in the past.
<i>Eriogonum latifolium</i>	Coast Buckwheat	Point Reyes.
<i>Eriogonum luteolum</i> var. <i>caninum</i>	Golden Buckwheat	Tehama Co.
<i>Eriogonum nudum</i>	Tiburon Buckwheat	Ring Mountain.
<i>Eriogonum umbellatum</i>	Naked Eriogonum	McCloud area. Ring Mountain.
<i>Eriogonum vimineum</i>	Sulphur Flower	McCloud River loop, and Redding area.
<i>Eriogonum</i> spp.	Wicker Buckwheat	Scattered records. Other species of this huge genus undoubtedly present.
<i>Persicaria amphibia</i>	Water Smartweed	
<i>Persicaria hydropiperoides</i>	False Waterpepper	Point Reyes in the past.
<i>Persicaria lapathifolia</i>	Willow Weed	Marin Co. in the past.
<i>Polygonum aviculare</i> ssp. <i>depressum</i>	Knotgrass	Klamath Lakes in the past.
<i>Polygonum bidwelliae</i>	Bidwell's Knotweed	Several in Tehama Wildlife Area, new in 2023. A distinctive and rare local endemic.
<i>Polygonum paronychia</i>		Lake Earl and Dry Lagoon.
<i>Pterostegia drymarioides</i>	Granny's Hairnet	Point Reyes lighthouse.
<i>Rumex acetosella</i>	Sheep's Sorrel	Widespread and locally common.
<i>Rumex conglomeratus</i>	Clustered Dock	Scattered.
<i>Rumex crispus</i>	Curled Dock	Widespread.
<i>Rumex occidentalis</i>	Western Dock	Point Reyes.
<i>Rumex pulcher</i>	Fiddle Dock	Point Reyes.
<i>Rumex salicifolius</i>	Willow Dock	Point Reyes in the past.
<b>Primulaceae</b>		
<i>Dodecathaon alpinum</i>	Alpine Shooting Star	In fine flower at Castle Lake in the past.
<i>Dodecathaon hendersonii</i>	Mosquito Bills	Widespread and locally common. Mendocino and McCloud area.
<b>Ranunculaceae</b>		
<i>Aconitum columbianum</i>	Monk's Hood	In leaf along Bald Hills Road in the past. A few in flower in the Redwoods near Orick in the past.
<i>Anemone deltoidea</i>		Horse Mountain botanical area.
<i>Anemone lyallii</i>	Western Wood Anemone	Castle Lake road in the past.
<i>Anemone oregana</i>		Humboldt Redwoods, South Fork Smith River, etc.
<i>Aquilegia formosa</i>	Crimson Columbine	
<i>Delphinium californicum</i>	California Larkspur	
<i>Delphinium decorum</i> ssp. <i>tracyi</i>	Coast Delphinium	In flower at Mendocino Pass.
<i>Delphinium depauperatum</i>		Patrick's Creek in the past.
<i>Delphinium hesperium</i>	Western Larkspur	Ring Mountain 2023.
<i>Delphinium menziesii</i> ?	Menzie's Delphinium	Redwoods? This name is not in the flora.
<i>Delphinium nudicaule</i>	Canon Delphinium	Locally common, e.g. Highway 162.
<i>Delphinium nuttallianum</i>	Bilobed Delphinium	Sagebrush.
<i>Delphinium trollifolium</i>	Cow Poison	Redwoods in the past.
<i>Delphinium variegatum</i>	Royal Delphinium	Tehama Co.
<i>Delphinium</i> spp.		Other species of this large and difficult genus were undoubtedly present. A white flowered species in Lake Co.
<i>Myosurus minimus</i>	Mouse-tail	Klamath Lakes in the past.

<i>Ranunculus alismifolius</i>	Water Plantain Buttercup	Wet meadow near McCloud.
<i>Ranunculus californicus</i>	California Buttercup	Locally common, e.g. Point Reyes and Lake Earl.
<i>Ranunculus muricatus</i>	Prickleseed Buttercup	Scattered records, e.g. Lake Earl.
<i>Ranunculus occidentalis</i>	Western Buttercup	Mendocino Co., and Highway 162.
<i>Ranunculus orthorhynchus</i>	Birdfoot Buttercup	Del Norte Redwoods.
<i>Ranunculus repens</i>	Creeping Buttercup	Point Reyes.
<i>Ranunculus uncinatus</i>		Mendocino Co.
<i>Thalictrum fendleri</i>	Fendler's Meadow Rue	Highway 162 above Covelo.
<b>Rhamnaceae</b>		
<i>Ceanothus cordulatus</i>	Mountain Whitethorn	McCloud River Loop.
<i>Ceanothus cuneatus</i> ssp. <i>cuneatus</i>	Buck Brush	McCloud area and Tehama Co.
<i>Ceanothus diversifolius</i>	Pinemat	On slopes west of Redding.
<i>Ceanothus gloriosus</i>		Point Reyes, not seen 2023.
<i>Ceanothus integerrimus</i>	Deer Brush	Widespread and very common.
var. <i>macrothyrsus</i>		
<i>Ceanothus jepsonii</i>	Musk Brush	McCloud area.
<i>Ceanothus lemmonii</i>		
<i>Ceanothus prostratus</i>	Mahala Mat	McCloud area.
<i>Ceanothus pumilus</i>	Siskiyou Mat	Highway 199 and O'Brien area.
<i>Ceanothus thyrsiflorus</i>	Blue Brush	Widespread and locally common.
<i>Ceanothus velutinus</i>		South Fork Smith River 2023.
<i>Ceanothus</i> spp.		Other species not identified.
<i>Frangula californica</i>	California Coffeeberry	Lake Earl and Point Reyes.
<i>Frangula purshiana</i>	Cascara	Lake Earl.
<b>Rosaceae</b>		
<i>Adenostoma fasciculatum</i>	Chamise	Locally abundant.
<i>Amelanchier alnifolia</i>	Western Service Berry	Common and widespread. In flower
var. <i>semiintegrifolia</i>		Lake Earl.
<i>Aphanes occidentalis</i>	a parsley-piert	Locally very common, Point Reyes, etc.
<i>Cercocarpus betuloides</i>	Mountain Mahogany	Tehama Wildlife Area, South Fork Smith River, Highway 199.
<i>Chamaebatia foliolosa</i>	Mountain Misery	MacArthur-Burney Falls.
<i>Cotoneaster</i> spp.		A few naturalised at various sites.
<i>Crataegus gaylusaccia</i>	a hawthorn	Mt Shasta City in the past.
<i>Drymocallis glandulosa</i>	Sticky Cinquefoil	Highway 162.
<i>Fragaria chiloensis</i>	Coast Strawberry	Scattered coastal records, e.g. Point Reyes.
<i>Fragaria vesca</i>	Wood Strawberry	This was the woodland species at Point Reyes.
<i>Fragaria virginiana</i>	Mountain Strawberry	Scattered records.
<i>Geum macrophyllum</i>	Large-leaved Avens	Humboldt Redwoods 2023.
<i>Heteromeles arbutifolia</i>	Toyon	Scattered records.
<i>Holodiscus discolor</i>	Ocean Spray	Highway 162.
<i>Horkelia congesta</i> var. <i>nemorosa</i>	Josephine Horkelia	West of O'Brien, new in 2023. A very local endemic.
<i>Horkelia tridentata</i>		McCloud, common, in bud this year.
<i>Malus fusca</i>	Oregon Crab Apple	Lake Earl.
<i>Oemleria cerasiformis</i>		Higher part of Highway 162.
<i>Potentilla anserina</i> ssp. <i>pacifica</i>	Pacific Silverweed	Point Reyes etc.
<i>Potentilla egedii</i>		Lake Earl in the past. This name is not in TJM.
<i>Potentilla gracilis</i>	Fivefinger Cinquefoil	Highway 162.
<i>Potentilla millefolia</i>	Feather Cinquefoil	Wet meadow east of McCloud.
<i>Prunus cerasifera</i>	Cherry Plum	Point Reyes, purple leaves.
<i>Prunus emarginata</i>	Bitter Cherry	Lake Earl.
<i>Prunus subcordata</i>	Pacific Plum	McCloud, locally common.

