

Flora of Boggs Lake Lake County, California

Please note the addendum/correction [below](#)

Our chapter's plant lists are usually for locations in Placer or Nevada County. We are publishing a newly compiled list for Boggs Lake in Lake County because it is such a unique place, and because it was the site of one of our field trips.

Boggs Lake (elevation 2,800 ft.) is actually a giant vernal pool...probably the largest vernal pool in the state. The lake surface covers about 90 acres when it is full. There are no significant streams in or out of the lake. In wet years, some water may remain all year long. The lake lies in a volcanic depression lined with a very fine covering of volcanic ash which has compacted to become impervious. The layer of ash is only a few feet thick however, and the substrata beneath it contain numerous fissures into which the water can pour when the layer of ash is penetrated. Burrowing animals occasionally breach it, causing sudden drops in water level. On one occasion, the lake level dropped 18 inches overnight. There are a half-dozen rare & endangered plants in the 1B category found there, several of which are found nowhere else in the world. Several other plants are found there that are growing well out of their range.

In 1971, a subdivision and commercial campground was proposed for the site but CNPS mounted a campaign to preserve it. The campaign caused a rare plant reserve to be established in 1973 which is now managed by the Nature Conservancy. The reserve has grown from the original donation of 101 acres to more than 200 acres today.

The history of Bogg's Lake is a fascinating one but beyond the scope of a plant list. There are good articles on the lake in the October, 1974 and the July, 1988 issues of *Fremontia*.

To get there, take Hwy 29 West out of Lower Lake and turn left on Bottle Rock Road, which is a considerable distance from Lower Lake. Turn left again on Harrington Flat Road. The lake will become visible on the left-hand side a short distance from the turnoff. The entrance to the reserve and a small parking area can be found on the left side of the road shortly after the lake becomes visible.

Because the lake occurs at about the 2800 ft. elevation mark, the best time to visit is from mid to late June.

This list merges several lists of plants compiled for the lake and includes plants not found on those lists but seen on our field trip on June 24, 1995. It also revises taxonomy to conform to the new Jepson Manual.

Native species are indicated by the botanical name appearing in bold type. Established alien species are indicated in normal weight type.

ALISMATACEAE (Water Plantain Family)

- *Sagittaria cuneata* (Arrowhead)

AMARANTHACEAE (Amaranthus Family)

- *Amaranthus californica* (California Amaranth)

ANACARDIACEAE (Sumac Family)

- *Toxicodendron diversilobum* (Poison Oak)

APIACEAE (Carrot Family)

- *Daucus pusillus* (Rattlesnake Weed)
- *Eryngium aristulatum* (Coyote Thistle)
- *Osmorhiza chilensis* (Sweet Cicely)
- *Perideridia kelloggii* (Kellogg's Yampah, Wild Anise)
- *Sanicula bipinnatifida* (Purple Sanicle)
- *Scandix pecten-veneris* (Venus' Needle, Shepards Needle)
- *Torilis arvensis* (Japanese Hedge Parsley)

APOCYNACEAE (Dogbane Family)

- *Apocynum androsaemifolium* (Bitter Dogbane)

ASCLEPIADACEAE (Milkweed Family)

- *Asclepias fascicularis* (Milkweed)

ASTERACEAE (Sunflower Family)

- *Achillea millefolium* (Yarrow)
- *Achyrachaena mollis* (Blow Wives)
- *Adenocaulon bicolor* (Pathfinder, Trail Plant)
- *Agoseris grandiflora* (Mountain Dandelion)
- *Agoseris heterophylla* (Woodland Agoseris)
- *Artemisia douglasiana* (Mugwort)
- *Calycadenia fremontii*
- *Centaurea melitensis* (Tocalote)
- *Cirsium occidentale v. occidentale* (Western Thistle)
- *Cirsium remotifolium* (Fringebract Thistle)
- *Eriophyllum lanatum* (Woolly Sunflower)
- *Filago gallica* (Fluffweed)
- *Gnaphalium palustre* (Lowland Cudweed)
- *Hemizonia congesta ssp. luzulifolia* (White Hayfield Tarweed)
- *Hieracium albiflorum* (White Hawkweed)
- *Hypochaeris radicata* (Rough Cat's Ear)
- *Lactuca serriola* (Prickly Lettuce)
- *Lagophylla dichotoma* (Hareleaf)
- *Lasthenia californica* (Gold Fields)
- *Lasthenia glabrata* (Smooth Lasthenia)
- *Lessingia ramulosa* (Sonoma Lessingia)
- *Madia exigua* (Threadstem Madia, Pygmy Madia)
- *Micropus californicus* (Slender Cottonweed)
- *Microseris douglasii* (Douglas Microseris)
- *Psilocarphus brevissimus* (Woolly Marbles, Woolly Heads)
- *Psilocarphus oregonus* (Oregon Woolly Heads)
- *Rigiopappus leptocladus*
- *Solidago canadensis ssp. elongata* (Canada Goldenrod)
- *Wyethia angustifolia* (Narrow-leaf Mule Ears)
- *Wyethia sp?* (Mule Ears)

