

Rare, Threatened and Endangered Plants of Marin County: 129.

Location by USGS Quad number

Status of the plants is as recorded by the 6th, and subsequent CNPS Inventories.

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CNPS 1B= rare, endangered or threatened. 2= rare in Ca, more common elsewhere. 3= under investigation. 4= limited distribution. *= Ca. or Federal - listed as of concern, rare, threatened or endangered.

This list was last updated Feb. 2016, for content by Doreen Smith, phone, 1-415-479-7888, or e-mail, dlsflora321@gmail.com

1. *Abronia maritima*, 4.2, red sand-verbena, once found by Phyllis Faber on the strand of N. Stinson Beach.
2. *Abronia umbellata* ssp. *breviflora*, pink sand verbena, 1B.1, RED 2-3-2, perennial herb of upper beaches and in dune depressions, alt. 5-20 feet, Pt. Reyes, at the Horseshoe Pond beach: on Mendoza "B" Ranch in 2 dune gullies; Limantour Beach, 2009, also Dillon Beach, on the strand, blooms May-Sept. 485B, 485C, 502C. *In my opinion little different from the common variety.
3. *Agrostis blasdalei*, Blasdale's bentgrass, 1B.2, RED, 3-2-3, perennial grass of coastal areas in old sand soils, 25-150ft. Pt. Reyes Peninsula, at the corner of North Beach Road and S.F. Drake, the road to the Light-house; some dune sites and near Marshall Beach Road near the "new quarry"; plant was recorded from Elephant Rocks, W. of Tomales but not seen there last 15 years, similar habitat occurs nearby on private land but is unavailable for search, blooms in May, 485B, 485C.
4. *Alopecurus aequalis* var. *sonomensis*, Sonoma alopecurus, 1B.1, RED 3-3-3, a perennial grass of very wet sites at 10-20 feet alt. by Abbotts Lagoon trail; Coastguard property; Old Radio Sta. property, fresh-water seeps behind 10 mile beach, Pt. Reyes; blooms in May-Aug. 485C. Plant has different awns from the typical more common variety.
5. *Amorpha californica* var. *napensis*, Napa false indigo, 1B.2, RED 2-2-3, shrub or small tree of mixed evergreen woodland, 300-1400 feet, East and the N- side of Mt. Tamalpais as scattered individuals; Cascade Canyon. Open Space ca. 100 plants, Olompali State Historic Park, ca. 500 plants on N - facing slope of Mt. Burdell. The plants flower in May; 484A; 467A, they need disturbance or fire to reseed.
6. *Amsinckia lunaris*, "bent-flowered" fiddleneck, 1B.2, RED, 2-2-3, annual herb of open woods, scree slopes and coastal grassland, 20- 500 feet. Some plants were supposedly present from sites in San Geronimo and at Big Rock Ridge, near Lucas Valley Road, these sites now probably extirpated. The only recent sightings were in 1998- 2005, on Walker Creek S. bluffs, in the Tomales area, i.e. 2 small pops there, now possibly one pop. at the entrance to Cascade Canyon open space (2002). Numbers fluctuate year to year. In 2001 only 5 plants were counted, in 2005 over 100, most were on private land on the slopes above Walker Creek Bridge on Hwy.1, S. of Tomales. Plants flowers in early April and into May some years, 485B.
7. *Arabis blepharophylla*, coast rock cress, 4.3, RED, 1-1-3, perennial herb of rocky sites, 100 - 800 feet. Dillon Beach E. (Elephant rocks) Marin Headlands, G.G.N.R.A.; Pt. Reyes; Tomales, at Walker Creek bluffs, Alpine Lake S. and near the dam; Woodacre, on S.G. Ridge N. above Buckeye Circle, (on serpentinite) and a little off the public trail, Big Rock Ridge to Loma Alta trail serpentine area. Blooms (Feb.) March-April, 485B, 485C, 466C, 467D, 467B.

8. *Arctostaphylos montana* ssp. *montana*, Mt. Tamalpais manzanita, 1B.3, RED, 3-1-3, shrub, mostly on serpentinite 500-1500 feet. Mt. Tamalpais, in considerable numbers, it is an obligate seed reproducer and won't stump-sprout after fires. San Geronimo Ridge; French Ranch Ridge; Big Rock Ridge area - 1 plant was once by the roadside, but it was cut away. Perhaps there are more on adjacent private property. Blooms April-May, 467A, 467B, 484C, 484D.
9. *Arctostaphylos virgata*, Marin manzanita, 1B.2, RED, 2-2-3, shrub; it grows in open forest or in mesic chaparral, from 150- 1200 feet, Mt. Tamalpais; with Douglas'-fir and Bishop Pine Forest, Pt. Reyes; Tomales Bay State Park. Plants bloom in Feb. March-April, 467A, 484C. Plants from the S. flank of Mt. Tamalpais are nearly extirpated. They also supposedly occurred just above Muir Woods.
10. *Arenaria paludicola*, marsh sandwort 1B.1, was recorded from Pt. Reyes marshes, but not seen there lately. It's now reintroduced at Rodeo Lagoon, 467D.
11. *Aspidotis carlotta-halliae*, Carlotta Hall's lace fern, 4.2, RED, 1-2-3, perennial hybrid fern of serpentinite rocks at ca.1000 feet. Mt. Tamalpais' s Bootjack area, and the tip of Tiburon peninsula . One parent, *A. californica*, is rare in Marin but occurs near location of *A. c-h.* at the sites mentioned *A. densa* is common on serpentinite rocks in Mt. Tamalpais area.,467A
12. *Astragalus breweri*, Brewer's milk-vetch, 4.2, RED, 1-2-3, annual herb, open areas, ca. 2,000 feet, often on serpentinite. Mt. Tamalpais, area near Rock Spring parking area; path to "Dad Rourke's bench"; and other nearby locations in this part of Mt. Tamalpais These are the only pops. known in Marin. They flower (purplish petals) in March-April,467A.
13. *Astragalus pycnostachyus* var. *pycnostachyus*, coastal marsh milk vetch, 1B.2, RED, 3-2-3, 2-20ft. Perennial herb of upper salt marshes, beaches and adjacent bluffs, Pt. Reyes National Seashore. It still grows about the shores and bluffs of Drakes Estero, the Bolinas Lagoon pop. is prob. extirpated: the plant flowers June-Sept. 485C.
14. *Blennosperma nanum* var. *robustum*, Pt. Reyes blennosperma 1B.2, RED, 3-2-3, annual herb of coastal sandy soils, at 20-300 feet, Pt. Reyes, blooms in March, can be large plants, many ray florets, yellow pollen, blooms in March, 485B, 485C. Does not seem to merge with var. *nanum*, which blooms earlier, in the E. part of the county. That var. is smaller in all parts and has white pollen.
15. *Calamagrostis ophitidis*, serpentine reed grass, 4.3, RED, 1-1-3, perennial grass of serpentinite soils, grassland and chaparral, 300-1000 ft. alt. at French Ranch, Mt. Tamalpais and Ring Mountain, Tiburon peninsula. Blooms in May, 466B, 467A, 467B, 484C.
16. *Calamagrostis crassiglumis* (aka *stricta* ssp. *inexpansa*.) Thurber's reedgrass, 2B.1*, RED, 3-1-1, perennial grass of wet coastal sites, at ca. 50 ft alt., Bull Point marsh, Pt. Reyes at N-Beach Flats; nr. Radio Station; Lunny (G) Ranch, blooms in May-June, 485C.
17. *Calandrinia breweri*, Brewer's calandrinia, 4.2, RED, 1-2-2, annual herb of burned or disturbed sandstone chaparral e.g. on Verna Dunshee trail, 2005, Mt. Tamalpais plants were also abundant on Big Rock Ridge above Rubicon Ct. in 1990, after a 1989 chaparral fire, blooms April, May 484C, 467A.
18. *Calochortus tiburonensis*, Tiburon mariposa lily, 1B.1, RED, 3-3-3, perennial bulb of serpentine grassland ca.500ft. Ring Mountain W. area, on serpentine; three population centers are within this site. Threatened by trampling and construction of roads and trails. The Town of Corte Madera's population is possibly excluded from the preserve and vulnerable. Plants flower end May- early June, 466B, 467A.

