

February, 2020



The Bay Leaf

California Native Plant Society • East Bay Chapter
Alameda & Contra Costa Counties

www.ebcnps.org

www.nativeherenursery.org

MEMBERS' MEETING

A Farallon Floranal: The Ecology and Plants of the Farallon Islands

Speaker: Peter Pyle

Wednesday, February 26, 7:30 pm

Location: Garden Room, Orinda Public Library

The Farallon Islands, part of the City and County of San Francisco, is a National Wildlife Refuge located 27 miles west of the Golden Gate Bridge. Cold ocean currents and other environmental factors there lead to high ocean productivity and a thriving marine wildlife ecology. Biologists working for PRBO/Point Blue Conservation Science and the U.S. Fish and Wildlife Service have resided on Southeast Farallon Island every day since April 1968, studying all aspects of the island's environment and ecology. Peter Pyle spent over 2,100 nights at the island's biological station in 1980-2003, primarily focused on birds, marine mammals, and white sharks, but also dabbling in everything else including bats, dragonflies, salamanders, butterflies, crickets, mushrooms, and, yes, even the island's unique fog-whipped flora.

Peter's talk will briefly cover the ecology and conservation of the islands' marine vertebrates. He will then present a history of botanical investigation on the islands, his first successful attempt to key out a plant, and information on the approximately 45 each of indigenous and non-native species that have been recorded there. He will consider everything from the dominant and practically endemic "Farallon weed" (*Lasthenia maritima*) to pioneer scouts that have been recorded only once, to efforts at invasive species removal. He will also bring up for discussion the possible effects that the proposed eradication of invasive house mice may have on the islands' flora.

Peter Pyle has worked as an ornithologist and marine biologist throughout the Pacific. During the 1980s- 2000s much of his research was conducted on birds and white sharks at the Farallon Islands. He is now an identification specialist and consultant for the Greater Farallones National Marine Sanctuary's Beach Watch program. He is a Research Associate at both the California Academy of Sciences, San Francisco, and the B.P. Bishop Museum, Honolulu. To date

he has authored or co-authored over 180 papers in scientific journals and four books, and has described a new species of shearwater (*Puffinus bryani*) and named it after his grandfather, Edwin Bryan. Peter currently works as a staff biologist for the Institute for Bird Populations in Point Reyes Station.

East Bay CNPS members meetings are free of charge and open to everyone. This month's meeting takes place in the Garden Room of the Orinda Public Library at [26 Orinda Way, Orinda 94563](https://www.orindapubliclibrary.org/26-Orinda-Way-Orinda-94563), a few blocks from the Orinda BART station. The Garden Room is on the second floor of the building, accessible by stairs or an elevator. Email programs@ebcnps.org if you have questions.

Next Month's Program

Dr. Gordon Frankie: Why Should We Care About Native Bees?

March 25, 7:30 pm, Garden Room, Orinda Public Library



Peter Pyle

LETTER FROM THE CHAPTER PRESIDENT



Between rainy days in January I went on a walk near the Tilden Steam Train. The air was crisp and refreshing, the ground was muddy and slippery, and all around me there were signs of impending spring renewal. Bright green fronds of the polypody fern were growing out of last year's plant debris, swollen gooseberry buds were revealing traces of their colorful petals, fleshy soap plant bulb leaves were poking out of the ground, and drab erect multi-branched poison oaks were lining parts of the trail. There was a small patch of color next to the poison oaks where the yellow buds of the

western leatherwood (*Dirca occidentalis*) were opening along its bare stems. This plant flowers before the leaves open and it is endemic to the moist shaded slopes of the SF Bay Area.

Hopefully plants will get the rain they need to have a marvelous blooming season this Spring. Get outside soon to visit our amazing and incredibly diverse parks.

Judy Schwartz



Top: Mount Diablo in the distance. Lower left: Soap plant leaves coming out. Lower right: Western leatherwood flowers and buds. Photos by Judy Schwartz.

CONSERVATION REPORT: ANALYST POSITION POSTED

The Chapter's Conservation Committee is already in full gear. We're re-engaging on the many projects we outlined in the [2019 Conservation summary](#) in December's *Bay Leaf*.

Hopefully, you caught the Chapter newlist email posting about the job announcement for the [East Bay Conservation Analyst](#) position.

The position works closely with the Chapter's Conservation Committee volunteers to protect and steward the East Bay's rich and rare native flora in the face of proposed development and public land management projects in Contra Costa and Alameda counties.