<i>Prunus virginiana</i> var. <i>demissa</i>	Western Choke Cherry	Covelo, McCloud etc. Locally very common.
<i>Purshia tridentata</i>	Antelope Brush	Widespread and locally very common.
<i>Rosa californica</i>	California Rose	Tehama Wildlife Area.
<i>Rosa gymnocarpa</i>	Wood Rose	Scattered records.
<i>Rosa pisocarpa</i>	Clustered Wild Rose	MacArthur Burney Falls.
<i>Rosa</i> spp.		Other species not identified.
<i>Rubus armeniacus</i>	Himalayan Blackberry	Point Reyes.
<i>Rubus parviflorus</i>	Thimbleberry	Widespread and common.
<i>Rubus spectabilis</i>	Salmon-berry	Point Reyes, Lake Earl and Redwoods area.
<i>Rubus ursinus</i>	California Blackberry	Point Reyes.
<i>Spiraea douglasii</i>		Recorded.

## Rubiaceae

<i>Galium ambiguum siskiyouense</i>		Oregon and South Fork Smith River.
<i>Galium aparine</i>	Cleavers	Widespread.
<i>Galium bolanderi</i>	Bolander's Bedstraw	Near Siskiyou Lake in the past.
<i>Galium californicum</i>	California Bedstraw	Point Reyes.
<i>Galium</i> spp.		Several others seen.
<i>Sherardia arvensis</i>	Field Madder	Point Reyes.

## Salicaceae

<i>Populus alba</i>	White Poplar	
<i>Populus fremontii</i>	Fremont Cottonwood	Scattered records, e.g. Highway 162 and McCloud.
<i>Populus tremuloides</i>	Quaking Aspen	McCloud area, above Covelo.
<i>Populus trichocarpa</i>	Black Cottonwood	Lake Earl.
<i>Salix exigua</i>	Narrow-leaved Willow	Point Reyes.
<i>Salix hookeriana</i>	Hooker Willow	Lake Earl.
<i>Salix lasiandra</i>	Shining Willow	Point Reyes.
<i>Salix lasiolepis</i>	Arroyo Willow	Common.
<i>Salix prolixa</i>	Mackenzie's Willow	McCloud river loop.
<i>Salix sitchensis</i>	Sitka Willow	Lake Earl.
<i>Salix</i> spp.		Other species unidentified.

## Sapindaceae

<i>Acer circinnatum</i>	Vine Maple	Coastal in Redwoods area.
<i>Acer glabrum</i>	Mountain Maple	Del Norte Redwoods.
<i>Acer macrophyllum</i>	Big-leaf Maple	Widespread.
<i>Acer negundo</i>	Box Elder	Cache Creek in the past.
<i>Aesculus californica</i>	California Buckeye	Widespread and common.

## Sarcobataceae

<i>Sarcobatus vermiculatus</i>	Greasewood	Sagebrush. Formerly included in Chenopodiaceae.
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## Sarraceniaceae

<i>Darlingtonia californica</i>	California Pitcher Plant	A superb flowering colony at the botanical walk on Highway 199. Also in Oregon and South Fork Smith River.
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## Saxifragaceae

<i>Boykinia occidentalis</i>		Humboldt Redwoods 2023.
<i>Darmera peltata</i>	Umbrella Plant	Many flowers in McCloud River. Not seen 2023.
<i>Heuchera micrantha</i>	Crevice Heuchera	McCloud River Loop and South Fork Smith River
<i>Lithophragma affine</i>	Woodland Star	Above Covelo and MacArthur Burney Falls.
<i>Lithophragma parviflorum</i>		Wet meadow near McCloud.