19. *Calochortus umbellatus*, Oakland star-tulip, 4.2, RED, 1-2-3, perennial bulb of serpentine areas, 100 - 1,500ft. Mt. Tamalpais, common on the mountain and on N-trending serpentine ridges to San Geronimo; Ring Mountain area; Mill Valley along Panoramic Hwy. nr. MuirWoods junction; Loma Alta hill N. side is a relatively new population, found 1999. Blooms April- May, 484C, 484D, 467A, 467B, 466B.
20. *Calochortus uniflorus*, pink star-tulip, 4.2, perennial bulb of vernal-wet sites. Mt. Tamalpais Barth's Retreat, Lagunitas Meadows, Millerton Point: Ring Mountain s. slope in a wet gully E. of Petroglyph Rock
21. *Calystegia collina* ssp. *oxyphylla*, Mt. St. Helena morning glory, 4.2, RED, it seems likely our plants from the N. side of Mt. Tamalpais, are this taxon; Azalea Hill and Carson Ridge and perhaps similar serpentine areas.
22. *Calystegia purpurata* ssp. *saxicola*, coastal bluff morning-glory, 1B.2, RED, 2-2-3, perennial herb of rocky coastal -bluff-grassland, at ca. 200ft Pierce Point, PRNS; Dillon Beach Bluffs, at "Oceana Marin" subdivision and probably also to the N. of there, on private lands proposed for development. Plants with rounded leaf tips on the Chimney Rock peninsula have different (large pink) flowers. Blooms in May-June, 502C.
23. *Campanula californica*, swamp harebell, 1B.2, RED, 2-2-3 perennial herb of marshy coastal areas, 10-500ft. Pt. Reyes in marshy places, on hummocks in swamps; Tomales Bay State Park, in seeps with *Rhododendrom columbianum*. Plants flower July-Sept. 485B, 485C.
24. *Carex buxbaumii*, Buxbaum's sedge, perennial herb, 4.2, RED, 1-2-1, in the swales near Radio Station, aka. the N. District Ranger Station, Pt. Reyes Peninsula, 485C.
25. *Carex leptalea*, bristle-stalked sedge, 2B.2, RED, 3-2-1, a perennial sedge of wet areas. Pt. Reyes; has been recorded as occurring at the head of Ledum Swamp, but it has not been seen recently, 485C.
26. *Carex lyngbyei*, Lyngbye's sedge, 2B.2, RED, 2-2-1, perennial, of saltmarsh near Pt Reyes Sta. and Inverness Park, 485D.
27. *Castilleja affinis* var. *neglecta*, Tiburon Indian paintbrush, 1B.2, RED, 3-2-3, perennial herb on serpentine grasslands, 200-1,000ft. Tiburon Peninsula, Nicasio Highlands, S. of the reservoir. Population on lands of Town of Corte Madera above Endeavor Dr. possibly not protected. Blooms May-June, 466B, 467A, 484C.
28. *Castilleja ambigua* ssp. *humboldtiensis*, Humboldt Bay Owl's- clover, 1B.2, RED, 2-2-3, annual herb at 0 ft in saltmarshes; Inverness, W. P. Shields area, more found 2001, in newly acquired parts of Tomales Bay S.: also at Tomales Bay N.E. in Tom's Point saltmarsh. Differs from the Humboldt Bay population in some respects i. e. color and habitat but was id'd by M. Weatherwax at Jepson / U.C. Herb. blooms in April-May, 485B, 485D.
29. *Castilleja leschkeana* Pt. Reyes paintbrush, not in TJM 2, (syn. given as *C. chrymactis*) found near road to McClures Beach, in a marsh, no Herbarium spm. exists. 485B
30. *Ceanothus decornutus*, Nicasio Highlands ceanothus, 1B.1? 485D. newly described by Tom Parker
31. *Ceanothus gloriosus* var. *exaltatus*, tall glory-brush, 4.3, RED, 1-1-3, shrub of coastal chaparral, Bolinas Ridge E. of Bolinas. Few plants only, disturbance needed for new seedlings to appear. Merges With *C. masonii* to South, , blooms in April, 467B.