The Conservation Analyst analyzes the impacts of new development and land management projects on rare plants and communities of native plants, collaborates with local environmental and community organizations, helps organize

campaigns to protect native flora, and communicates updates and ways to get involved to members and the larger community. It is managed by the East Bay Chapter, comes with full benefits, and is under the umbrella of CNPS policies. The position is part-time at 3 days a week.

Over this last year the Board took a close look at the position in light of the rapidly increasing housing costs in the Bay Area and was able to increase the position salary rate thanks to generous donations from Chapter members.

If you know of anyone who might be interested in applying, please let them know about the position job description on the [CNPS website](#). The position is open until filled.

We look forward to the new year, and thank you for your efforts and support of native plant conservation in the Alameda and Contra Costa Counties.

Jim Hanson, Conservation Committee Chair

CONSERVATION ANALYST FUND REPORT

We are pleased to report that we have reached half-way to our goal of \$45,000 to support the Conservation Committee and its important work. The fund supports the volunteer committee as they work hard to protect and preserve our local native plants. We have also received generous contributions to support chapter activities such as program room rental, website fees, *Bay Leaf* printed newsletter, P.O. box rental and so on.

A special thanks to Ivy Poisson for her excellent graphic design work on the appeal and to Jim Hanson, Barbara Leitner, Sue Rosenthal, Judy Schwartz, for content and editing, and all the loyal members at the mailing party.

The following members and friends have contributed to the Conservation Fund and/or to chapter support. We appreciate your contributions very much--thank you!

Mary and David Alderson, Elly Bade, Jessica Bade, Ronald Barklow and Viola Salma-Barklow, Laura Beckett, Nancy Beckman, Carol Bieri, David Bigham and Howard Arendtson, Theresa Blair, Peter Boffey, Richard Bogaert, Katharyn Boyer, William Brodovich, Zelda Bronstein, Ann Brown, Albert Chung, Jean Circiello, Carol and Robert Coon, Nancy Crane, Margot Cunningham, Logan Daniel, Charli and John Danielsen, Jessica Davenport, Sally de Becker, Sheila Dickie, Tri Do and George Ayala, Joyce Dow, Marsha Feinland, Arleen Feng, Euan Fernsler, Theo Fitanides, Margaret Flaherty, Susan Ford, Dorothy Frantz, Jane Freeman, Christine Gaber, Kathleen Greenstein, Tom Hagler, Jim Hanson, Claudia and Scott Hein, Erika Helene, Randy Huey, Lesley and Bill Hunt, Robin Hunter, Toris Jaeger, Ashok Jethanandani and Arvind

Kumar, Dwight Johnson, Jerilyn Johnson, Patricia Kale, Ed Katibah, Jane and Tom Kelly, John Kenny, Kenny-Rosenburg Family Trust, Lola Kent, Marian Kirch and Cindy Siegel, Gudrun Kleist, Christopher Kroll, Jennifer Kurz, Barbara and Phil Leitner, Ed Leong, Sally Levinson, Arthur Levy, Beverly Libaire, David and Evelyne Lennette, Vera Lis, Patricia Litton and Peter Ralston, David Loeb, Barbara Lyss, Cinda MacKinnon, Don Mahoney, David Margolies, Cynthia McAfee, Jean McKenzie, Shirley McPheeters, Nicholas and Liza Mealy, Jon Merkle, Louise Miller, Kim Milstead, Brent Mishler, Clytia Montllor, Lech Naumovich, Charles and Anne Olsen, Jana Olson, Christine Gaber, Elizabeth O'Shea, Carol Pacht, Ruth Ann and Kirsten Pearsons, Ellen Peterson, Genevieve Prlain, Stefanie Pruegel, Linda Ramus, Margaret Ricker, James Ringland and Karen Ivy, Krehe and Katherine S. Ritter, Steve Rood, Margit and Richard Roos-Collins, Sue Rosenthal, Schneider Foundation-Dick Schneider, Carol Schneider, Frances Shaw, Michael Sierchio, Shirleymae and Igor Skaredoff, Patricia Smith, Lionel Sorenson, Robert Sorenson, Penny Spear, Robert Strouse, Aaron Sunshine, Mary Jo Sutton, Sylvia Sykora, Chris Tarp, Delia and John Taylor, Britt Thorsnes, Ken -Ichi Ueda, Laurie Umeh, John Underhill, Victoria Wake, Jeanne Walpole, Julia Wenk, Karen Wetherell, Cornelia White, Kitty Whiteside, Susan Wickham, Jeff Wilson, Christina Wistrom, Elaine Worthington-Jackson.

Piedmont Garden Club, Berkeley Garden Club, Hillside Gardeners of Montclair, San Leandro Garden Club.