<i>Micranthes californica</i>		Near Willow Creek in the past.
<i>Micranthes oregana</i>		Wet meadow near McCloud.
<i>Saxifraga mertensiana</i>		Highway 199 in the past.
<i>Tellima grandiflora</i>	Fringe Cups	Requa and Del Norte Redwoods.
<i>Tiarrella unifoliata</i>	Single Sugar Scoop	Humboldt Redwoods.
<i>Tolmiea diplomenziesii</i>	Bristle Flower	Del Norte Redwoods.
<b>Scrophulariaceae</b>		
<i>Scrophularia californica</i>	California Figwort	Locally very common, e.g. Point Reyes.
<i>Verbascum blattaria</i>	Moth Mullein	Redwood Highway.
<i>Verbascum thapsus</i>	Aaron's Rod	Roadsides in Lake Co. and Napa Co. and McCloud area (rosettes).
<b>Simaroubaceae</b>		
<i>Ailanthus altissima</i>	Tree of Heaven	Trinity Co. roadsides.
<b>Solanaceae</b>		
<i>Solanum americanum</i>		Point Reyes
<i>Solanum parishii</i>		Tehama Co. in the past.
<i>Solanum xanti</i>		Trinidad in the past.
<b>Tropaeolaceae</b>		
<i>Tropaeolum majus</i>	Garden Nasturtium	Naturalised on roadsides.
<b>Urticaceae</b>		
<i>Urtica dioica</i>	Stinging Nettle	Scattered records, e.g. both subspecies at Point Reyes.
ssp. <i>gracilis</i> and <i>holosericea</i>		
<b>Valerianaceae</b>		
<i>Centranthus ruber</i>	Red Valerian	Roadsides, locally numerous.
<i>Plectritis congesta</i>	Sea Blush	McCloud area, and Highway 162, locally very common. Not seen 2023!
ssp. <i>brachystemon</i> and <i>congesta</i>		Others probably present.
<i>Plectritis</i> sp.		Redwoods area, locally common.
<i>Valeriana sitchensis</i> ssp. <i>scouleri</i>		Mt. Shasta in the past.
<i>Valerianella locusta</i>		
<b>Verbenaceae</b>		
<i>Verbena lasiostachys</i>		Highway 162.
<b>Violaceae</b>		
<i>Viola adunca</i>	Western Dog Violet	Scattered records in the past.
<i>Viola bakeri</i>	Baker's Violet	McCloud area in the past.
<i>Viola cuneata</i>	Wedge-leaved Violet	Botanical Walk on Highway 199 and O'Brien area.
<i>Viola glabella</i>	Smooth Yellow Violet	Scattered records.
<i>Viola hallii</i>	Hall's Violet	O'Brien area in the past.
<i>Viola lobata</i>	Pine Violet	Near O'Brien and McCloud area.
ssp. <i>integrifolia</i>		Castle Crag in the past.
<i>Viola ocellata</i>	Two-eyed Violet	Willow Creek area.
<i>Viola praemorsa</i> ssp. <i>praemorsa</i>	Yellow Montane Violet	Dry forest at edge of wet meadow east of McCloud 2023. ( <i>Viola nuttallii</i> ).
<i>Viola purpurea</i>	Mountain Violet	Mendocino Pass etc.
<i>Viola sempervirens</i>	Redwood Violet	Salt Point State Park.
<i>Viola sheltonii</i>	Shelton's Violet	Mendocino Co.
<b>Viscaceae</b>		
<i>Phoradendron serotinum</i>	Bigleaf Mistletoe	On woody dicots other than <i>Quercus</i> .
ssp. <i>macrophyllum</i>		

<i>Phoradendron serotinum</i> <i>ssp.tomentosum</i>	Oak Mistletoe	On <i>Quercus</i> spp. Common in Mendocino Co. and Tehama Co.
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## Vitaceae

<i>Vitis californica</i>	California Wild Grape	Upper Highway 162.
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## Zygophyllaceae

<i>Tribulus terrestris</i>	Maltese Cross	Hog Lake Plateau in the past.
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## Monocots

### Agavaceae

<i>Camassia leichtlinii</i> ssp. <i>suksdorfii</i>		Abundant in one meadow near Willits. Also a few Salt Point SP. Not seen 2023.
<i>Camassia quamash</i> ssp. <i>breviflora</i>		East of McCloud.
<i>Chlorogalum angustifolium</i>		In bud west of O'Brien.
<i>Chlorogalum pomeridianum</i>		In leaf in various places, in flower Point Reyes.
<i>Hastingsia alba</i>		Highway 199 and in southern Oregon.

### Alismataceae

<i>Alisma triviale</i>		Olema Marsh in the past.
<i>Damasonium californicum</i>		In fine flower at Hog Lake Plateau.

### Alliaceae

<i>Allium acuminatum</i>		Willow Creek area.
<i>Allium amplexans</i>		Friday Ridge road lunch site. Tehama Wildlife Area.
<i>Allium falcifolium</i>		Mendocino Pass, in leaf.
<i>Allium lacunosum</i>		Numerous on Ring Mountain, 2023
<i>Allium platycaule</i>		In fine flower west of O'Brien.
<i>Allium sanbornii</i> var. <i>sanbornii</i>	Sanborn's Onion	Tehama Co. in the past.
<i>Allium triquetrum</i>		Naturalised at Salt Point State Park.
<i>Allium unifolium</i>		Ring Mountain 2023

### Araceae

<i>Lemna minor</i>	Common Duckweed	Lake Earl.
<i>Lysichiton americanus</i>	Yellow Skunk Cabbage	Lake Earl and Dry Lagoon.
<i>Zantedeschia aethiopica</i>	Calla Lily	Point Reyes and Marin Coast etc.

### Cyperaceae

'Flora of North America' Volume 23, Flora of North America Editorial Committee, is a superb treatment of the Cyperaceae. Many more species await identification on future tours!

<i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i>		Point Reyes.
<i>Bolboschoenus robustus</i>		Marin County etc.
<i>Carex stipata</i>		
<i>Carex vulpinoidea</i>		
<i>Carex vallicola</i>		
<i>Carex disperma</i>		
<i>Carex pansa</i>		Coastal dunes.
<i>Carex praegracilis</i>		
<i>Carex brunnescens</i>		
<i>Carex laeviculmis</i>		O'Brien area.
<i>Carex leptopoda</i>		
<i>Carex bolanderi</i>		
<i>Carex interior</i>		
<i>Carex echinata</i>		Botanical area on Highway 199.
<i>Carex arthrochacha</i>		
<i>Carex microptera</i>		