32. *Ceanothus gloriosus* var. *gloriosus*, Pt. Reyes ceanothus, 4.3, RED, 1-1-3 evergreen prostrate shrub in coastal scrub and grassland at 100-400ft. Coastal bluffs of Pt. Reyes, Drakes Beach headlands., N. Beach junction, nr. Marshall Beach Rd. at the quarry and to the north, along the trail. Blooms in late March, early April, 485B, 485C.
33. *Ceanothus gloriosus* var. *porrectus*, Mt. Vision ceanothus, 1B.2, RED, 3-1-3, evergreen prostrate shrub in Bishop pine areas at 200-500ft. Tomales Bay State Park and on Pt. Reyes granitic uplands, merges into preceding var. Fire burned many plants, now habitat is in cases filled in with other spp. Blooms in March-April, 485C.
34. *Ceanothus masonii*, Mason's ceanothus, 1B.2, RED, 3-2-3, an evergreen shrub of Bolinas Ridge, ca 1300 to 1500ft. Bolinas Ridge, N. of Fairfax-Bolinas Rd. Perhaps just a form of *C. gloriosus*, or hybrid of *C. exaltatus* and *C. cuneatus*. Blooms in late March and April, 467B (485A). N. Marin occurrences. Near Walker Creek Ranch (by Roger Raiche unconfirmed) maybe another new sp. like at Nicasio Highlands "*Ceanothus decornutus*".
35. *Chloropyron maritimum* ssp. *palustre*, Pt. Reyes birds-beak, 1B.2, RED, 2-2-2, an annual herb of salt marshes at ca. 0ft. Just N. of China Camp by Bucks Landing boat launch; Pt. Reyes all suitable shores, Manzanita and Almonte Marshes, especially nr. the Heliport and Strawberry's Bayside Park; Greenbrae Marina, Bolinas Lagoon; E-side Tomales Bay. The Pt. Reyes forms differ in appearance from other more easterly populations they have more glaucous- green leaves and smaller flowers. The easterly sites' plants have purple leaves. Blooms June-Aug. 467A, 483C, 467B, 485C, 485B.
36. *Chloropyron molle* ssp. *molle* soft bird's-beak, 1B.2, RED, 3-2-3, annual herb, N. S.F. Bay saltmarshes. Supposedly on N. San Pablo Bay shores on private land nr. San Antonio Creek near Burdell Station, no recent sightings reported, 483C.
37. *Chorizanthe cuspidata* var. *cuspidata*, San Francisco Bay spineflower, 1B.2 RED, 2-2-3, sand-dunes, supposedly it is on Angel island and in the San Rafael Quad but not seen recently in either site, now it exists only at Abbotts Lagoon and at Dillon Beach near the entrance to Lawson's Landing and in moister areas of the dunes, with var. *villosa*, blooms in May-June, 485B (485C).
38. *Chorizanthe cuspidata* var. *villosa*, woolly-headed spineflower, 1B.2, RED, 3-2-3, annual herb, coastal sand. on Pt. Reyes, very common on sandy soils, Drake's Bay quad. Tom's Point also with var. *cuspidata* at Lawson's Landing dunes. Blooms May- June, 485B, 485C.
39. *Chorizanthe cuspidata* "var. *robusta*", old dunes spine flower, 1B*, RED, 3-3-3, in sandy areas near Abbotts Lagoon trail parking and several places North of there, 1000's of plants in 2002. Has a peduncle so erect, not sprawling in habit, 485B, 485D, blooms June- July.
40. *Chorizanthe valida*, Sonoma spineflower, 1B.1, RED, 3-3-3, annual herb, moist sand flats at ca. 10-20 feet, Lunny Ranch (G-ranch), Pt. Reyes. P.R.N.S. has attempted to seed additional populations within the Drake's Bay quad. at "F" Ranch, blooms June-July, 485C.
41. *Cirsium andrewsii*, Franciscan thistle, 1B.2, RED, 2-2-3, perennial herb of moist coastal grassland, 50-300ft. on Pt. Reyes and Tom's Point, also G.G.N.R.A. near Rodeo Lagoon; Tennessee Valley nr. the ocean. We have 2 forms of this species on Pt. Reyes - one robust, purple-flowered of well-drained swales on bluffs; the other is slender, often with whitish flowers and growing in freshwater marshes, in mud with *Campanula californica* and *Sidalcea calycosa* ssp. *rhizomata*, 485B, 485C.

42. *Cirsium hydrophilum* var. *vaseyi*, Mt. Tamalpais thistle, 1B.2, RED, 3-2-3, biennial herb of serpentine springs of the Mt. Tamalpais area at ca. 500 - 1,000ft, above Bootjack camp; Liberty Gulch, in a seep by road from Bolinas to Fairfax, on MMWD property; S. of Bootjack ditch; San Geronimo Ridge in N- slope ditch, by Sylvestris Rd. E.; W. Azalea Hill area. Flowers are produced in May- June, 467A,467B, 484C.

43. *Clarkia concinna* ssp. *raichei*, Raiche's red ribbons clarkia, 1B.1, RED, 3-3-3, annual herb, coastal bluffs at ca. 10- 50 feet, Walker Creek area, S. W. of Tomales. Threatened by gorse invasion, landslides and extreme road maintenance. Numbers fluctuate considerably from year to year, the plants require early fall and late winter rains for abundance. Flowers are produced in April, 485B.

44. *Collinsia corymbosa*, round-headed Chinese-houses, 1B.2, RED, 2-2-3, annual, of coastal dunes, ca.10-50 feet. Supposedly at Bolinas, also Pt. Reyes, but only old Herbarium records exist by Alice Eastwood, voucher is *C. c.* not *C. bartsiiifolia*. Plants not seen by anyone recently, therefore prob. extirpated. Flowers in May, in Mendocino County. 485B or 485C definite locations are uncertain.

45. *Cypripedium californicum*, Ca. lady's-slipper, 4.2, RED, 1-2-2, perennial herb of serpentine seeps, supposedly was on Mt. Tamalpais above Muir Woods but Alice Eastwood picked the last ones? They are on a sheet in Cal. Acad. Herbarium, 1 stem taken from it is in Jepson Herb. No recent sightings, suitable habitat still exists on streamside trails up from Muir Woods. Blooms in May, 467A.

46. *Delphinium bakeri*, Baker's larkspur, 1B.1, RED, 3-3-3, perennial herb of coastal scrub/ mixed woodland border Salmon Creek Canyon only, just half mile E. of the Soulejule reservoir access-road, on a bank prone to extreme levels of "highway maintenance", in 2002 plants cut to ground in May. In 2004 site was burned in a backfire then scraped away by MDPW 2005 in culvert clearing now almost extinct at site. Seen flowering in April, 2015 (only three plants), 485A.

47. *Delphinium luteum*, golden larkspur, 1B.1, RED, 3-3-3, perennial herb of rocky coastal slopes. Rumored to be on E. Pierce Pt. aka Tomales Pt. now found on cliffs S. of Tomales and nr. Estero Americano only one plant seen and confirmed in 4/1/1999, also seen 2011, S. of Tomales, by Betty Guggolz and Jason Koontz. Blooms in April, 485B. Last seen 2016.