Delia Taylor

NATIVE HERE NURSERY

Discover Native Ground Covers

Join us on Saturday, February 29, at 11:00 am at [Native Here Nursery](#) to learn about a variety of native ground covers from landscape architect Kimberly Moses. Over 200 species of other native plants will also be available for viewing and purchase. Nursery hours are 10 am-2 pm on Saturdays.

California Milkweed at NHN

Native Here Nursery has grown the early-blooming California milkweed (*Asclepias californica*) on and off for many years. With the increased interest in saving monarchs, we now make a point of growing a supply every year. However, they are popular and our current supply is gone. Here's a photo of California milkweed seeds growing now that will be available in time for this fall's planting season.



The seeds germinate in an interesting way: The radicle emerges from the seed, pokes into the soil, and becomes a root. Then it pushes the seed cover along until it has the strength to raise it. As this happens, the cover dries and falls off and the cotyledons (first leaves) emerge. The photo above shows a seed in each stage. *Ptelea crenulata* (hop bush) seeds also germinate like this.

New Plant Cards Include Pollinator Information

Janice Bray has been updating and improving our plant cards at Native Here over the past several months. She has made a number of technical changes to keep them scientifically current, but what will be most obvious to customers is the new icons at the bottom which provide a standard place for sun and water requirements, flower color, and a new feature – which pollinators use the plant. See the picture on the next page.

Soil Pile Rebuild at Native Here

When the state phytophthora committee approached CNPS chapter

nurseries a couple of years ago with the offer of state grant money to improve practices at their nurseries, we determined that our greatest risks were from rainfall splash and potentially infested soil, so improvements in these areas were the focus and objective of our grant proposal. We have made considerable progress with our first projects and are now turning our attention to our next project: rebuilding our soil pile and volunteer work area to meet the new standards.

Our new project will separate “clean” and “dirty” zones in the soil pile and volunteer work area and improve the work flow. The work will occur in three phases: soil pile improvements, changes to the potting area layout, and then back to the soil pile to integrate it into the new volunteer area layout.

The first phase is complete. We had to rip out a lot of old material where the bank drops off, put in new supports, fill the area with soil and gravel, tamp it down and level it, and lay a new floor that will allow rainwater to drain away. We have tested it out – we had a new soil delivery and the only problem was that we didn't tell the truck driver to stop in exactly the right place. Next time we'll know.

The second phase will start in a week or two. It will cause some disruption for the potters but we are working with them to minimize it. We do not expect any impact on the customer experience.

Per Brashers is heading up this project. He answered our request for someone to do a non-plant inventory at NHN last summer and stayed on to help with whatever needed doing. He's an electrical engineer with a wide variety of professional and practical skills – everything from technical calculations to programming devices to a wealth of practical knowledge about what's available in the marketplace and what it can be used for, and how to build what we need. It would be very difficult for us to do this project without him.

In other news, the nursery is having a good sales month and we have lots of healthy plants coming along. We always welcome volunteers and right now we could use help with putting newly-potted plants away, grooming plants on the sales floor, and getting out the small weeds around our plant benches. Drop by for an hour or a morning, or come to shop and stay awhile to help.

Lesley Hunt

Nursery Committee



In this late December photo of the rebuilt soil pile area you can see the almost-finished new floor. The metal wall in the background will have a storage cabinet on the other side for various potting supplies.

SAMPLE NATIVE HERE NURSERY ID CARD

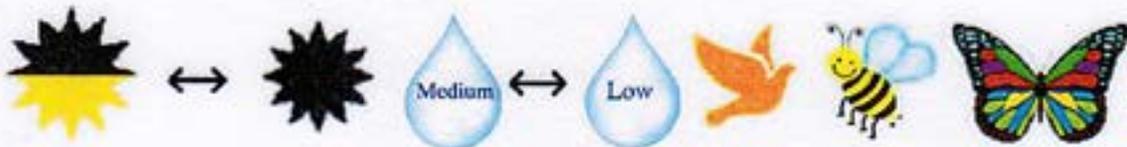


Symphoricarpos albus var. laevigatus

Snowberry

Caprifoliaceae

- Deciduous shrub with many branches
- Grows on shady banks and near streams
- Can grow from 2 to 7 feet tall
- Pink flowers appear May to July
- Showy white berries in late summer and fall
- Subject to powdery mildew if given overhead water
- Thrives with ground watering
- Shade to partial sun
- Found in Molate, Bay hills, Diablo, Hamilton and Livermore sections



SKYLINE GARDENS

Dear Skyliners,

Thanks for a great time celebrating the New Year: botanizing, planting, a round of buckeye bocce, and snacks. By my count, we got about 150 plants in the ground; 7 species. Special thanks to Esme for the amazing snacks!