<i>Carex scoparia</i>		Coastal salt marshes.
<i>Carex lyngbyei</i>		Lake Earl.
<i>Carex obnupta</i>		
<i>Carex nebrascensis</i>		
<i>Carex lenticularis</i>		
<i>Carex aquatilis</i>		
<i>Carex scopulorum</i>		
<i>Carex serratodens</i>		Tiburon
<i>Carex pellita</i>		
<i>Carex atherodes</i>		
<i>Carex utriculata</i>		
<i>Carex viridula</i>		
<i>Carex rossii</i>		
<i>Carex inops</i>		
<i>Carex leptalea</i>		
<i>Carex filifolia</i>		
<i>Carex densa</i>		
<i>Eleocharis macrostachya</i>	a spikerush	Humboldt Bay.
<i>Isolepis cernua</i>		Point Reyes.
<i>Schoenoplectus</i> sp.		Point Reyes.
<i>Scirpus microcarpus</i>		Scattered records.
<b>Iridaceae</b>		
<i>Crocsmia x crocosmiiflora</i>	Orange Montbretia	Naturalised.
<i>Iris bracteata</i>	Siskiyou Iris	Along Highway 199, and near O'Brien in Oregon. Very locally common.
<i>Iris douglasiana</i>	Douglas Iris	Very common along the coast, locally abundant.
<i>Iris innominata</i>	Del Norte County Iris	Oregon, 2023.
<i>Iris fernaldii</i>	Fernald's Iris	Highway 162.
<i>Iris macrosiphon</i>	Bowl-tubed Iris	Point Reyes.
<i>Iris purdyi</i>		Roadsides in Humboldt Co. Several in fine flower.
<i>Iris tenax</i>	Tough-leaf Iris	South Fork Smith River, very locally very common.
<i>Iris tenuissima</i>	Long-tubed Iris	Common and widespread from Mendocino County north.
<i>Romulea rosea</i> var. <i>australis</i>		Naturalised at Mt. Vision, Point Reyes. Not seen 2023.
<i>Sisyrinchium bellum</i>	California Blue-eyed Grass	Locally very common, e.g. Point Reyes, below Covelo, Ring Mountain.
<i>Sisyrinchium californicum</i>	California Golden-eyed Grass	Salt Point State Park, where locally common.
<i>Sisyrinchium idahoense</i>	a blue-eyed Grass	Wet meadow east of McCloud, where common. Not seen 2023.
<i>Watsonia meriana</i>		Naturalised along the coast.
<b>Juncaceae</b>		
<i>Juncus acuminatus</i>	Tapered Rush	Arcata in the past.
<i>Juncus bufonius</i>	Toad Rush	Point Reyes, Highway 162, Lake Earl.
<i>Juncus capitatus</i>	Dwarf Rush	
<i>Juncus effusus</i>	Soft Rush	Point Reyes.
<i>Juncus hesperius</i>	Coast Rush	Tiburon.
<i>Juncus occidentalis</i>	Western Rush	Point Reyes and Tiburon.
<i>Juncus patens</i>		Tiburon.
<i>Juncus phaeocephalus</i>		Point Reyes and Tiburon.
<i>Juncus tenuis</i>		Point Reyes.
<i>Juncus</i> spp.	rush species	Others unidentified, including a very small species in wet meadow east of McCloud.
<i>Luzula comosa</i>	a wood rush	Above Covelo.

<i>Luzula parviflora</i>	a wood rush	This species Redwoods?
<b>Juncaginaceae</b>		
<i>Triglochin concinna</i>	Slender Arrowgrass	Inverness, Point Reyes.
<i>Triglochin maritima</i>	Sea Arrow-grass	Inverness, Point Reyes.
<i>Triglochin striata</i>	Three-ribbed Arrowgrass	Inverness, Point Reyes.
<b>Liliaceae</b>		
<i>Calochortus amabilis</i>	Golden Fairy Lantern	Very common along Highway 162. A fine show. Also in Humboldt Co. and Lake Co. Oregon, where common. Botanical area on Highway 199.
<i>Calochortus coeruleus</i>	Beavertail-grass	South Fork Smith River in the past.
<i>Calochortus elegans</i>	Elegant Cat's-ear	Colusa County, Lake County, and Napa County.
<i>Calochortus luteus</i>	Gold Nuggets	Several in Tehama Co. in the past.
<i>Calochortus monophyllus</i>	Yellow Star-Tulip	Napa and Lake County roadsides (from car!).
<i>Calochortus splendidus</i>		In fine flower in Tehama Wildlife Area.
<i>Calochortus superbus</i>	Superb Mariposa Lily	Several in bud on Ring Mountain, a very local endemic. 2023.
<i>Calochortus tiburonensis</i>	Tiburon Mariposa Tulip	Locally common in Mendocino Co.
<i>Calochortus tolmiei</i>	Pussy Ears	Napa County (from the vehicle!).
<i>Calochortus vestae</i>		In superb flower at two sites in the Redwoods.
<i>Clintonia andrewsiana</i>		In leaf at Mendocino Pass and in fine flower at Horse Mountain Botanical area.
<i>Erythronium californicum</i>	California Fawn Lily	Near O'Brien.
<i>Erythronium citrinum</i>	Lemon Fawn Lily	Possibly this near Mt.Shasta in the past.
<i>Erythronium klamathense</i>	Klamath Fawn Lily	West of O'Brien.
<i>Erythronium oregonum</i>	Oregon Fawn Lily	McCloud area, in leaf.
<i>Erythronium purpurascens</i>	Plainleaf Fawn Lily	Lake Earl, several fine flowers. Also 2 along Highway 162.
<i>Fritillaria affinis</i>	Mission Bells	Over in McCloud area.
<i>Fritillaria atropurpurea</i>		In seed near O'Brien in the past.
<i>Fritillaria glauca</i>	Siskiyou Fritillaria	Mendocino Pass in the past.
<i>Fritillaria purdyi</i>	Purdy's Fritillary	Many fine flowers on Mendocino Pass.
<i>Fritillaria recurva</i>	Scarlet Fritillary	Many in fine flower at Salt Point State Park.
<i>Lilium maritimum</i>	Coast Lily	In leaf.
<i>Lilium pardalinum</i>		Possibly other species in leaf too.
<i>Lilium spp.</i>		Stout Grove and McCloud area.
<i>Prosartes hookeri</i>	Hooker's Fairybell	Scattered records, e.g. Point Reyes, Redwoods.
<i>Prosartes smithii</i>	Smith's Fairybell	In leaf and fruit Humboldt Redwoods and Salt Point State Park.
<i>Scoliopus bigelovii</i>		
<b>Melanthiaceae</b>		
<i>Pseudotrillium rivale</i>	Brook Wakerobin	Over near Miranda.
<i>Toxicoscordion fremontii</i>	Fremont's Camas	Sonoma Coast.
<i>Toxicoscordion micranthum</i>		Near Covelo in the past.
<i>Toxicoscordion paniculatum</i>		West of O'Brien.
<i>Toxicoscordion venenosum</i>	Death Camas	McCloud area in the past.
var. <i>venenosum</i>		
<i>Trillium chloropetalum</i>	Giant Trillium	Mendocino Pass, several in flower.
<i>Trillium ovatum</i>	Western Trillium	Redwoods.
<i>Veratrum californicum</i>	California False Helleborine	In leaf.
<i>Xerophyllum tenax</i>	Bear Grass	In flower in southern Oregon and Highway 199.