48. *Dirca occidentalis*, western leatherwood, 1B.2, RED, 2-2-3, shrub of openings in evergreen woodland. Alpine Dam area, N. Mt. Tamalpais; Samuel P. Taylor Park in Devil's Gulch, where there are two separate populations and a few scattered individuals; E. end Nicasio Dam; supposedly in Tomales Bay State Park, Pt. Reyes but there are no recent sightings from there. Blooms Jan. - March, 484C, 485D, 467B

49. *Elymus californicus*, Ca. bottle-brush grass, 4.3, RED, 1-1-3, perennial grass of roadsides and forest openings: Richardson Bay Audubon sanctuary; Tennessee Valley; E. Samuel P. Taylor St. Pk., along E. side of Lagunitas creek.; W. side of the Tomales Bay St. Pk.; near Big Rock, by redwood trees; on Pt. Reyes, roadside Ledum Swamp W. in Bear Valley and just S. of Bass Lake in willow thicket on Mt. Tamalpais; Willow Meadow and nr. L. Lagunitas spillway. Blooms in May, 484C, 467A, 467B, and 485D.

50. *Erigeron biolettii*, streamside daisy, 3, RED ?-?-3, perennial herb of rocks, on Mt. Burdell, N. end of San Andreas Dr. on rhyolite rock outcrop. and at the summit. A Pt. Reyes report (Elmer) has been re-identified and was probably not collected on the Peninsula Blooms July- Oct. 484A.

51. *Erigeron supplex*, supple daisy, 1B.2, RED, 3-2-3, perennial herb of coastal bluffs, not seen recently, perhaps extirpated. Recorded at Pt. Reyes, Tomales point and between the Lighthouse area and Chimney Rock, 485C.

52. *Eriogonum luteolum* var. *caninum*, Tiburon buckwheat, 1B.2, RED, ?-2-3, annual herb of mostly serpentine soils. Mt. Tamalpais, in openings of serpentine chaparral. Classic site Ring Mountain area; Tiburon Peninsula; Big Rock Ridge (some on sandstone); Hoo-Koo-E- Koo trail, Kent Woodlands. Most northerly site is in S. Chileno Valley serpentine by roadside on Wilson Hill Rd. Very common, if broadly but not if narrowly considered in this County. Blooms May-June and later. 485A, 484A, 484C, 484D, 467A, 467B.

53. *Erysimum concinnum* RED 4.2, beautiful wallflower, Pt. Reyes only, found on sandy places and ocean bluffs, blooms Feb. to July. 485B, 485C.

54. *Erysimum franciscanum*, San Francisco wallflower, 4.2, RED, 1-2-3, perennial herb of coastal rocks. Flowers white, cream or yellow flowers on plants in different populations, Mt. Tamalpais St. Pk. (Rocky Point) Marin Headlands in GGNRA., nr. G.G. Bridge overlook and Pt. Bonita: Muir Beach, Spindrift point. Pt. Reyes, two pops, one near Abbotts Lagoon, one near Bull Point trailhead. Plant blooms in March, 467D, 467A and 467B.

55. *Fissidens pauperculus*, 1B, RED, 2-2-3, a moss, 467A, 467B.

56. *Fritillaria lanceolata* var. *tristulis*, Marin checker lily, 1B.1, RED, 3-3-3, perennial (triploid) bulb of coastal prairie, 50-400ft. Mostly on Pt. Reyes including Bolinas N. bluffs, Limantour area; also Nicasio Reservoir area; Tomales Bay St. Pk. (a few along road amid pine and *Calamagrostis nutkaensis*) Millerton Point, Marconi, perhaps on Dillon Beach bluffs overlooking the Pacific (old record) Muir Beach, Pirates Cove), 484C, 485B, 485C, and 467B. *F.affinis* in Jepson 2012.

57. *Fritillaria liliacea*, fragrant fritillary, 1B.2, RED, 2-2-3, perennial bulb of moist grassland incl. serpentine. Limantour area Pt. Reyes; Nicasio Reservoir; Martinelli Ranch; Cormorant Beach (E. Tomales Bay); Mt. Burdell; Stafford Lake w. Some of the Pt. Reyes and Tomales Bay S. plants have maroon markings inside corolla at Limantour Spit area, they are perhaps threatened by elk relocation, 484A, 484C, 485C

58. *Gilia capitata* ssp. *chamissonis*, blue coast gilia, 1B.1, RED, 2-3-3, annual herb of sand dunes, Limantour S.; dunes of 10-mile Beach, inland on older dunes, Pt. Reyes National Seashore; Tom's Point. Blooms May-June, 485B, and 485C.

59. *Gilia capitata* ssp. *tomentosa*, woolly headed gilia, 1B.1, RED, 3-3-3, annual herb, supposedly 6 miles N. of Bolinas and nr. Tomales, on the bluffs S. of town. Recently found in recent searches, at GGNRA Nicasio Highlands, blooms late spring, May - June, 467B, 485B.

60. *Gilia millefoliata*, dark-eyed gilia, 1B.2, RED, 2-2-2, annual herb of sand flats and coastal grassland, Pt. Reyes, Abbotts Lagoon trail; Bull Point's sandy barrens; Lunny (G) Ranch sand flats. Blooms in April-May, 485B and 485C.

61. *Glehnia littoralis* ssp. *leiocarpa*, American glehnia, 4, RED, 1-2-1, perennial herb, recorded without voucher specimen, coastal strand, N. Dillon Beach, blooms May-Aug. 502C.

62. *Helianthella castanea*, Diablo helianthella, 1B.2, RED, 2-2-3, perennial herb supposedly once found in Marin, in Mill Valley, San Rafael quad. ref. given. Possibly occurs on Mt. Tamalpais in chaparral openings. Not seen for many years, 467A, old, 1938, likely an erroneous record.

63. *Hemizonia congesta* ssp. *congesta*, congested-headed hayfield tarplant, (was *H. congesta* ssp. *leucocephala* in JEPS 1) 1B.2, RED, 1-?-3, annual herb in grassland. was N. San Rafael on St Vincent's property; Tomales High School Campus near the road entrance; Bolinas Mesa N. W. East of Tomales in cattle-grazed pastures. Probably does not much intergrade with yellow ssp. *lutescens* in our area, not often found adjacent to that ssp. Chileno Valley Road junction, E. of Tomales., blooms May-Sept. 467B, 484D, 485B,

64. *Hesperovax sparsiflora* var. *brevifolia*, short-leaved evax, 1B.2, RED, 2-2-1, tiny annual herb, coastal grassland. Pt. Reyes; Dillon Beach (Oceana Marin) bluffs; Elephant Rocks, Tomales. Blooms in April, 502C, 485B and 485C.