BORAGINACEAE (Borage Family)

- *Pectocarya pusilla* (Little Pectocarya)
- *Plagiobothrys stipitatus* (Valley Popcorn Flower)
- *Plagiobothrys undulatus* (Southern Popcorn Flower)

BRASSICACEAE (Mustard Family)

- *Athysanus pusillus* (Dwarf Athysanus)
- *Cardamine oligosperma*
- *Draba verna* (Whitlow Grass)
- *Lepidium nitidum* (Common Peppergrass)
- *Rorippa curvisiliqua* (Yellow Cress)

CABOMBACEAE (Watershield Family)

- *Brasenia schreberi* (Watershield)

CALLITRICHACEAE (Water Starwort Family)

- *Callitriche hermaphroditica* (Hermaphroditic Water Starwort)
- *Callitriche marginata* (Water Starwort)
- *Callitriche verna* (Vernal Water Starwort)

CAMPANULACEAE (Bellflower Family)

- *Downingia bella*
- *Downingia bicornuta* (Two-horned Downingia)
- *Downingia cuspidata* (Toothed Downingia)
- *Downingia pulchella* (Valley Downingia)
- *Githopsis specularioides* (Common Blue Cup)
- *Heterocodon rariflorum* (Heterocodon)
- *Legenere limosa*
- *Nemacladus capillaris* (Common Nemacladus)

CAPRIFOLIACEAE (Honeysuckle Family)

- *Lonicera interrupta* (Yellow Honeysuckle)
- *Symphoricarpos mollis* (Creeping Snowberry, Trip Vine)

CARYOPHYLLACEAE (Pink Family)

- *Cerastium glomeratum* (Mouse-ear Chickweed)
- *Minuartia californica* (California Sandwort)
- *Minuartia douglasii* (Douglas Sandwort)
- *Silene californica* (Indian Pink, Catchfly)
- *Stellaria nitens* (Shining Chickweed)

CONVOLVULACEAE (Morning Glory Family)

- *Calystegia malacophylla ssp. pedicellata* (Hairy Morning Glory)
- *Calystegia subcaulis* (Hill Morning Glory)

CORNACEAE (Dogwood Family)

- *Cornus nuttallii* (Mountain Dogwood)

CRASSULACEAE (Stonecrop Family)

- *Crassula aquatica* (Pygmy Weed)

CUSCUTACEAE (Dodder Family)

- *Cuscuta howelliana* (Bogg's Lake Dodder)

CYPERACEAE (Sedge Family)

- *Cyperus squarrosus* (Awned Nutsedge)
- *Eleocharis acicularis v. bella* (Needle Spike Rush)
- *Eleocharis macrostachya* (Common Spike Rush)
- *Eleocharis obtusa* (Blunt Spike Rush)
- *Scirpus acutus* (Common Tule)

DRYOPTERIDACEAE (Wood Fern Family)

- *Polystichum munitum* (Sword Fern)

ELATINACEAE (Waterwort)

- *Elatine brachysperma*
- *Elatine californica*
- *Elatine heterandra*

ERICACEAE (Heath Family)

- *Arbutus menziesii* (Madrone)
- *Arctostaphylos sp?* ((Green) Manzanita)
- *Arctostaphylos sp?* ((Gray) Manzanita)
- *Chimaphila menziesii* (Little Prince's Pine,)

EUPHORBIACEAE (Spurge Family)

- *Eremocarpus setigerus* (Turkey Mullein, Doveweed)

FABACEAE (Pea Family)

