



April 2017

The Bay Leaf

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

www.ebcnp.org www.nativeherenursery.org

MEMBERS' MEETING APRIL

A Journey Back in Time on San Miguel Island

Speaker: Bob Sikora

Wednesday, April 26, 7:30 pm

Location: Garden Room, Orinda Public Library (directions below)

Extending west into the Pacific beyond the area sheltered by Point Conception, San Miguel Island has been sheltered from people for decades—by the weather, the Navy, and now, hopefully, by the National Park Service. The island's isolation has left it as a virtual museum of California geology and archaeology. Bob Sikora has had occasion to visit the island several times, beginning 50 years ago. As you will see, a visit is an experience akin to walking on the moon. He will take us there on April 26.

Bob Sikora (MA, zoology, UC Berkeley) was one of the first four research divers at UC Berkeley. He taught advanced biology at Berkeley High and enjoys nature photography in his retirement.

East Bay CNPS membership 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 (in Orinda Village). The Garden Room is on the second floor of the building, accessible by stairs or an elevator. The Garden Room opens at 7 pm; the meeting begins at 7:30 pm. Questions? Email programs@ebcnp.org or call 510-496-6016.

Directions to Orinda Public Library at 26 Orinda Way:

From the west, take Hwy 24 to the Orinda/Moraga exit. At the end of the off ramp, turn left on Camino Pablo (toward Orinda Village), right on Santa Maria Way (the signal after the BART station and freeway entrance), and left on Orinda Way.

From the east, take Hwy 24 to the Orinda exit. Follow the ramp to Orinda Village. Turn right on Santa Maria Way (the first signal) and left on Orinda Way.

Once on Orinda Way, go 1 short block to the parking lot on the southeast side of the two-story building on your right. There is additional free parking beneath the building as well as on the street.

From BART (4 blocks): Exit the Orinda station, turn right and cross a pedestrian bridge, then cross a second pedestrian bridge on the left. Go 1 short block on the sidewalk to the third pedestrian bridge. Go 2 blocks on Orinda Way to the Orinda Library.

Next Month's Program:

May 24, 7:30 pm, Garden Room, Orinda Public Library
Ted Kipping: Pacific Coast Irises and Their Beautiful Love Children



San Miguel Island location (image OpenStreetMap contributors)

Thursday, May 4, 2017 is a Big Day of Giving for Sacramento Area non-profits including the California Native Plant Society. See <https://www.bigdayofgiving.org/CNPS> for information on how to contribute.

CONSERVATION ANALYST'S REPORT

Antioch Residents Turn out for Forum on Sand Creek Housing Development

Over 180 people crowded into Antioch's Prewett Community Center one night in late February to talk about housing development plans slated for southeast Antioch, south of Lone Tree Way. A large planning area named the "Sand Creek Focus Area" in City planning documents, this four square mile area lies on both sides of Deer Valley Road in southeast Antioch. The Kaiser Center sits inside; the entire planning area stretches lengthwise from slightly east of the hospital all the way over to Black Diamond Mines. Water flows east from the oak woodland foothills of Black Diamond Mines Regional Park and across a broad sweeping valley, then crosses Deer Valley Road. This is Sand Creek, from which the planning area takes its name. (See maps on the next page.)

The forum was organized by Antioch residents, Save Mount Diablo, Sierra Club, Greenbelt Alliance, and the East Bay Chapter of the California Native Plant Society (EBCNPS). EBCNPS is advocating the protection of the rare and unique plant species and communities of Sand Creek. The Sand Creek Focus Area almost fully occupies the "Four Valleys" conservation area from the Chapter's 2010 publication, "Botanical Priority Protection Areas (BPPA) of the East Bay" (<http://ebcnps.org/publications/guidebook-to-botanical-priority-protection-areas/>)

Dianne Lake, EBCNPS Unusual Plants Committee Chair, assembled a list of more than 200 rare, unusual and significant native plants likely to occur within the Sand Creek Focus Area. Megan Keever and Nicole Jurjavcic, the Chapter's Vegetation Committee Co-Chairs, examined the California Natural Diversity Database vicinity occurrence records and found several rare natural communities that may occur in Sand Creek Focus Area, such as alkali meadow and seeps, northern claypan vernal pools, and cismontane alkali marsh.