65. *Hesperolinon congestum*, Marin western flax, 1B.1, RED, 3-3-3, annual herb of serpentine grassland, Tiburon peninsula / Ring Mountain, Azalea Hill/ Carson Ridge, Nicasio Highlands, Mt. Burdell. Newly found (in 2000) was a large population at George Lucas' Big Rock Ranch, 466B, 466C, 484D, 467B, 484A, 484C. Similar plants on Leiss Ranch, E. Chileno Valley have glabrous calyces so key to *H. californicum*

66. *Holocarpha macradenia*, Santa Cruz tarplant, 1B.1 RED, 3-3-3, annual herb, grassland, Now prob. ext. was in San Rafael Quad 467A (Ross Valley). No plants reported in Marin in the last 50 years, 467A.

67. *Horkelia cuneata* ssp. *sericea*, Kellogg's horkelia, 1B.1, RED, 3-3-3, perennial herb of closed-cone coniferous forest and coastal scrub. "E. end of Abbotts Lagoon" 485C
Recent sightings (since 1935) unknown, prob. extirpated.

68. *Horkelia marinensis*, Pt. Reyes horkelia, 1B.2, RED, 3-2-3, perennial herb, coastal flats, sandy grassland. S. W. Pt. Reyes, reported from Muir Beach overlook, site not confirmed recently. The plants are threatened by alien perennial grasses, particularly *Holcus lanatus*, A new pop. found in Tomales quad. (1999) near the Marshall Beach fire-road. Blooms May- Aug., 485B, 485C.

69. *Horkelia tenuiloba*, thin-lobed horkelia, 1B.2, RED, 2-2-3, perennial herb, of seasonally moist places in chaparral. Mt. Tamalpais: on S. facing slope at Double Bow Knot fire rd. and N-slope at Willow Meadow; likely the Carson Ridge pop. was lost to fire-road grading, 467B, 467A.

70. *Hosackia gracilis*, harlequin lotus, 4.2, perennial herb of wet meadows and ditches: Bobcat trail GGNRA; common on Pt. Reyes in winter-wet meadows; some populations in the meadows on N. slopes of Mt. Tamalpais, e.g. Sky Oaks Meadow, Rifle camp, Potrero Meadow. Flowers April-June. 484C, 485B, 485C, 485D,

71. *Iris longipetala*, coast iris, 4.2, perennial herb of moist coastal sites; Nicasio reservoir area: Tomales, to Dillon Beach road, downhill section, Chileno Valley Road X Petaluma -Tomales Road.

72. *Juglans hindsii*. Northern California black walnut, 1B.1, RED, 3-3-3, tree from old native American sites, possibly San Anselmo, Novato, Olompali, we're not sure if our plants are native or planted.

73. *Juncus acutus* ssp. *leopoldii*, South-western spiny rush, 4.2, RED, 1-2-1, perennial herb, brackish marshes, San Rafael, nr. Davidson School. Perhaps it was planted in a restoration project but it is self-sowing now. Blooms in May, 467A.

74. *Kopsiopsis hookeri*, small ground-cone, 2B.3, RED, 3-1-1, parasitic perennial herb, on huckleberry or salal. E. side of Mt. Tamalpais in mixed evergreen woodland along Hoo-Koo-E-Koo trail, Baltimore Cyn. Preserve at ca. 1,000ft; near Swede George Creek area, N. side Mt. Tam, (by Andrea Williams). Any Pt. Reyes plants still present have not been seen recently, plant blooms April-May, 467A.

75. Baker's goldfields. *Lasthenia californica* ssp. *bakeri*, 1B.2, RED, 2-2-3, perennial herb of coastal grassland. Herb. voucher discovered from Pierce Point, Pt. Reyes. Taxonomic problem: when moist leaves and a more erect habit, plants near the Pt. Reyes lighthouse are perhaps are this ssp. Blooms mostly in April- Aug. 485B.

76. *Lasthenia californica* ssp. *macrantha*, 1B.2, RED, 2-2-3, perennial goldfields, perennial herb, coastal prairie, Pt. Reyes near the Lighthouse, Chimney Rock and Dillon Beach area. Amount of moisture in

soil apparently affects plant habit/ leaf width/ stem height and perhaps convergence with ssp. bakeri. Plants are perennial only in areas with some summer moisture/ fog drip. Seem to hybridize with ssp. californica on the coast, producing large-flowered annual plants Blooms April -Sept. 485B, 485C.

77. *Lasthenia conjugens*, 1B, RED 3-3-3, Contra Costa goldfields, annual herb, vernal wetlands, grows E. of Highway 1 at the Marin County line near Valley Ford. Re- discovered in a sheep pasture in 2002 by Randall Morgan of Santa Cruz, blooms May, photographed by me on the 22 May in 2003. 502C

78. *Layia carnosa*, beach layia, 1B.1, RED annual herb, RED, 3-3-3, coastal dunes and sand flats. Only on Pt. Reyes but it is very common on dunes of 10 mile beach. Rarely a pink-flowered, purple - involucre forma can be found at S. end of South Beach in the back-dunes; flowers in May-June, 485B, 485C.

79. *Leptosiphon acicularis*, bristly leptosiphon, 4.2, RED, 1-2-3, annual herb, inland grassland. Mt. Tamalpais at Kent Lake overlook, Azalea Hill; Olompali State Hist. Pk. (area of Tertiary volcanics behind, and N. W. of reconstructed Miwok dwellings) Big Rock Ridge S- facing slopes and summit; Mt. Burdell S. W. and east part Deer Island Open Space Preserve on slopes. Indian Valley pond area. Flowers in April, 467A, 467B, 484A, 484D.

80. *Leptosiphon croceus* coast yellow leptosiphon, 1B.1, annual herb, RED, 3-3-3, coastal grassland and scrub, Bolinas area has an old record from near Coastguard Station, no living plants seen by us. Likely our plants were confused with *L. parviflorus* var *rosaceus*, as record says they were not yellow-flowered. 467B.