## Orchidaceae

<i>Calypso bulbosa</i> var. <i>occidentalis</i>	Calypso	Only 2 at Lake Earl this year.
<i>Corallorhiza maculata</i>	Spotted Coralroot	In bud at Lake Earl.
<i>Corallorhiza mertensiana</i>	Western Coralroot	1 at Salt Point State Park 2023.
<i>Corallorhiza striata</i>	Striped Coralroot	Mendocino Pass in the past.
<i>Cypripedium californicum</i>	California Lady's Slipper	Many fine flowers at botanical walk on Highway 199, and Hiouchi roadsides.
<i>Epipactis gigantea</i>	Stream Orchid	In leaf near Willow Creek in the past.
<i>Goodyera oblongifolia</i>	Rattlesnake Orchid	Many in leaf at Lake Earl.
<i>Listera cordata</i>	Heartleaf Twayblade	Lake Earl in the past.
<i>Piperia transversa</i>	Flat Spurred Piperia	Tehama Wildlife Area in the past.
<i>Platanthera hyperborea</i>		Robust, green flowers. Oregon.
		However this species does not occur in California, and the correct name is <i>Platanthera aquilonis</i> .
<i>Platanthera sparsiflora</i>	Sparse-flowered Bog Orchid	Highway 162 in the past.

## Poaceae

I retain all species recorded in the past. Species recorded by Monica Walton this year are annotated (MW), although I have not annotated all the common species.

<i>Aegilops neglecta</i>	Three-awned Goat Grass	After Willow Creek roadside (MW).
<i>Aegilops triuncialis</i>	Barbed Goat Grass	
<i>Agrostis</i> spp.		
<i>Aira caryophylla</i>	Silver Hair-grass	Point Reyes etc.
<i>Aira praecox</i>	Early Hair-grass	Point Reyes lighthouse (MW)
<i>Alopecurus pratensis</i>	Meadow Foxtail	Point Reyes (MW).
<i>Ammophila arenaria</i>	Marram Grass	Along the coast.
<i>Anthoxanthum aristatum</i>	Annual Vernal Grass	After Willow Creek lunch stop (MW).
<i>ssp. aristatum</i>		
<i>Anthoxanthum occidentale</i>	California Sweet Grass	Towards Klamath (MW).
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Scattered.
<i>Arrhenatherum elatius</i>	False Oat Grass	Point Reyes (MW).
<i>Avena barbata</i>	Slender Wild Oat	San Rafael (MW).
<i>Avena fatua</i>	Wild Oat	Scattered. Point Reyes (MW).
<i>Avena sativa</i>		
<i>Bouteloua barbata</i> var. <i>barbata</i>	Sixweeks Grama	Tehama Co. (MW).
<i>Briza maxima</i>	Great Quaking Grass	Abundant at Point Reyes.
<i>Briza minor</i>	Lesser Quaking Grass	Point Reyes etc.
<i>Bromus carinatus</i>	California Brome	Point Reyes.
<i>Bromus diandrus</i>	Great Brome	Point Reyes etc., abundant.
<i>Bromus hordeaceus</i>	Soft Brome	San Rafael (MW).
<i>Bromus madritensis</i>	Compact Brome	Near Willits (MW).
<i>Bromus tectorum</i>	Drooping Brome	San Rafael (MW).
<i>Cortaderia jubata</i>	Purple Pampas Grass	Marin Co.
<i>Cynodon dactylon</i>	Bermuda Grass	After Willow Creek roadside (MW).
<i>Cynosurus echinatus</i>	Hedgehog Dogtail	Point Reyes (MW), Tehama Co.
<i>Dactylis glomerata</i>	Cock's-foot	Widespread.
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	Point Reyes.
<i>Ehrharta erecta</i>	Panic Veldt Grass	Point Reyes (MW).
<i>Elymus mollis</i>	American Dune Grass	Towards Klamath (MW).
<i>Festuca arundinacea</i>	Tall Fescue	Point Reyes.
<i>Festuca bromoides</i>	Brome Fescue	Point Reyes etc. ( <i>Vulpia bromoides</i> ).
<i>Festuca californica</i>	California Fescue	Covelo (MW).
<i>Festuca idahoensis</i>	Idaho Fescue	Towards Klamath (MW).
<i>Festuca occidentalis</i>	Western Fescue	Josephine Co., Oregon (MW).
<i>Festuca rubra</i>	Red Fescue	Covelo (MW).
<i>Holcus lanatus</i>	Yorkshire Fog	Scattered. Point Reyes (MW).
<i>Hordeum brachyanthemum</i>	Meadow Barley	Point Reyes (MW).
<i>ssp. brachyanthemum</i>		
<i>Hordeum brachyantherum</i>	California Meadow Barley	Point Reyes.



<i>ssp.californicum</i>		
<i>Hordeum jubatum</i> ssp. <i>jubatum</i>	Foxtail Barley	After Willow Creek roadside (MW).
<i>Hordeum marinum</i>	Mediterranean Barley	Point Reyes (MW).
<i>ssp.gussoneanum</i>		
<i>Hordeum murinum</i>	Wall Barley	Point Reyes.
<i>Lagurus ovatus</i>	Hare's Tail Grass	Point Reyes lighthouse (MW).
<i>Lolium multiflorum</i>	Italian Rye-grass	Point Reyes.
<i>Lolium perenne</i>	Perennial Rye-grass	Point Reyes.
N.B. <i>Lolium</i> is included in <i>Festuca</i> in the flora.		
<i>Melica subulata</i>	Alaskan Oniongrass	Towards Klamath (MW).
<i>Melica</i> sp.	a melic	Point Reyes.
<i>Orcuttia tenuis</i>	Slender Orcutt Grass	Tehama Co. (MW).
<i>Parapholis incurva</i>		Dry Lagoon.
<i>Phalaris aquatica</i>	Harding Grass	Point Reyes (MW).
<i>Phalaris californica</i>	California Canary Grass	
<i>Phleum pratense</i>	Timothy	
<i>Phragmites australis</i>	Common Reed	Locally dominant.
<i>Poa annua</i>	Annual Meadow-grass	Widespread.
<i>Poa bulbosa</i> ssp. <i>vivipara</i>	Bulbous Meadow-grass	Locally very common.
<i>Poa compressa</i>	Canadian Blue Grass	Lower Klamath Lakes (MW).
<i>Poa douglasii</i>	Sand Dune Blue Grass	Manchester dunes 2023 (MW). Endemic.
<i>Poa pratensis</i>	Kentucky Blue Grass	Point Reyes (MW).
<i>Poa trivialis</i>	Rough Meadow-grass	Scattered. Near Willits (MW).
<i>Polypogon monspeliensis</i>	Annual Beard Grass	San Rafael (MW).
<i>Polypogon viridis</i>	Water Beard Grass	San Rafael (MW).
<i>Secale cereale</i>	Rye	Tehama Co. (MW).
<i>Vulpia myuros</i>	Rat's-tail Fescue	San Rafael (MW). Treated as a species of <i>Festuca</i> in the Jepson Manual.