Here's a bit more on those hillside suncups that we saw at Siesta Nose, the little seedlings, that is. If anyone got a good photo of them, please send it along. The botanical name is *Tetrapteron gracilliflorum*, which means Tetra (four)+ptera (wing) plus gracil (slender)+flora (flower) = "four-winged slender-flower". Got that??

On the right is a photo from Calphoto, of one plant in bloom. Little charmers, aren't they? This whole plant, from leaf tip to tip, would be about 2 to 3 inches, so the flower is smaller than a dime. If you look closely, you can see that these flowers are like others of the evening primrose family, Onagraceae, which also includes *Clarkia* and other beauties. There is also a screenshot showing where they grow in California (blue dots).

According to Calflora, Jepson himself found them on the slopes of Grizzly Peak in 1931, Brewer found them at Kirker Pass (in the 1860's presumably). I have seen them near the summit of Mt. Diablo, on south-facing scree of the Devils Elbow trail.

Glen Schneider

PS Sunny weather coming up; I'll be out spraying as many days as possible, as well as regular Wednesdays at 2 and Sundays at 9:30. Please let me know any free days you might have and we'll work it out.

FIELD TRIP

Sunday, February 9 at 1:00 pm Redwood & Roberts Regional Park (rain date, Saturday, February 15 at 1:00 pm)

Join Janet Gawthrop outside the entrance to the Chabot Space and Science Center, where we will start with a visit to the pallid manzanitas west of the parking lot before proceeding into the 2d-growth redwood forest and other plant communities on West Ridge trail. This north-south transect of the park stays in or near the sandstone derived soil beneath the redwood forest. A boot pick is always a good idea, but you will not be tracking all the clay in Oakland at the end of this hike. Bring

ACCESS TO THE UNUSUAL PLANTS DATABASE

In the past several months there have been problems with registering to access the database and the ability to add observations.

Both of these problems have now been corrected, and the registration process has been automated. Upon registration, one will now be able to access the database immediately and also be able to add observations.



your plant key if you want, and we can hope for manzanitas and western leatherwood in flower. If you have questions, e-mail janetgawthrop47@gmail.com

Directions: From the Highway 13 exit at Joaquin Miller Road follow it to the intersection with Skyline at the end of the road. Turn left (uphill) onto Skyline and follow it to the Chabot Observatory lot. For public transit users, take AC Transit #339 bus uphill to the last stop at Chabot Observatory. If you are using your bicycle to the bus there will be places to lock up your bike outside the observatory.

In addition, people who are already registered can now add observations to the database, and a separate registration is no longer required. Observations do not go directly into the database, but are reviewed and approved first, so any identification questions or other problems can be dealt with then if necessary.

Dianne Lake, Unusual Plants Coordinator
diannelake@yahoo.com

TAKE TO THE HILLS

Take To The Hills (TTTH) began work to repair Berkeley's long neglected Derby Canyon trail in 2015. The Derby Canyon trail begins at the top of Dwight Way and switchbacks to Upper Dwight Way at Panoramic. Back before the work began the only way to get down the hillside behind Clark Kerr Campus safely was to sit and scoot. Social trails in the UC Berkeley open space ran straight down the steep hillside creating erosion gullies and the inevitable ever widening trail.

The idea for fixing the trail originated with Berkeley local Jim Rosenau. Jim's mom lived on Panoramic during the disastrous fire of 1991 and evacuated by scrambling down the seriously rutted steep trail. Jim's original intention was to make the trail usable for the less sure footed by installing ninety steps up the worst two sections. In a lucky confluence of volunteerism, the work was done in partnership with Berkeley Path Wanderers' Association (BPWA). Once the first two sections were repaired it was clear that there were other trail safety issues that needed to be addressed. Repairs continued over the course of the following three winters with BPWA tools and know-how. The trail is now in a very walkable state with over 300 treads and new switchbacks making for a pleasant if somewhat aerobic stroll into the hills. If the hills are calling, wander up Derby Canyon trail. From there you can take a short neighborhood hike or connect through the East West Trail to the Skyline Trail and on down Siesta Valley all the way to Orinda.

The hillsides of Derby Canyon are primarily grassland dominated by non-native annual grasses with patches of coastal scrub transitioning to mixed evergreen woodland vegetation closer to the creek. On the open slopes, priority invasive plant problems included dense swathes of Italian thistle where the soil is deep and in steeper stretches with thinner soil, nightmarish stands of French broom.