- *Astragalus gambelianus* (Gambel's Dwarf Locoweed)
- *Lotus crassifolius* (Buck Lotus)
- *Lotus hamatus*
- *Lotus humistratus* (Hill Lotus, Colchita)
- *Lotus micranthus* (Hill Lotus)
- *Lotus purshianus* (Spanish Lotus)
- *Lupinus albifrons* (Bush Lupine)
- *Lupinus bicolor* (Dwarf Lupine)
- *Lupinus latifolia ssp. latifolia* (Woodland Lupine)
- *Melilotus albus* (White Sweet Clover)
- *Rupertia physodes* (Scurf Pea)
- *Trifolium albopurpureum v. dichotomum* (Branched Indian Clover)
- *Trifolium ciliolatum* (Tree Clover)
- *Trifolium depauperatum* (Balloon Clover, Cowbag Clover)
- *Trifolium microcephalum* (Maiden Clover)
- *Trifolium microdon* (Valparaiso Clover)
- *Trifolium oliganthum* (Fewflower Clover)
- *Trifolium trichocalyx* ((?? mis-identified?) Monterey Clover)

- *Trifolium wildenovii* (Tomcat Clover)

FAGACEAE (Beech Family)

- *Quercus chrysolepis* (Canyon Live Oak, Maul Oak)
- *Quercus kelloggii* (California Black Oak)

GENTIANACEAE (Gentian Family)

- *Centaurium davyi* (Centaury)

GERANIACEAE (Geranium Family)

- *Erodium cicutarium* (Redstem Filaree)

HALORAGACEAE (Water Milfoil Family)

- *Myriophyllum hippurioides* (Western Milfoil)

HEPATICAE (Liverworts)

- *Porella platyphylla* (Liverwort)

HYDROPHYLLACEAE (Waterleaf Family)

- *Nemophila maculata* (Fivespot)
- *Nemophila menziesii* (Baby Blue-eyes)

IRIDACEAE (Iris Family)

- *Iris douglasiana* (Douglas Iris)

Note: this ID may be incorrect--Steven Ayala writes (March 1999):

One identification on the list bothers me though - Iris douglasiana (family Iridaceae) is a maritime, coastal species...the only way it could possibly be found around Boggs Lake would be if one of the local families bought it from some nursery and planted it there.

Two iris species are found on Harrington Flat road though: Iris macrosiphon (small, usually some shade of lavender, petals separate immediately at top of perianth tube) and Iris fernaldii (yellow, petals form a trumpet-like funnel above end of perianth tube before separating). The two interbreed freely where their ranges overlap, so the identity of a specific plant might well be Iris fernaldii X macrosiphon.

- *Sisyrinchium bellum* (Blue-eyed Grass)

ISOETACEAE (Quillwort Family)

- *Isoetes howellii* (Howell's Quillwort)

JUNCACEAE (Rush Family)

- *Juncus balticus* (Baltic Rush)
- *Juncus bufonius* (Toad Rush)
- *Juncus nevadensis*
- *Juncus orthophyllus*

JUNCAGINACEAE (Arrow Grass Family)

- *Lilaea scilloides* (Flowering Quillwort)

LAMIACEAE (Mint Family)

- *Monardella odoratissima ssp. pallida* (Coyote Mint)
- *Pogogyne serpylloides* (Thyme-like Pogogyne)
- *Stachys ajugoides* (Hedge Nettle)

LAURACEAE (Laurel Family)

- *Umbellaria californica* (California Bay, Calif. Laurel)

LENTIBULARICEAE (Bladderwort Family)

- *Utricularia gibba* (Swollenspur Bladderwort)
- *Utricularia vulgaris* (Common Bladderwort)

LILIACEAE (Lily Family)

- *Allium amplexans* (Paper Onion)
- *Allium lacunosum* (Wild Onion)
- *Brodiaea coronaria* (Harvest Brodiaea)
- *Calochortus amabilis* (Diogenes Lantern)
- *Calochortus superbus* (Superb Mariposa Lily)
- *Chlorogalum pomeridum* (Soap Plant)
- *Dichelostemma congestum* (Ookow)
- *Disporum hookeri* (Fairy Bells)
- *Smilacina stellata* (False Solomon's Seal)
- *Triteleia hyacinthina* (White Brodiaea)
- *Triteleia laxa* (Ithuriel's Spear, Grassnut)