## Potamogetonaceae

<i>Potamogeton pusillus</i>	Small Pondweed	Probably this at Humboldt Bay, 2023.
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## Ruscaceae

<i>Maianthemum dilatatum</i>	False Lily-of-the-Valley	Lake Earl. Dry Lagoon wood, Del Norte Redwoods, locally very common.
<i>Maianthemum racemosum</i>	Branched Solomon's Seal	Near Miranda.

## Smilacaceae

<i>Smilax californica</i>		McCloud.
<i>Smilax jamesii</i>		MacArthur-Burney Falls.

## Tecophilaeaceae

<i>Odontostomum hartwegii</i>	Hartweg's Odontostomum	South Fork Smith River.
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## Themidaceae

<i>Brodiaea californica</i>	California Brodiaea	Tehama Co.
<i>Brodiaea coronaria</i>	Harvest Brodiaea	Friday Ridge Road, Hog Lake Plateau.
<i>Brodiaea elegans</i>	Elegant Brodiaea	Tehama Co.
<i>Brodiaea stellaris</i>	Star Brodiaea	Mendocino Pass in the past.
<i>Brodiaea terrestris</i>	Earth Brodiaea	Sonoma Co. in the past.
<i>Dichelostemma capitatum</i>	Blue Dicks	Scattered records, e.g. Abbott's Lagoon, Point Reyes.
<i>Dichelostemma congestum</i>	Forktooth Ookow	Above Covelo, and Friday Ridge Road.
<i>Dichelostemma ida-maia</i>	Firecracker Flower	Fine in Humboldt Redwoods, and many Friday Ridge Road.
<i>Dichelostemma multiflorum</i>	Roundtooth Ookow	Tehama Co.
<i>Dichelostemma volubile</i>	Twining Snake Lily	Lake County in the past.
<i>Triteleia bridgesii</i>		Tehama County, locally common.
<i>Triteleia hyacinthina</i>	White Brodiaea	Willow Creek area.

<i>Triteleia ixioides</i> ssp. <i>anilina</i>	Pretty Face	McCloud in the past.
<i>Triteleia laxa</i>	Ithuriel's Spear	Widespread and locally common, e.g. Highway 162.
<i>Triteleia lilacina</i>	Foothill Triteleia	Tehama Co.
<i>Triteleia peduncularis</i>	Long-rayed Brodiaea	Lake County.
<b>Typhaceae</b>		
<i>Sparganium natans</i>	Small Bur-reed	Day 4, 2023
<i>Typha angustifolia</i>	Narrow-leaved Bulrush	Highway 162 in the past.
<i>Typha latifolia</i>	Bulrush	Locally dominant.
<b>Zosteraceae</b>		
<i>Zostera marina</i>	Eel-grass	Point Reyes in the past.

## Systematic List Number 2      Butterflies

‘California Butterflies’ by Garth and Tilden is a useful comprehensive guide to the state’s butterflies. The nomenclature followed here is for the most part that of Scott in ‘The Butterflies of North America’, published by Stanford University Press, 1986.

### Papilionidae

Anise Swallowtail	<i>Papilio zelicaon</i>	Oregon
Indra Swallowtail	<i>Papilio indra</i>	Redwoods and Oregon
Western Tiger Swallowtail	<i>Papilio rutulus</i>	Scattered records, Highway 162, Mendocino Pass, Redwoods
Pale Swallowtail	<i>Papilio eurymedon</i>	Widespread and rather common

### Pieridae

Green-veined White	<i>Artogeia napi</i>	Scattered records
Small White	<i>Artogeia rapae</i>	Mendocino, Cache Creek
Orange Sulphur	<i>Colias eurytheme</i>	

### Lycaenidae

Purplish Copper	<i>Lycaena helloides</i>	2 at Lake Earl
California Hairstreak	<i>Satyrrium californica</i>	Tehama Wildlife Area
Brown Elfin	<i>Callophrys augustinus</i>	Oregon
Western Pine Elfin	<i>Callophrys eryphon</i>	1 at Lake Earl
Spring Azure	<i>Celastrina ladon</i>	Scattered records
Silvery Blue	<i>Glaucopsyche lygdamus</i>	Titlow Hill Road, above Covelo, Weed
Greenish Blue	<i>Plebejus saepiolus</i>	
Boisduval’s Blue	<i>Icaricia icarioides</i>	
Acmon Blue	<i>Icaricia acmon</i>	Near the Redwood visitor centre

### Nymphalidae

Northern Chequerspot	<i>Chlosyne palla</i>	Marin Co.
Edith’s Checkerspot	<i>Euphydryas editha</i>	Tehama Wildlife Area
Hoary Angle-wing	<i>Polygonia gracilis</i>	2+ Mendocino Pass
Mourning Cloak	<i>Nymphalis antiopa</i>	Mendocino Pass
American Lady	<i>Vanessa virginiensis</i>	Lake Earl
Common Buckeye	<i>Junonia coenia</i>	Tehama Co.
California Sister	<i>Adelpha bredowii</i>	Tehama Co.

### Satyridae

California Ringlet	<i>Coenonympha tullia</i> <i>ssp. californica</i>	Widespread and locally common. a.k.a. Large Heath.
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### Danaidae

Monarch	<i>Danaus plexippus</i>	
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### Hesperiidae

Proterius Duskywing	<i>Erynnis proterius</i>	Scattered records
Pacuvius Duskywing	<i>Erynnis pacuvius</i>	Scattered records
Arctic Skipper	<i>Carterocephalus palaemon</i>	Salt Point State Park (Chequered Skipper)
Fiery Skipper	<i>Hylephila phyleus</i>	

## Systematic List Number 3

## Amphibians and Reptiles

The nomenclature is taken from 'A Field Guide to Amphibians and Reptiles of California' by Robert C. Stebbins and Samuel M. McGinnis, University of California Press, 2012.