81. *Leptosiphon grandiflorus*, large flowered Leptosiphon, annual herb, 4.2. RED 1-2-3, coastal grassland and in old sandy soils, Pt. Reyes peninsula. Thrives with some cattle-grazing, which opens-up habitat and removes weedy competitors. Flowers June-Aug, 485B, and 485C. Not in 467A San Rafael

82. *Leptosiphon parviflorus* var *rosaceus*, rose linanthus, annual herb, 1 B, RED, 3-3-3, Pt. Reyes outer Peninsula, in sandy grassland and dunes, Drakes Bay and Tomales quads. NOT the same as the Mori Point plants. Found also w/ white fls. nr. Tomales at Elephant Rocks crossroads in a pasture. The plant flowers in summer unlike the similar slim *L. parviflorus* which blooms more than a month earlier in inland sites, on serpentinite grasslands. Flower color ranges from deep pink to white, some flowers have red spots on inner part of petals. Cattle- grazing seems to favor the plants' abundance. Flowers May – Aug. 485B, 485C and 502C.

83. *Lessingia hololeuca*, woolly-headed lessingia, 3, (4.2) RED, ?-?-3, annual herb, in grassland, often on serpentine. Mt. Burdell; Ross Valley; Terra Linda - Las Gallinas Valley fire road; Ignacio; Wilson Hill Rd. end of Chileno valley, Leiss Ranch; China Camp St. Pk. on Chicken Coop Hill, nr. the road and in Back Ranch Meadows along the fire road; also at Roy's Redwoods. Blooms Aug. – Sept 484A, 484B, 484C, and 483C.

84. *Lessingia micradenia* var. *micradenia*, Tamalpais lessingia, 1B*, RED, 3-2-3, annual herb of serpentine areas. Mt. Tamalpais and N-trending ridges to Carson Ridge/ Azalea Hill then to San Geronimo Ridge and on its N-facing serpentine areas as far N. as Woodacre and French Ranch Open Space. The Big Rock pop. a dubious record but plants may exist on George Lucas's private property. Blooms May- July, 467A, 467B, 484C

85. *Lilaeopsis masonii*, Mason's lilaeopsis, 1B.1, RED, 2-3-3, this species was ID' d by Lincoln Constance from Chicken Ranch Beach, N. of Inverness, Pt. Reyes. Genetic studies have come to the conclusion it is the same species but a more slender forma as our *L. occidentalis*, the forma more common on the seashore. 485D

86. *Lilium maritimum*, coast lily, 1B.1, RED, 2-3-3, perennial bulb, Ledum Marshes and coastal bluffs, rediscovered after "n" years on 3 July, 1997 on Pt. Reyes, in Bull Point/ Abandoned "F" Ranch marshes area, in *Salix/ Rhododendron columbianum* thickets on marsh hummocks. Another pop. reported by Amelia Ryan on old ATT lands. Initially 18 flowering stems were counted. Cattle eat most stems eventually, so few plants set seed. The Pt. Reyes form is especially large-flowered and differs

somewhat from more the northerly form of the sp. It has perhaps hybridized with *L. pardalinum*, which also occurs on Pt. Reyes. Blooms July- Aug., 485C, 485D.

87. *Limnanthes douglasii* ssp. *sulphurea*, Pt. Reyes meadow-foam, 1B. 2, RED, 3-2-3, annual herb, freshwater marsh only at Pt. Reyes S.W end. Plant thrives in grazed areas, needs disturbance and removal of competing perennial grasses to do well. Population at "B" ranch threatened by road maintenance. Blooms March-July, 485C.

88. *Lupinus tidestromii*, Tidestrom's lupine, 1B.1, RED, 3-3-3, perennial herb of coastal dunes, Pt. Reyes. Plants grow along 10-mile beach in open sand of the dunes and bloom in June, 485B, 485C

89. *Micropus amphibolus*, Mt. Diablo cottonweed, 3.2, RED, ?-2-3, annual herb in grassland. Supposedly grows on Big Rock Ridge, Novato and on Mt. Tamalpais. CAS Herb. spmn. is from W. of Hamilton Field. I've not found any plants and the historic sites have been searched. 467A, 467B 484D (2014, Recent photo by Russell Huddleston on Calphotos, taken S. of San Antonio creek area, E. side 101.

90. *Microseris paludosa*, marsh microseris, 1B.2, RED, 2-2-3, perennial herb of moist, coastal grassland. Pt. Reyes, several populations including near Abbots Lagoon, Marshall beach road, and Estero trail road; Dillon Beach bluffs (Oceana Marin) and Elephant Rocks. One population is threatened by the housing development. Probably this population extends to private land N. to Sonoma Cty. line. The inland populations (San Rafael, Corte Madera) recorded in Marin Flora appear to have been extirpated, 485B, 485C, 485D and 502C.

91. *Monardella sinuata* ssp. *nigrescens*, wavy-leaved monardella, 1B.2, RED, 1-2-3, annual herb in sand-dunes, Pt. Reyes 10-mile beach in open sand of dunes. Also at Tom's Point? Many plants most years, 485B, and 485C.

92. *Navarretia cotulifolia*, *cotula navarretia*, 4, RED, 1-2-3, annual herb, black adobe-soil, in grassland nr. a serpentinite area, S. side of Mt. Burdell, lower slopes, Novato. One small population near graded fire road discovered by me in 1998. Marin plants have 4 cream-white petals. 484A.

93. *Navarretia leucocephala* ssp. *bakeri*, Baker's *navarretia*, 1B.1, RED, 2-2-3, annual herb, vernal pools. Occurs in abundance in Hidden Lake, Mt. Burdell, our only population, blooms from May – Aug. 484A or 484D.

94. *Navarretia rosulata*, Marin County *navarretia*, 1B.2, RED, 2-2-3, annual herb, serpentine chaparral openings on N. Mt. Tamalpais. Often associated with *Hesperocyparis sargentii*: San Geronimo Ridge; above Bootjack on the Old Stage Rd.; Azalea Hill; Carson Ridge to crest of San Geronimo Ridge. Blooms in May, 467A and 467B, 484C.

95. *Pentachaeta bellidiflora*, white-rayed *pentachaeta*, 1B.1, RED, 3-3-3, annual herb, serpentine grassland. Once (1970) on San Quentin Peninsula, Mt. Tamalpais, Kentfield, King Mountain and Marin Headlands but exists now only in San Mateo County, on the Triangle at Edgewood Park. Blooms in early April to May, 467A, and 467D.

96. *Perideridia gairdneri* ssp. *gairdneri*, Gairdner's *yampah*, 4, RED, 1-2-3, perennial, moist grassland. Bon Tempe - Lake Lagunitas Meadows; Pt. Reyes many sites, and supposedly nr. Tomales where it was looked for but only *P. kelloggii* found, 467A, 485B, 485C.