LINACEAE (Flax Family)

- *Hesperolinon micranthum* (Smallflower Western Flax)

LYTHRACEAE (Loosestrife Family)

- *Lythrum californicum* (California Loosestrife)
- *Lythrum hyssopifolium* (Hyssop Loosestrife)
- *Rotala ramosior* (Tooth-cup)

MARSILEACEAE (Water Clover Fern Family)

- *Marsilea vestita* (Water Clover, Hairy Pepperwort)
- *Pilularia americana* (Pillwort)

MUSCII (Mosses)

- *Dendroalsia abietina*

ONAGRACEAE (Evening Primrose Family)

- *Clarkia affinis* (Small Clarkia)
- *Clarkia purpurea* (Winecup Clarkia)
- *Clarkia rhomboidea* (Tongue Clarkia)
- *Epilobium brachycarpon* (Panicked Willow Herb)
- *Epilobium cleistogama* (Self-fertilizing Willow Herb)
- *Epilobium glaberrimum* (Smoothstem Fireweed)
- *Epilobium minutum* (Minute Willow Herb)
- *Ludwigia palustris* (Water Primrose)

ORCHIDACEAE (Orchid Family)

- *Piperia elegans* (Elegant Piperia Orchid)

PINACEAE (Pine Family)

- *Pinus attenuata* (Knobcone Pine)
- *Pinus ponderosa* (Ponderosa Pine)
- *Pseudotsuga menziesii* (Douglas Fir)

PLANTAGINACEAE (Plantain Family)

- *Plantago erecta* (California Plantain)
- *Plantago lanceolata* (English Plantain)

POACEAE (Grass Family)

- *Aira caryophylla* (Silver European Hairgrass)
- *Aira elegantissima* (Elegant European Hairgrass)
- *Alopecurus geniculatus* (Water Foxtail)
- *Alopecurus saccatus* (Pacific Foxtail)
- *Briza minor* (Quaking Grass)
- *Bromus carinatus* (California Brome)
- *Bromus diandrus* (Ripgut Grass)
- *Bromus hordeaceus* (Soft Cheatgrass)
- *Bromus madritensis* (Common Foxtail Grass)

- *Bromus maartensis* ssp. *rupeus* (Foxtail Grass)
- *Bromus tectorum* (Cheat Grass, Downy Brome)
- ***Danthonia californica*** (California Oatgrass)
- ***Deschampsia danthonoides*** (Annual Hairgrass)
- ***Deschampsia elongata*** (Slender Hairgrass)
- ***Elymus glaucus*** (Blue Wildrye)
- ***Elymus multisetus*** (Big Squirreltail)
- ***Festuca californica*** (California Fescue)
- *Gastridium ventricosum* (Nit Grass)
- ***Glyceria elata*** (Fowl Manna Grass)
- *Hainardia cylindrica* (Thintail Grass)
- ***Hordeum jubatum*** (Foxtail Barley)
- ***Orcuttia tenuis*** (Slender Orcutt Grass)
- *Poa bulbosa* (Bulbous Bluegrass)
- ***Poa howellii*** (Howell's Bluegrass)
- *Polypogon maritimus* (Mediterranean Beardgrass)
- ***Scribneria bolanderi*** (Scribneria)
- *Taeniatherum caput-medusae* (Medusa Head Grass)
- ***Vulpia microstachys* v. *microstachys***
- ***Vulpia microstachys* v. *pauciflora*** (Common Hairy-leaf Fescue)
- *Vulpia myuros* v. *myuros* (Rattail Fescue)
- *Vulpia myuros* v. *hirsuta* (Foxtail Fescue)

POLEMONIACEAE (Phox Family)

- *Collomia heterophylla* (Varied-leaf Collomia)
- ***Linanthus bolanderi*** (Bolander's Linanthus)
- ***Linanthus ciliatus*** (Whisker Brush)
- ***Navarretia divaricata* ssp. *vividior*** (Mountain Navarretia)
- ***Navarretia intertexta*** (Needle Navarretia)
- ***Navarretia mellita*** (Honeyscent Navarretia)
- ***Navarretia leucocephala* v. *pauciflora*** (Few-flowered Navarretia)
- ***Navarretia leucocephala* v. *pileantha*** (Many-flowered Navarretia)
- ***Navarretia subuligera*** (Awl-leaved Navarretia)
- ***Navarretia tagetina*** (Marigold Navarretia)