I shared photos of several native plants with the forum audience. Many residents were surprised to learn about the variety and beauty of their natural heritage. Some of these genera have known occurrences within the City of Antioch, commonly encountered on a trail hike. Other pictures showed species that are documented within eastern Contra Costa County, but are rare gems: brodiaea (*Brodiaea* spp.), calandrinia (*Calandrinia* spp.), round-leaved filaree (*California*

macrophylla), showy golden madia (*Madia radiata*), diamond-petaled California poppy (*Eschscholzia rhombipetala*), small-flowered morning-glory (*Convolvulus simulans*), adobe navarretia (*Navarretia nigelliformis* ssp. *nigelliformis*) and various fiddlenecks (*Amsinckia* spp.) with attractive caterpillar-shaped inflorescences. The area also includes potential habitat for rare large-flowered fiddleneck (*Amsinckia grandiflora*), and recently rediscovered Mt. Diablo buckwheat (*Eriogonum truncatum*). Ending the slideshow, I recounted a few local native plant protection successes, including preservation of rare Antioch Dunes evening-primrose (*Oenothera deltooides* ssp. *howellii*), and Antioch Dunes buckwheat (*Eriogonum nudum* var. *psychicola*).

The City is still proposing to allow the building of up to 4,000 housing units in the Sand Creek Focus Area. Of particular concern is a development named "The Ranch," up to 1,300 houses in almost one third of the Sand Creek Focus Area between Empire Mine Road and Deer Valley Road. If constructed, the Ranch project could stimulate even more development along its outskirts.

Public concern is growing, and residents are telling the City that the planning area for housing is too big, with too many houses. Residents at the forum expressed concern about added traffic delays, neighborhood safety, loss of focus away from other revitalization plans, and of course, loss of a beautiful open space. The organizations involved support more community workshops, a full EIR, and an alternative that shrinks the Urban Growth Boundary (aka, Urban Limit Line). Stimulated by the February forum turnout, City officials scheduled two "Listening Forums" in late March. Most importantly, residents at all these forums are loudly voicing their desire to keep some of the area's natural beauty and see Antioch fix its other issues before adding large housing developments.

If you have photos or special stories about Antioch's open spaces and wildflower fields, or wish to keep informed on this issue, please contact me at conservation@ebcnps.org. For more information and photos of the site there is also a Facebook page, "Antioch Community to Save Sand Creek", <https://www.facebook.com/antiochcommunitytosavesandcreekandstoptheranch/>

Karen Whitestone

UC BOTANICAL GARDEN PLANT SALE

Saturday, April 29, 10 am - 2 pm
[UC Botanical Garden Spring Plant Sale](#)

Your Source For Waterwise Plants

Despite the recent rains waterwise gardening in the Bay area is smart and sensible. The Garden offers a wide selection of drought resistant plants from around the world, including an extensive selection of California natives. Shop for exotic, unusual and hard to find plants: rare cycads

and palms, carnivorous plants, cacti and succulents, vines, tropical specimens and more. There is something for everyone at the Spring Plant Sale.

Great Advice and Guidance

The UC Botanical Garden's expert staff and volunteers take pride in the plants we grow and propagate. We'll be here to answer questions, give advice, and talk all things plants.

<http://botanicalgarden.berkeley.edu/springplantsale/>



RESTORATION PROJECTS

Join the City of Fremont's Environmental Services to enhance wildlife habitat along Sabercat Creek. We are holding volunteer work days on the first Saturday mornings of each month from 9 am-12 pm. With the recent rains, the soil is moist and soft, perfect for removing invasive plants, planting new native trees and shrubs, and caring for previously planted ones. Our work will help stabilize soils and creek banks, filter pollutants, increase native plant diversity, and improve food and shelter for wildlife.

Saturday, April 1, 2017, 9 am-noon Sabercat Creek Habitat Restoration, Site 5 (Becado Place)
Saturday, April 15, 2017, 9am-noon celebrate California Native Plant Week with Habitat Restoration at Sabercat Creek, Site 4. Enter at the trailhead at Quema Drive and Paseo Padre Parkway, go down the slope to the main trail and turn left (head east) through the cattle gate. Look for browse protection cages to your right.

Registration is required. Please visit www.fremont.gov/SabercatRestoration. Click on the "Eventbrite" hyperlink to find the pages for upcoming events. Heavy rain cancels the event. No experience is necessary. All ages are welcome, but children under 12 years must be accompanied by an adult.

Come dressed for the weather and prepared to get dirty (sturdy closed-toe shoes/boots, long pants, hat, sunscreen, and long-sleeved shirt recommended). Bring a signed waiver form, a reusable water bottle, and community service hours forms, if applicable. We'll provide tools, some gloves, and water to refill bottles. If you wish to bring your own gloves or tools, please label them.

For more questions or comments, please contact Sabrina Siebert at ssiebert@fremont.gov or call 510-494-4570.