97. *Phacelia insularis* var. *continentis*, North Coast *phacelia*, 1B.2, RED, 3-2-3, annual, coastal grassland. Tomales area, not recently found, but plant is very small in dry springs. Pt. Reyes at Lighthouse area; Lunny "G" Ranch, S. of Abbots Lagoon near the trail, N. of Abbots Lagoon public trail. Plant needs disturbance, such as deer or cattle- grazing, to thrive. Blooms March-April, 485B, 485C.

98. *Phacelia* sp. (not *douglasii*) The Bull Point flats near the trail have a similar tiny annual *Phacelia*. The plants have different-looking flowers and lobed leaves so they are not the above sp. So far their true id is unknown.
99. *Piperia elegans* ssp. *decurtata*, Pt. Reyes rein orchid, 1B.1, RED, 3-3-3, perennial herb of coastal bluff grassland, area of Chimney Rock trail, on Pt. Reyes, at S. end of peninsula; nr. Lighthouse and Chimney Rock trailheads, good bloom in 2000, P.R.N.S. volunteers monitored it. Blooms Aug. 485C.
100. *Piperia michaelii*, Michael's rein orchid, 4.2, RED, 1-2-3, perennial herb of several habitats. Known (vouchered, CAS from Black Point mixed oak forest and on E. Marin Is. Rediscovered by me, only 8 plants flowering, at end July 2003 on Pt. Reyes N.S. at the "new quarry hill", E. of the Abbotts Lagoon trailhead. 466B, 483C, 485B.
101. *Pityopus californicus*, California pinefoot, 4.2, RED, 1-2-1, perennial parasitic herb, coniferous forest. Mt. Tamalpais, and San Geronimo, not seen recently, State CNPS presumes it extirpated.
102. *Plagiobothrys chorisianus* var. *chorisianus*, Choris' popcorn flower, 1B.2. RED, 2-2-3, Bolinas record, 1970, blooms April, 467B, not seen or reported recently.
103. *Plagiobothrys diffusus*, San Francisco popcorn flower, 1B.1. RED, 3-3-3, taxonomic problems, does it equal *P. reticulatus* var. *rossianorum* ? Ours are that sp. Abbotts Lagoon area, PORE abundant in vernal wet areas on Pt. Reyes N.S. Blooms mainly Mar.- April and later in permanently damp sites 485B, 485C.
104. *Plagiobothrys glaber*, hairless popcorn-flower, 1A*, annual herb, of salt marshes, prob. extinct was supposedly in Almonte salt-marshes, a voucher exists, Mill Valley, and along railway right-of-way to Sausalito, poss. Marin City, blooms April, 467A.
105. *Pleuropogon hooverianus*, N. Coast semaphore grass, 1B.1, RED, 3-3-3, perennial grass, moist, creekside, shady places, MMWD Sky Oaks, San Geronimo along S. G. Valley Road and S.G. to Nicasio. No other populations have been rediscovered at the historic sites. Possibly at Ring Mountain N. marsh. Blooms April-May, 467A, ext., 484C.
106. *Pleuropogon refractus*, nodding semaphore grass, 4.2, RED, 1-2-1, moist places in woodland. Only Marin site is Palomarin-Arroyo Hondo along fire-trail, some 1 mile distance into the forest. Blooms in May, 467B.
107. *Polygonum marinense*, Marin knotweed, 3.1, RED, 3-3-3, annual herb, tideline of saltmarshes. Greenbrae/Larkspur; Pt. Reyes, by Oyster Farm inlet bridge; Tomales Bay, at Inverness. Blooms May- July, 466B, 467B, 485C, 485A. Taxonomic problem: perhaps it's not native (*P. robertii*) an alien species, a bilge water contaminant.
108. *Quercus parvula* var. *tamalpaisensis*, 1B.3. Tamalpais oak RED, 3-1-3, a small tree of shaded places on Mt. Tamalpais. Sky Oaks /Pilot Knob, Mt. Tamalpais, e.g. along N-side trail, International trail, Old Stove trail and possibly along Matt Davis Trail on S-slope. A newer treatment may return plants to *Q. wislizeni*, the acorns are blunt-tipped, 467A, 467B.
109. *Ranunculus lobbii*, Lobb's aquatic buttercup, 4.2, RED, 1-2-3, annual, vernal pools. Lily Lake, Mt. Tamalpais (ext.); Hidden Lake, Novato, Mt. Burdell; in roadside pool Lucas Valley Rd. X Las Gallinas Rd. W. of traffic lights; vernal pools nr. Five Brooks; on Pt. Reyes Station mesa; Hicks Valley, nr. the Schoolhouse. Blooms in early March, 467A, 484A, 484D, 485D, and 467E.
110. *Rhynchospora californica*, Ca. beaked-rush, 1B.1, RED, 3-3-3, perennial herb, freshwater marshes. Pt. Reyes. Not seen recently, though looked-for at the recorded location of the junction of road to the Lighthouse and Pierce Pt. Road, 485C.