Enter Francesca Verdier, a recently retired energetic soul involved in trail work with BPWA and also volunteering regularly with Glen Schneider on the Skyline Gardens project (www.skylinegardens.org). Francesca arrived in Derby Canyon with BPWA and worked on the paths until the siren call of the Italian thistle got her to jump off trail and unveil her thistle eradication super-power. Getting a handle on the thistle convinced Jim that invasive weed control could be done. That led Jim and Francesca to embark on a long term plan to restore floristic diversity to Derby Canyon. Using the Skyline Gardens model of preventing non-native seed set by clearing undesirables and burning off the seedlings with vinegar spray remarkable progress has been made. With the help of Glen, a census of native plants was done. Sixty native plant species were identified, many particular to just one small area. Vast areas of Derby Canyon had either no native species or only a few species. Soap root, naked-stem buckwheat, and California poppy managed to persist in spite of the overwhelming load of wild oats and associates.

TTTH is now working to improve the density and diversity of the native seed bank. The approach is to first establish natives along the trails, where they can be enjoyed by the trail users and add desirable native seed to the mix. This winter the goal is to plant more than 1,200 native plants that have been grown by Oaktown Native Plant Nursery and by volunteers Sarah Bade and Jana Olson. Regular planting and weeding days are Tuesday and Saturday mornings from 9 to noon. To lend a helping hand contact Jim Rosenau at (510) 845-0106 or go to <https://taketothehills.net/volunteer> where you will also find descriptions of the more common natives and non-natives in Derby Canyon.

Kristen Hopper with Francesca Verdier and Jim Rosenau



Left: Jim replacing broom with sagebrush and monkeyflower. Right: Francesca with sticky monkeyflowers.

UNUSUAL PLANT SURVEYS: A CALL FOR VOLUNTEERS

Once again the blooming season is upon us, and once again many of our unusual plants are in desperate need of monitoring. The goal of our Unusual Plants program is to revisit as many of these vulnerable populations as often as possible so we can track and ensure their health and well-being.

With over 400 of our unusual (locally rare) plants ranked "A" under our EBCNPS ranking system, and each having one to five current populations in the East Bay, it is impossible to get to all of them every year or even every few years. Thus, each year a Priority Survey list is compiled of the populations most in need of monitoring. This year, two lists have been compiled, one of the Top 25 Plants, and the other of the Top 20 Places with multiple populations.

Too many of our unusual plant populations have not been monitored since the mid-1990's and are now considered historic, or soon will be, if they are not surveyed and updated. If a population has not been reported in 25 years, it is designated as historic. Many of these populations may still exist, but just haven't been recorded recently, so we need to get as many eyes out there as we can.

Some of the sites with multiple populations that have not been surveyed since the mid-1990's or before are Los Mochos off of Mines Road south of Livermore, Man Ridge in the same area, Mission Peak Regional Preserve near Fremont, Los Vaqueros Reservoir, and Bald Ridge at Mt. Diablo. If anyone has recent data (2005 to present) for any of these sites, please contact me at diannelake@yahoo.com.

A meeting will be held in mid-February, date and place to be determined, to discuss monitoring priorities and work out the logistics. Survey teams will be organized to monitor different populations, or volunteers can sign up to monitor populations on their own. Please send me your email if you are interested in joining us and I will notify you when and where the meeting will take place.

Volunteers are needed to either do surveys themselves, or to form survey teams, to monitor several different populations this year.

Dianne Lake
Unusual Plants Coordinator
diannelake@yahoo.com

TOP 20 PLACES FOR MONITORING SURVEYS – 2020

Place	A Plants	Only One Population In East Bay	Only Two Populations In East Bay	Last Seen 1980 -95	Last Seen 1996 - 98	
Byron Area (Partial)	100	11		4	26	7
Los Vaqueros	98	2		1	76	0
Ohlone	78	3		6	13	6
Los Mochos	77	7		7	36	36
Black Diamond	71	1		2	8	1
Cedar Mountain	67	3		4	23	0
Corral Hollow (not including Tesla or Site 300)	66	4		2	3	0
Redwood	49	2		2	18	0
Briones, Deer, Horse Valleys	39	3		1	0	13
Tilden	38	5		2	4	5
Browns Island	37	0		2	13	0
Springtown	36	1		8	10	0
Lime Ridge	35	1		2	1	8
Niles Canyon	28	1		3	3	0
Bald Ridge, Mt. Diablo	26	0		0	22	1
Man Ridge	24	0		0	22	1
Sycamore Grove	23	0		1	14	6
Huckleberry	20	0		1	4	5
Dow Wetlands	18	0		0	13	3
Emeryville	14	2		2	4	0