Sabrina Siebert

Special Assistant

City of Fremont Environmental Services Division

Office phone #: 510-494-458

Mobile phone #: 734-649-3795

www.fremont.gov/SabercatRestoration

Saturday, April 1, 9 am, Redwood Regional Park Meet at Canyon Meadow picnic area to pick up gloves, tools and water, and hike to the work site. You can reach Canyon Meadow via the main park entrance from Redwood Road. If the entry kiosk is staffed be sure to tell them that you are looking for the French broom pull so that they do not charge you for parking.

Saturday, April 1, 9:30 am, Pt. Isabel at McLaughlin Eastshore State Park. Meet at the end of Rydin Road to pick up tools and find a site in need of weeding. e-mail kyotousa@sbcglobal.net to RSVP and if you have any questions.

Sunday, April 2, 10:00 am - 1:00 pm, the monthly North Basin restoration meets at Eastshore State Park, on the bay shoreline south of Tom Bates soccer fields, to continue clearing radish, ripgut brome and other invasives from around the native plants. A map of the area can be found at

<https://goo.gl/rqdZQW>. For directions to the work site or more information about this project, contact John Kenny (johnkenny54@yahoo.com).

Saturday, April 8, 9:30 am, Huckleberry Regional Botanic Preserve (only entrance in Oakland, to the right of Skyline Boulevard) Meet the ranger at the parking lot to pick up gloves, water and tools and we decide on a worksite. Now that some of the French broom is gone we've started pulling Italian thistles and poison hemlock that sprang up this year. If you have questions or want to volunteer on a different date please e-mail janetgawthrop47@gmail.com.

Sunday, April 9, 9:30 to 1 pm, Redwood Regional Park Meet at Canyon Meadow picnic area to pull French broom. See April 1 description.

Saturday, April 15, 9:30 am, Pt. Isabel at McLaughlin Eastshore State Park

Meet at the end of Rydin Road to pick up tools and find a site in need of weeding. E-mail kyotousa@sbcglobal.net to RSVP and if you have any questions.

Saturday, April 15 10 am-1 pm, Garber Park. Come join Garber Park Stewards and Lech Namovich, Golden Hour Restoration, to review some research on French broom and help us conduct a systematic survey to determine the degree of its infestation and the probability of its eradication. Due to the work of devoted volunteers over many years French broom is nearly eradicated at Garber. We will be walking off trail and surveying the entire 13 acre park using a systematic grid, removing any broom we find. Join us on our first annual "sweep" through the park to keep Garber French broom free. Wear long sleeves and pants, and shoes or boots with good treads. We provide tools, gloves, water, and snacks. Directions: can be found at garberparkstewards.org. RSVP to Shelagh.garberparkstewards@gmail.com.

Sunday, April 16, 9am, Sibley Regional Park (Oakland entrance) Meet us at the parking lot off Skyline, a few hundred meters north of Huckleberry Park. However if you want to start in from the Old Tunnel Road staging area (Orinda side), then e-mail either janetgawthrop47@gmail.com or sibley@ebparks.org so we can expect you. We have made enough of a dent in the wall of French broom to move back a short distance from the Sibley to Tilden trail.

Saturday, April 22, 9 am, Beaconsfield Canyon in Oakland Celebrate Earth Day with the Friends of Beaconsfield Canyon as they restore this riparian area complete with a couple of the few Fremont poplars in the East Bay. (Fremont cottonwoods to some). Street parking is limited, so it is best to scope the area ahead of time. Google maps works, as does the Friends of Beaconsfield contact.

Saturday, April 29, 9:30 am, Albany Hil, 9:30 am Join Margot Cunningham and others to weed and replant with natives. RSVP by e-mail to friendsalbanhill@gmail.com.

RESTORATION PROJECTS CONTINUED

Citizen scientists needed for endangered pallid manzanita (*Arctostaphylos pallida*) crew

Are you intrigued by scientific field methods? Do you love being outdoors? Does a gorgeous manzanita stop you in your tracks? Friends of Sausal Creek is excited to be partnering with the California Native Plant Society and the Chabot Space and Science Center on a new citizen science initiative to protect and restore the state listed endangered and federally listed threatened. Helping to protect and restore the endangered pallid manzanita does not require a specialized background, but it does require a desire to learn and a love of the outdoors. Working with the pallid manzanita crew is an opportunity to learn about habitat enhancement activities such as removing invasive and competing species and restoring native plants. Crew members will help gather data to monitor the existing pallid manzanitas for an annual report for the California Department of Fish and Wildlife threatened pallid manzanita (*Arctostaphylos pallida*).

Topics covered will include the pallid manzanita life cycle, the conditions where it grows, and threats to its survival. You will learn about the native plant community at the site and gain plant identification skills, including identifying the invasives to remove around pallid manzanita seedlings. Also covered will be habitat restoration techniques, monitoring protocols, and germination experiment design. We are looking for a few good volunteers to help preserve this iconic local species.