111. *Ribes victoris*, Victor's gooseberry, 4.3, RED, 1-1-3, deciduous shrub, shady areas, supposedly on Mt. Tamalpais, at Colier Spring area, senescent plants seen there were referable to *R. menziesii*. W. of Big Rock, one plant only remained, until removed by highway maintenance. Perhaps it was just a hybrid of *R. menziesii* and *R. californica*, and that was a site from which a Cal. Acad. Herb. spmn. was collected, blooms March, 484C.
112. *Sagittaria sanfordii*, Sanford's arrowhead, 1B.2, GPS 38.08522 -122.75308, a large population discovered by Todd Plummer, many plants were flowering in an inlet, west side of Nicasio Reservoir, July, 2014. 485D
113. *Sidalcea calycosa* ssp. *rhizomata*, Pt. Reyes checkerbloom, 1B.2, RED, 2-2-3, robust, fleshy perennial herb, of coastal freshwater marshes. In Marin on Pt. Reyes ONLY, common there, very different from the vernal pool plant *S. c.* ssp. *calycosa*. Flowers May -Aug. 485B, 485C, other quads sites are suspect I.D. problems. We DO have annual ssp. *calycosa* in inland Marin. Also that plant is different enough from ssp. *calycosa*, (it's a slender vernal wetland annual) to be a full species.
114. *Sidalcea hickmanii* ssp. *viridis*, Marin checkerbloom, 1B.3, RED, 3-1-3, perennial herb, serpentine chaparral, San Geronimo Ridge - Carson Ridge, Plants not seen in many years though often looked- for, could be a fire-follower.467B. The Pt. Reyes record is a misidentification of a local round-leaved form of *S. malviflora* ssp. *malviflora* (or ssp. *rostrata*) common in outer Pt. Reyes grasslands.
115. *Sidalcea malviflora* ssp. *purpurea*, purple-stemmed checkerbloom, 1B.2, RED, 2-2-3, perennial herb. C.N.P.S. suspects the plant's occurrence in Marin was near Shell Beach, Pt. Reyes, but it has not been seen there by anyone in Marin Chapter, I looked for it in 2002 and 2004. A doubtful ssp. confused with ssp. *malviflora* in my opinion.
116. *Stebbinsoseris decipiens*, Santa Cruz microseris, 1B.2, RED, 2-2-3, annual herb, coastal, usually serpentine grassland, Mt. Tamalpais, Rocky Point area roadside pop. was extirpated by Caltrans. Perhaps still on San Quentin Peninsula after road-cut work, also, possibly on Pt. Reyes, Palomarin Trail nr. the rocky canyon or at China Camp. Plants can be confused with *S. heterocarpa* and *Uropappus lindleyi*, .467A, 467B.
117. *Stellaria littoralis*, beach starwort, 4.2, RED, 1-2-3, perennial herb of not beaches but moist brushy coastal lowlands. Pt. Reyes N. and S. many sites, blooms May-Aug., 485B, 485C.
118. *Streptanthus anomalus* Mt. Burdell jewelflower, discovered by Doreen Smith, May 2012, S.E. Mt. Burdell on a serpentinite hill. It may be the same as a sp. on NE Mt. Burdell, discovered by Aaron Arthur 2011.
119. *Streptanthus batrachopus*, Tamalpais jewelflower, 1B.3, RED, 3-1-3, annual herb, serpentine chaparral, in bare openings Mt. Tamalpais, high serpentine ridges on rocky balds, Simmons trail, North side trail found on Carson and San Geronimo Ridge (Gary Giacomini Open Space preserve). Flowers in May.467A, 467B, 484C.
120. *Streptanthus glandulosus* ssp. *niger*, Tiburon jewelflower, 1B.1, RED, 3-3-3, annual herb, pop. size varies greatly from year-to-year, the plant occurs at tip of Tiburon peninsula only, in serpentine grassland on well-drained slopes, it likes disturbance, along fire-road, Old St. Hilary's, Harroman Martha/Preserve, along Vistazo W. Fire Road, and Middle Ridge of Tiburon Highlands Preserve (Avenida Miraflores / Gilmartin). Flowers in May, 466B.
121. *Streptanthus glandulosus* ssp. *pulchellus*, Mt. Tamalpais jewelflower, 1B.2, RED, 3-2-3, annual herb of serpentine barrens Mt. Tamalpais and Pam's Blue Ridge. Fine spmn. on the Rock Spring serpentine, Old Stage Rd above Bootjack; W. of Alpine Lake Dam where it occurs on basalt-greenstone rocks. The Big Rock Ridge "record" (maybe a purple *S. g.* ssp. *secundus*, UC747405) was rediscovered in 2005 at the end of Fairway Dr. north side Novato), blooms April, May, 467A, 467B. The Nicasio Highlands plant are different but have been put into this ssp. for now.

123. *Symphytotrichum lentum* Suisun marsh aster, 1B.2, perennial, RED, 2-2-3, rhizomatous perennial herb from permanently marshy soils on edge of permanent lake. The only known Marin location is on S. shore of Chileno Laguna and does not intergrade there with *Symphytotrichum chilense*. It has a different habitat i.e. permanent lakeshore and looks quite different in leaf, flower and fruit. Blooms in Aug.- Oct. 485A, J. Reveal noted plants first in the 1970's. His voucher is in Cal. Acad. Herbarium.

124. *Thamnomia vermicularis*, white worm lichen, Elephant Rocks, by a boulder S of the ranch entrance road.

125. *Toxicoscordion fontanum*, marsh zigadenus, 4.2, RED, 1-2-3, perennial herb of moist serpentine areas, Mt. Tamalpais, in most of the wet serpentine-influenced sites. Tiburon Peninsula; San Geronimo Ridge; Carson Ridge: Azalea Hill; French Ranch Open Space, 466B, 467A, 467B, 484C.

126. *Trifolium amoenum*, two-fork clover, 1B.1, RED, 3-3-3, annual herb, coastal grassland, our form is genetically prostrate in habit, in contrast to the upright Sonoma County, plants. The site is N. Dillon Beach (Oceana Marin) bluffs, end of Kailua Way, was discovered late May, 1996 by P. Conners then of U.C. Davis. Bodega Lab. Threatened by a housing development and cliff erosion, blooms in early May, a restoration population has been started at outer Pt. Reyes. 485C, 502C.

127. *Triphysaria floribunda*, San Francisco owl's-clover, 1B.2, RED, 2-2-3, annual herb. Coastal grassland, outer Pt. Reyes, e.g. on Chimney Rock trail, also by Marshall Beach trail and on Pierce Point. Blooms April - May, 485A, 485B, 485C.

128. *Triquetrella californica*, coastal triquetrella, 1B, a moss.

129. *Usnea longissima*, Methuselah's beard, a lichen, by the Alpine Dam to Kent lake fire road, hanging on Douglas'-fir

Other spp. and information:

Legenere limosa (vernal pools/ seasonal wetlands) Brad Olson suggests Marin has suitable habitat.

Trifolium buckwestiorum (actually present in openings in forest, grassland of nearby Sonoma County growing near the Two-Rock Coastguard station). The occurrence reported on Ring Mountain N. slope was checked and found to be NOT THIS but another and common *Trifolium* sp.

The "Calflora.org" list of "Marin Rare Plants" had very many errors due to old records in the Consortium of Herbaria that are inaccurately labelled vis. modern taxonomy - or for other reasons such as wrong County input during transcription from the original label. vis. we once were credited with Mono Lake milkvetch !

Key to the original CNPS, 7.5 minute, USGS map quad. numbers

502 C, Valley Ford: 502D, Two Rock.

485A, Pt. Reyes N.E: 485B, Tomales : 485C, Drakes Bay: 485D, Inverness.

484A, Petaluma River: 484B, Petaluma: 484C, San Geronimo: 484D, Novato.

483C, Petaluma Point

467A, San Rafael: 467B, Bolinas: 467 D Point Bonita: 467E, Double Point:

466B, San Quentin. 466C, San Francisco North.