TOP 25 UNUSUAL PLANTS TO BE MONITORED 2020

Species	Location	Habitat	Last date
<i>Atriplex serenana</i> var. <i>serenana</i>	1 - Black Diamond Regional Preserve: Area along trails from Star Mine to Oil Canyon	Alkali Areas, Coastal Bluff	July 21 1991
	2 - Patterson Pass: 2.7 mi W of Midway Rd		Aug 29 1992
<i>Berberis nervosa</i>	Tilden Rgnl Park: Upper end of W branch of Wildcat Creek, below Grizzly Peak, in bay forest, about 75 ft. S of fireroad to Youth Camp	Forest	May 11 2002
<i>Camissoniopsis cheiranthifolia</i> subsp. <i>cheiranthifolia</i>	Emeryville: Dune area of Radio Beach N of SF Bay Bridge toll plaza	Coastal Strand, Sand, Sandstone	May 23 1994
<i>Carex heteroneura</i>	Mission Peak: Headwaters of Agua Caliente creek, spring with water trough along Horse Heaven trail in SE corner of preserve	Forest, Grassland (Annual or Perennial), Rock, Tallus, Scree	April 24 1993
<i>Corallorhiza striata</i> (<i>C. maculata</i> forma <i>immaculata</i> is more common)	1 - Redwood Rgnl Park: Mill trail, about mid-trail, SE of Redwood Peak, in madrone forest, on NE-facing slope	Forest, Woodland	May 19 1994
	2 - Also 6 ID? sites - Chabot, Canyon, Huckleberry, Garin/Dry Creek, and Wildcat (wooded area N of bottom of Rifle Range road)		
<i>Eastwoodia elegans</i>	Corral Hollow: Little E of Site 300, in the flats, on right. Near County line	Miscellaneous	2005
<i>Euonymus occidentalis</i> var. <i>occidentalis</i>	Tilden Rgnl Park: Along Wildcat Creek below Brazilian building	Riparian	2001
<i>Gaultheria shallon</i>	Redwood Rgnl Park: Along E side of Roberts Ridge trail, 70 ft. S of SE end of upper parking lot behind Chabot Science Center. 73 plants	Forest, Redwood Forest	March 16 2003
	Also rumored at Joaquin Miller near Big Trees. Planted?		
<i>Grindelia stricta</i> var. <i>platyphylla</i> (<i>var. angustifolia</i> is more common)	Pt. Molate: Dry slopes of Portrero Hills, above shore of SF Bay, S of Castro Point, and just N of Richmond-San Rafael Bridge	Coastal Bluff, Sand, Sandstone	Apr 26 1959
<i>Idahoia scapigera</i>	Ohlone Rgnl Wilderness: Murietta Falls	Miscellaneous Wetlands	1997
<i>Kopsiopsis strobilacea</i>	1 - Briones Reservoir: SE side - from dam, walk ¼ mi counterclockwise on trail to bench in Monterey pine grove overlooking water; climb ridge to power tower; follow dirt road from tower app 75 yds. Specimens under oak 10 yds off road on right	Chaparral, Sand, Sandstone, Woodland	Dec 1991
	2 - Flicker Ridge: Several sites along road on ridge		Feb 11 2007
	3 - Sobrante Ridge Rgnl Park:		1990's
<i>Mirabilis laevis</i> var. <i>crassifolia</i>	Mission Peak Rgnl Prk: NW base of steep W facing slope, 2000 ft	Chaparral, Open Dry Slope, Dry Wash, Grassland (Annual or Perennial), Rock, Tallus, Scree, Sand, Sandstone, Woodland	April 24 1993
<i>Oxalis oregana</i>	1 - Dimond Park: Near Monterey St - top of switchbacks with scattered patches down to creek. (Trailhead is 250 ft SW of Golf Course entrance on Monterey St	Redwood Forest	March 21 2003
	2 - Oakland Hills: End of Jordan Rd		May 24 1959

TOP 25 UNUSUAL PLANTS TO BE MONITORED 2020 CONT.