POLYGONACEAE (Buckwheat Family)

- ***Eriogonum* sp?** (Wild Buckwheat)
- *Polygonum arenastrum* (Common Knotweed, Doorweed)
- ***Polygonum californicum*** (California Knotweed)
- ***Polygonum amphibium* v. *emersum*** (Kelp Smartweed)
- ***Polygonum polygaloides* ssp. *kelloggii***
- ***Polygonum parryi***
- *Polygonum* sp? (Knotweed)
- *Rumex acetosella* (Sheep Sorrel)
- *Rumex crispus* (Curly Dock)
- ***Rumex salicifolius* v. *transitorius*** (Willow Dock)

PORTULACACEAE (Purslane Family)

- ***Calandrinia ciliata*** (Red Maids)
- ***Claytonia exigua* ssp. *exigua*** (Common Claytonia)
- ***Claytonia perfoliata*** (Miner's Lettuce)
- ***Montia linearis*** (Linear-leaf Montia)
- *Portulaca oleracea* (Common Purslane)

POTAMOGETONACEAE (Pondweed Family)

- ***Potamogeton diversifolius*** (Diverse-Leaved Pondweed)
- ***Potamogeton foliosus*** (Leafy Pondweed)

PTERIDACEAE (Brake Fern Family)

- ***Pteridium aquilinum* v. *pubescens*** (Bracken Fern)

RANUNCULACEAE (Buttercup Family)

- ***Aquilegia formosa*** (Red Columbine)
- ***Myosurus minimus*** (Mousetail)
- ***Ranunculus flammula*** (Crowfoot, Spearwort)
- ***Ranunculus hebecarpus*** (Downy Buttercup)
- ***Ranunculus lobbii*** (Lobb's Aquatic Buttercup)
- ***Ranunculus occidentalis*** (Western Buttercup)

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RHAMNACEAE (Buckthorn Family)

- *Ceanothus integerrimus* (Deer Brush)
- *Ceanothus prostratus* (Mahala Mat, Squaw Mat)
- *Rhamnus californica* (California Coffeeberry)

ROSACEAE (Rose Family)

- *Cercocarpus betuloides* (Hardtack, Mountain Mahogany)
- *Heteromeles arbutifolia* (Toyon, Christmas Berry)
- *Holodiscus discolor* (Creambush, Ocean Spray)
- *Horkelia bolanderi* (Bolander's Horkelia)
- *Rosa californica* (California Rose)
- *Rosa pinetorum* (Pine Rose)
- *Rubus discolor* (Himalayan Berry)

RUBIACEAE (Madder Family)

- *Galium aparine* (Goose Grass)
- *Galium bolanderi* (Bolander's Bedstraw)
- *Galium californicum* (California Bedstraw)

SCROPHULARIACEAE (Figwort Family)

- *Castilleja attenuata* (Valley Tassels)
- *Castilleja campestris* (Field Owl's Clover)
- *Castilleja rubicunda ssp. lithospermoides* (Cream Sacs)
- *Collinsia parviflora* (Blue-eyed Mary)
- *Collinsia rattanii* (Sticky Blue-eyed Mary)
- *Collinsia sparsiflora*
- *Gratiola ebracteata* (Hedge Hyssop)
- *Gratiola heterosepala* (Bogg's Lake Hedge-hyssop)
- *Lindernia dubia v. anagallidea* (False Pimpernel)
- *Mimulus tricolor* (Three-colored Monkeyflower)
- *Pedicularis densiflora* (Indian Warrior)
- *Pentstemon heterophyllus ssp. purdyi* (Beard Tongue, Foothill Pents.)
- *Triphysaria eriantha* (Butter & Eggs, Johnny Tuck)
- *Verbascum thapsus* (Common Mullein)
- *Veronica peregrina* (Purslane Speedwell)

VALERIANACEAE (Valerian Family)

- *Plectritis ciliosa* (Long-spurred Plectritis)
- *Plectritis congesta* (Short-spurred Plectritis)

VERBENACEAE (Verbena Family)

- *Verbena lasiostachys* (Western Verbena)

VIOLACEAE (Violet Family)

- *Viola purpurea ssp. quercetorum* (Mountain Violet)