Del Norte Salamander	<i>Plethodon elongatus</i>	Stout Grove Redwoods
Painted Ensatina	<i>Ensatina eschscholtzii</i> <i>ssp. picta</i>	Stout Grove Redwoods
Speckled Black Salamander	<i>Aneides flavipunctatus</i> <i>ssp. flavipunctatus</i>	Stout Grove Redwoods
California Slender Salamander	<i>Batrachoseps attenuatus</i>	4 in forest at Point Reyes
Pacific Treefrog	<i>Pseudacris regilla</i>	Lake Earl and Olema Marsh
California Red-legged Frog	<i>Rana draytonii</i>	
Northern Red-legged Frog	<i>Rana aurora</i>	
Foothill Yellow-legged Frog	<i>Rana boylei</i>	
Western Pond Terrapin	<i>Actinemys marmorata</i>	Lower Klamath Lakes
Western Fence Lizard	<i>Sceloporus occidentalis</i>	Scattered records, widespread
Sagebrush Lizard	<i>Sceloporus graciosus</i>	McCloud area, Highway 199, Oregon, sagebrush
Western Yellow-bellied Racer	<i>Coluber constrictor</i> <i>ssp. mormon</i>	South Fork Smith River
Gopher Snake	<i>Pituophis catenifer</i>	Ring Mountain
Western Terrestrial Garter Snake	<i>Thamnophis elegans</i> <i>ssp. terrestris</i>	Coast Garter Snake. Point Reyes.

## Systematic List Number 4

## Mammals

Virginia Opossum	<i>Didelphis virginiana</i>	Roadkills seen
Broad-footed Mole	<i>Scapanus latimanus</i>	Hills at Point Reyes etc.
Brush Rabbit	<i>Sylvilagus bachmani</i>	Sign only
Black-tailed Jack Rabbit	<i>Lepus californicus</i>	Above Covelo, Mendocino Pass, McCloud
Least Chipmunk	<i>Eutamias minimus</i>	McCloud area
Yellow-pine Chipmunk	<i>Eutamias amoenus</i>	McCloud area
Sonoma Chipmunk	<i>Eutamias sonomae</i>	Point Reyes
Siskiyou Chipmunk	<i>Neotamias siskiyou</i>	Stout Grove
California Ground Squirrel	<i>Citellus beecheyi</i>	Scattered records, e.g. Tehama Wildlife Area
Golden-mantled Ground Squirrel	<i>Citellus lateralis</i>	McCloud River Loop
Western Gray Squirrel	<i>Sciurus griseus</i>	McCloud area
Douglas Squirrel	<i>Tamiasciurus douglasi</i>	MacArthur Burney Falls
Botta's Pocket Gopher	<i>Thomomys bottae</i>	Sign widespread
Coyote	<i>Canis latrans</i>	1 (or 2) at Point Reyes
Black Bear	<i>Ursus americanus</i>	1 in and by the river at Requa
Raccoon	<i>Procyon lotor</i>	A road casualty north of Redding
Long-tailed Weasel	<i>Mustela frenata</i>	Point Reyes
Striped Skunk	<i>Mephitis mephitis</i>	Road casualties
Harbour Seal	<i>Phoca vitulina</i>	Sonoma Coast and Klamath area
Northern Elephant Seal	<i>Mirounga angustirostris</i>	Many at Chimney Rock, Point Reyes
Wild Boar	<i>Sus scrofa</i>	Rooting activity in McCloud area
Elk	<i>Cervus canadensis</i>	Locally in the Redwoods (Roosevelt Elk), and at Point Reyes (Tule Elk), 3 females.
Mule Deer	<i>Odocoileus hemionis</i>	Widespread and reasonably common
Pronghorn	<i>Antilocapra americana</i>	4 near Dorris

## Systematic List Number 5

## Birds

Red-throated Loon	<i>Gavia stellata</i>	Point Reyes.
Clark's Grebe	<i>Aechmophorus clarkii</i>	3 at MacArthur Burney Falls.
Black-necked Grebe	<i>Podiceps nigricollis</i>	Klamath Lakes.
Pied-billed Grebe	<i>Podilymbus podiceps</i>	Klamath Lakes.
American White Pelican	<i>Pelecanus erythrorhynchos</i>	Several in the air over Klamath Lakes.
Brown Pelican	<i>Pelecanus occidentalis</i>	Point Reyes, and further north along the coast.
Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>	Local along the coast.
Brandt's Cormorant	<i>Phalacrocorax penicillatus</i>	Coastal.
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	Widespread.
Night Heron	<i>Nycticorax nycticorax</i>	Humboldt Bay and Klamath Lakes.
Snowy Egret	<i>Egretta thula</i>	Scattered records.
Great Egret	<i>Ardea alba</i>	Widespread.
Great Blue Heron	<i>Ardea herodias</i>	Scattered records, e.g. Point Reyes
Cattle Egret	<i>Bubulcus ibis</i>	Central Valley.
Canada Goose	<i>Branta canadensis</i>	Widespread.
Aleutian Goose	<i>Branta hutchinsii leucopareia</i>	Humboldt Bay.
Mallard	<i>Anas platyrhynchos</i>	Scattered records.
Gadwall	<i>Anas strepera</i>	Klamath Lakes.
Shoveler	<i>Anas clypeata</i>	Klamath Lakes.
Cinnamon Teal	<i>Anas cyanoptera</i>	Klamath Lakes.
Ruddy Duck	<i>Oxyura jamaicensis</i>	Klamath Lakes.
Redhead	<i>Aythya americana</i>	Klamath Lakes.
Black Scoter	<i>Melanitta nigra</i>	Point Reyes, Redwood coast.
Surf Scoter	<i>Melanitta perspicillata</i>	Locally along the coast.
Goosander	<i>Mergus merganser</i>	Requa.
Turkey Vulture	<i>Cathartes aura</i>	Very common and widespread.
White-tailed Kite	<i>Elanus leucurus</i>	Point Reyes and Humboldt Bay.