	3 - Strawberry Canyon - ? (Reported)		1960 - 1985
<i>Phacelia suaveolens</i>	Mt. Diablo: Knobcone Point road between Black Hawk road and Balancing Rock, nearly opposite of picnic table. In very stony soil in old burn site	Burns, Chaparral, Forest	May 3 1999
<i>Puccinellia nutkaensis</i>	San Francisco Bay Wildlife Refuge: S extension of beach, edges of salicornia marsh		Jun 30 1991
<i>Romanzoffia californica</i>	Miller-Knox Rgnl Park: Rocky ledge on Marine View trail just past intersection with Crest trail	Coastal Bluff, Rock, Tallus, Scree	April 10 2002
<i>Salvia spathacea</i>	1 - Diablo Foothills Rgnl Park: Pine Canyon, few hundred yards above check dam, E-facing roadcut, 420 ft	Chaparral, Open Dry Slope, Scrub (Coastal or Interior), Woodland	April 30 2009
	2 - Mt. Diablo: Above Juniper Camp - ? (Reported)		1990
<i>Samolus parviflorus</i>	1 - Antioch shore: Marina	Miscellaneous Wetlands	Sep 19 1996
	2 - Antioch Shore: 0.3 km (0.2 mi) W of Antioch Point		Jul 25 1990
	3 - Browns Island		1978
	4 - Big Break: ¼ mi E of Antioch Bridge		Jul 14 1955
<i>Schoenoplectus tabernaemontani</i>	Lct Rock Slough and Werner Cut, in levee high tide area	Miscellaneous Wetlands	Apr 8 1986
<i>Torreyochloa pallida</i> var. <i>pauciflora</i>	Livermore: Frick Lake	Freshwater Marsh, Riparian	198?

5 Species with Multiple Sites

Lepidium dictyotum: 1 current site (1996), 10 historical
Microseris campestris: 1 current site (1998), 10 historical
Pilularia americana: 1 current site (1998), 5 historical
Poa howellii: 2 current sites (2006, 2010), 16 historical
Triglochin concinna: 1 current site (2002), 6 historical



LIRA Crew at Marina Bay on Jan.4th. Photo by Jane Kelly.

POINT ISABEL AND BEYOND IN JANUARY

It's planting time.

Point Isabel and the Adopt-a-Spot are made up of an assortment of soils and landfill so we never know what we are going to encounter when we place the shovel at the chosen spot and dig down. Sometimes (but rarely) the soil is perfect for our California native plants. Other times, we need to significantly improve the planting hole and add a little soil amendment to ensure the plant thrives. At the last work party in December, volunteers Juri and Ian spent one hour digging a large hole, removing two large chunks of asphalt, amending the soil, and successfully planting a lemonade berry (*Rhus integrifolia*). When our crews encounter such situations, there is a moment at which the fleeting thought arrives to simply find another spot. That is instantly followed by the realization that one is now involved in a personal challenge and that the debris is not going to triumph. Derrick and his young daughter Adi planted the second lemonade berry and Tom planted the third.

Point Isabel Stewards finished settling in new plants funded by the East Bay Regional Park District and grown by The Watershed Nursery in Richmond. Steward Nina planted 3 California buckwheats (*Eriogonum fasciculatum*), 2 toyons (*Heteromeles arbutifolia*), 2 sticky monkeyflowers (*Diplacus aurantiacus*), 2 coyote mints (*Monardella villosa*), 1 black sage (*Salvia mellifera*), and 1 hollyleaf cherry (*Prunus ilicifolia*). Steward Sue planted toyon, California buckwheat, black sage, hairy leaved sunflowers (*Helianthus annuus*), and great salt bush (*Atriplex lentiformis*). Sue also spread around some seeds of the California fuchsia (*Epilobium canum*) and purple needle grass (*Stipa pulchra*). On January 18, new volunteers Maria and Angela (who came all the way from Livermore),

planted the remaining 2 CA fuchsia (*Epilobium canum*). On the Richmond Adopt-a-Spot, we planted 3 healthy brittleleaf manzanitas (*Arctostaphylos crustacea*) recommended by Beth Wurzburg of EBCNPS and grown by Native Here Nursery in Tilden. So we are all set now to keep our eyes on these plants, ensure they are occasionally irrigated, and get their roots down to ensure their long term survival.

Amidst all this planting, Miriam, Karen, Stan, and Jean removed a load of mallow and radish seedlings. Richard continued his poppy rescue work. Rob cut back dead branches and picked up all the trash. John removed pepper weed and sourgrass from around the native shrubs and we removed bigleaf periwinkle from within the poison oak (*Toxicodendron diversilobum*).

Our Algerian lavender (*Limonium ramosissimum* aka LIRA) removal project continued along with a super productive and fun work party at Marina Bay on January 4th. And Core Volunteer Lewis, during his holidays, removed yet another stretch of ice plant (*Carpobrotus edulis*) that was infesting the breakwater and inhibiting the growth of salt grass (*Distichlis spicata*) and pickleweed (*Salicornia pacifica*).

Thanks again to the Contra Costa County Fish & Wildlife Propagation Fund for the Richmond Adopt-a-Spot grant and to EBRPD for their plant grant for Pt. Isabel. Thanks also to all the superb volunteers who come out to plant, to weed, and to gently improve the environment for all the creatures with whom we share this planet.

Jane and Tom Kelly



Point Isabel on Jan.18th. Photo by Jane Kelly.

POINT ISABEL PICTURES



Above: The Winter Solstice Crew. Below: Adi, Derrick and Tom Plant Another Lemonade Berry. Photos by Jane Kelly.



RESTORATION IN FEBRUARY

Saturday, February 1, and Saturday, February 15, both from 9:30 am to 2:00 pm, Point Isabel restoration. Join the Kellys and Greens at Work on the San Francisco Bay Trail side of Pt. Isabel, just to the west of the Central Avenue exit from the 580 freeway in El Cerrito. For more information email tkelly@kyotousa.org.

Saturday, February 1st at Pinehurst Gate, off Pinehurst Rd., from 9:00 am. - 1:00 pm. We will continue pulling French broom on the Eastridge trail. Sunday, February 9th we will meet at the park office yard at 9:30 a.m. and pull French broom and *Vinca*. Please park in the Wayside lot across from the office yard. As always, we will provide delicious snacks and tools. redwood@ebparks.org | www.ebparks.org
Ranger Monica

Saturday, February 15. Workshop in Garber Park: Invasives - Best Management Practices for Your Worst Problems, 9:30 am-12:30 pm. The Garber Park Stewards and the Golden Hour Restoration Institute are pleased to offer the 2nd in our Winter Restoration Workshop Series celebrating 10 years in Garber Park. Join us for this hands-on workshop on invasive species control. Dress in layers for the changing weather. Meet at the Claremont Ave. entrance to Garber Park, .4 miles up Claremont Ave from the intersection of Ashby Ave. and Claremont Ave. Come early, 9:15, to enjoy coffee, snacks and meet fellow

workshop participants. For a map and directions visit garberparkstewards.org. RSVP to Golden Hour at EventBright: <https://www.eventbrite.com/e/10-years-of-east-bay-restoration-with-garber-park-stewards-tickets-84789952029?aff=ebdssbdestsearch>. For more information contact Shelagh garberparkstewards@gmail.com. Shelagh Brodersen, Volunteer Coordinator, Garber Park Stewards, email: garberparkstewards@gmail.com

Join Janet Gawthrop and other volunteers restoring Huckleberry Regional Botanic Preserve in the Oakland hills. Please note that you may be exposed to poison oak during this event so if you are sensitive to it you may wish to consider another event. We meet year-round at 9:30 am on the 3rd Sunday every month to remove invasive plants by hand from Huckleberry Regional Botanic Preserve, one of the very few botanic preserves in the East Bay Regional Park system. Several plant communities thrive in Huckleberry Regional Botanic Preserve, including live oak-bay woodland and maritime chaparral, which has several species of unusual plants now threatened by development. For more information click on this link: <https://www.meetup.com/ebcnps/events/fwswjrybcfbtb/>

Here is a list of projects associated with the Chapter. We give website and contact information when available:

Albany Hill
www.tendancienthill.org
Margot Cunningham, leader
tashorehill@gmail.com

Garber Park Stewards
garberparkstewards@gmail.com

Huckleberry Botanic Regional Preserve
Janet Gawthrop, leader
janetgawthrop47@gmail.com

John Muir NHS (Martinez)
Elaine Jackson, leader
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elainejx@att.net

Marsh Creek
Heath Bartosh, leader
925-957-0069
hbartosh@nomadecology.com

Point Isabel
El Cerrito Recycling Center
Tom and Jane Kelly, leaders
510-684-6484 (c)
kyotousa@sbcglobal.net

McLaughlin Eastshore State Park (Berkeley)
John Kenny, leader
johnkenny54@yahoo.com

Sibley Regional Park
Janet Gawthrop, leader
janetgawthrop47@gmail.com

Skyline Gardens
Glen Schneider, leader
www.skylinegardens.org

stinkwort (*Dittrichia graveolens*) Removal
Barbara Leitner, leader

Walnut Creek Open Space
Lesley Hunt, leader
ldhunt@astound.net

OFFICERS AND COMMITTEE CHAIRS

Committees are formed based on chapter needs and the interests of volunteers. Proposals for committees and projects are welcome and will be considered by the Board.

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California Native Plant Society

East Bay Chapter

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Berkeley CA 94705

DISCOVER NATIVE GROUND COVERS



FEBRUARY 29, 11AM
at NATIVE HERE NURSERY,
101 Golf Course Dr, Berkeley, CA

Join us to learn about a variety of native ground covers from landscape architect Kimberly Moses. Over 200 species of other native plants will also be available for viewing and purchase.

Nursery hours: 10am-2pm.

**Native Here Nursery is a project of the
California Native Plant Society, East Bay Chapter**