Osprey	<i>Pandion haliaetus</i>	Point Reyes and Day 8.
Hen Harrier	<i>Circus cyaneus</i>	On 2 days at Point Reyes.
Red-shouldered Hawk	<i>Buteo lineatus</i>	Point Reyes.
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Common and widespread.
American Kestrel	<i>Falco sparverius</i>	A few records.
Pheasant	<i>Phasianus colchicus</i>	Klamath Lakes.
California Quail	<i>Callipepla californica</i>	Widespread and common.
Mountain Quail	<i>Oreortyx pictus</i>	Mendocino Pass.
American Coot	<i>Fulica americana</i>	Klamath Lakes.
Killdeer	<i>Charadrius vociferus</i>	Klamath Lakes.
Black Oystercatcher	<i>Haematopus bachmani</i>	A few along the coast.
Long-billed Curlew	<i>Numenius americanus</i>	2 at Klamath Lakes.
Mew Gull	<i>Larus canus</i>	Scattered records.
Ring-billed Gull	<i>Larus delawarensis</i>	Scattered records.
Herring Gull	<i>Larus argentatus</i>	Scattered records.
California Gull	<i>Larus californicus</i>	Scattered records.
Western Gull	<i>Larus occidentalis</i>	Very common along the coast.
Caspian Tern	<i>Sterna caspia</i>	Point Reyes and Klamath Lakes.
Forster's Tern	<i>Sterna forsteri</i>	Klamath Lakes.
Common Murre	<i>Uria aalge</i>	Local along the coast.
Pigeon Guillemot	<i>Cephus columba</i>	Widespread in small numbers along the coast.
Band-tailed Pigeon	<i>Columba fasciata</i>	Point Reyes and Day 9.
Rock Dove	<i>Columba livia</i>	Scattered records.
Mourning Dove	<i>Zenaida macroura</i>	Widespread and common.
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Scattered records, including Point Reyes.
Black Swift	<i>Cypseloides niger</i>	MacArthur-Burney Falls.
Vaux's Swift	<i>Chaetura vauxi</i>	Tehama Co.
Black-chinned Hummingbird	<i>Archilochus alexandri</i>	A few records.
Anna's Hummingbird	<i>Calypte anna</i>	Mendocino Co.
Acorn Woodpecker	<i>Melanerpes formicivorus</i>	Mendocino Co. and Tehama Co.
Northern Flicker	<i>Colaptes auratus</i>	Scattered records, seen on 5 days.
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Day 8.
Red-breasted Sapsucker	<i>Sphyrapicus ruber</i>	McCloud area.
Olive-sided Flycatcher	<i>Contopus borealis</i>	Heard occasionally.
Western Wood-pewee	<i>Contopus sordidulus</i>	McCloud (JW and MW)
Hammond's Flycatcher	<i>Empidonax hammondi</i>	MacArthur Burney Falls
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>	A few records.
Black Phoebe	<i>Sayornis nigricans</i>	Scattered records.
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	Tehama Wildlife Area.
Western Kingbird	<i>Tyrannus verticalis</i>	Widespread.
Hutton's Vireo	<i>Vireo huttoni</i>	Point Reyes.
Warbling Vireo	<i>Vireo gilvus</i>	Lake Earl.
Steller's Jay	<i>Cyanocitta stelleri</i>	Widespread and common.
Western Scrub Jay	<i>Aphelocoma californica</i>	Widespread and common.
American Magpie	<i>Pica hudsonia</i>	Klamath Lakes.
American Crow	<i>Corvus brachyrhynchos</i>	Widespread and common.
Raven	<i>Corvus corax</i>	Widespread and common.
Tree Swallow	<i>Tachycineta bicolor</i>	Scattered records.
Violet-green Swallow	<i>Tachycineta thalassina</i>	Scattered records.
Purple Martin	<i>Progne subis</i>	Day 9.
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	Widespread.
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	Scattered records.
Barn Swallow	<i>Hirundo rustica</i>	Widespread and common.
Black-capped Chickadee	<i>Poecile atricapillus</i>	Lake Earl.
Mountain Chickadee	<i>Poecile gambeli</i>	Mendocino Pass.
Bushtit	<i>Psaltirparus minimus</i>	Point Reyes.
Pygmy Nuthatch	<i>Sitta pygmaea</i>	2 at wet meadow east of McCloud.
Bewick's Wren	<i>Thryomanes bewickii</i>	Oregon.

Winter Wren	<i>Troglodytes troglodytes</i>	Lake Earl.
Marsh Wren	<i>Cistothorus palustris</i>	Klamath Lakes.
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Heard in Redwoods area.
Western Bluebird	<i>Sialia mexicana</i>	A male and a female at Point Reyes.
Townsend's Solitaire	<i>Myadestes townsendi</i>	Mendocino Pass.
American Robin	<i>Turdus migratorius</i>	Widespread and common.
Northern Mockingbird	<i>Mimus polyglottos</i>	San Rafael and Day 12.
Starling	<i>Sturnus vulgaris</i>	Common and widespread.
Cedar Waxwing	<i>Bombycilla cedrorum</i>	A flock daily around the hotel at San Rafael, and at Lake Earl.
Yellow-rumped Warbler	<i>Dendroica coronata</i>	McCloud area.
Wilson's Warbler	<i>Wilsonia pusilla</i>	Point Reyes and Mendocino Co.
Western Tanager	<i>Piranga ludoviciana</i>	McCloud.
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	Mendocino Pass and Day 6.
California Towhee	<i>Pipilo crissalis</i>	Mendocino.
Green-tailed Towhee	<i>Pipilo chlorurus</i>	Mendocino Pass.
Spotted Towhee	<i>Pipilo maculatus</i>	Point Reyes.
Sage Sparrow	<i>Amphispiza belli</i>	Sagebrush.
Chipping Sparrow	<i>Spizella passerina</i>	Mendocino.
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Scattered records.
Lincoln's Sparrow	<i>Melospiza lincolnii</i>	Lake Earl.
Song Sparrow	<i>Melospiza melodia</i>	Widespread and common.
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	Scattered records, common Point Reyes
Dark-eyed Junco	<i>Junco hyemalis</i>	Scattered records.
Western Meadowlark	<i>Sturnella neglecta</i>	Scattered records.
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	Widespread and very common.
Tricolored Blackbird	<i>Agelaius tricolor</i>	Klamath Lakes.
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	Widespread and very common.
Brown-headed Cowbird	<i>Molothrus ater</i>	Scattered records.
Bullock's Oriole	<i>Icterus bullockii</i>	Mendocino Co.
Hooded Oriole	<i>Icterus cucullatus</i>	San Rafael.
House Finch	<i>Carpodacus mexicanus</i>	Widespread.
Pine Siskin	<i>Carduelis pinus</i>	Point Reyes and McCloud area.
American Goldfinch	<i>Carduelis tristis</i>	Widespread.
House Sparrow	<i>Passer domesticus</i>	Locally common.