CALSCAPE: FINDING THE RIGHT PLANT

We all look at the world through various filters. For plant enthusiasts like readers of this newsletter, our filters tend to make plants jump out as the main feature when we look around. Our filters may further refine our perception to emphasize local native plants or rare plants or weeds or, worst case scenario, only the most terrible invasive weeds. Whatever your plant filter helps you notice, you likely share the CNPS interest in restoring nature. Native plant gardeners' goals include helping to provide habitat for the plants themselves as well as the myriad associated fauna. As we get our hands dirty and begin to see what works and what doesn't we often end up with more questions about how to initiate and sustain thriving local ecosystems. The scale of our efforts can vary from trying plants out in pots on a balcony, in a vacant lot or small urban garden all the way up to large scale restoration efforts.

Getting the right plants for any situation can be tricky business. Our climate here is considered Mediterranean, meaning we have warm moist winters and cool summers, but that is not the long and short of it. Within that general description we have many variables, each garden may have different conditions and each part of each garden may again have different conditions. How to filter all those aspects? In answer to the sometimes confusing and possibly overwhelming question

Pallid manzanita: an endangered chaparral beauty Pallid manzanita is a rare species found in the maritime chaparral habitat of western Alameda and Contra Costa counties. This graceful woody shrub has smooth red bark, urn-shaped flowers, and berries reminiscent of little apples or manzanitas, but it is distinguished from closely related species by a pale white or "pallid" bloom on young leaves. For thousands of years the fire-adapted pallid manzanita thrived in the East Bay hills, but today the species is on the brink of extinction. One of the last remaining populations of pallid manzanita is found in the Sausal Creek watershed adjacent to the Chabot Space and Science Center (CSSC) in Joaquin Miller Park. In 1995, there were 21 pallid manzanita individuals found at CSSC; today there is just one surviving member of that group.

Workdays: a year commitment to pallid manzanita Workdays are from 9 am-noon on the 2nd Saturday of every month at the Chabot Space and Science Center, located at 10000 Skyline Boulevard, Oakland. We are asking for a six-day commitment over the course of a year so we can train and retain volunteers who will be knowledgeable about working with this vulnerable species. Our first workday will be Saturday, April 8th.

RSVP or direct questions to Jill Miller education@sausalcreek.org or (510) 853-3533. Space is limited as we want to keep this program small and successful.

of what to plant, a wondrous (fairly) new online tool called Calscape has been launched.

Calscape cleverly uses the data from several online resources to provide anyone interested the ability to build plant lists appropriate to their specific situations. The tool is a database with thousands of plants. You put it to work by filtering according to your location and the specifics of each sub-location within your project. The goal is to help gardeners and restorationists become more successful. You can use a broad filter for location only or you can add finer filters for soil, sun, water and temperature conditions. To learn more about Calscape I recommend reading the description and then playing around a bit with the filters <http://calscape.org/about.php>.

For large-scale garden inspiration, there is a great article about Dennis Mudd, a San Diego gardener who invented the tool. The article includes before and after pictures. <https://grownatives.cnps.org/2016/12/12/san-diego-garden-tour-with-calscape-creator-dennis-mudd/> Happy filtering!

Kristen Hopper

Oaktown Native Plant Nursery

POINT ISABEL RESTORATION IN MARCH 2017

This Point Isabel Restoration Project article is dedicated to all our volunteers, both current and past, without whom we could never have accomplished much nor could we have been able to maintain our own commitment to making Hoffman Marsh the best habitat possible.

Since getting under way nearly a decade ago we have had thousands of volunteers participate in the restoration effort. In the early years volunteers pulled out hundreds of tall, invasive French broom shrubs, moved mulch, eliminated Cape Ivy, ice plant (well, as long as you don't look at the I-580 embankment), thistle, radish, mustard and more. Daisy Scouts, Eagle Scouts, schools, churches and synagogues, office workers, and more are taking part.

Just this month we welcomed 30 volunteers at the work party on March 4. English Studies Institute (ESI) students from Japan, CorePower Yoga teachers-in-training from the Bay Area, Point Isabel Stewards and Core Volunteers. We mixed up the groups to help the ESI students learn many new English words. Pulling oat grass and oxalis, sheltering beetle cocoons and spiders. Learning how to say to the little creatures "See You Later, Alligator" and learning the correct response of "After a While, Crocodile". Inspecting the California native plants - poppies, toyon, California sage brush, lizard tail, monkey flowers and bunch grasses. Shore birds fed everywhere, including great blue heron, egrets large and small, willets, ducks, buffleheads and geese. Both groups did a tremendous weed removal job and CorePower Yoga teachers-in-training stepped up and helped an ESI student stretch to relieve a leg cramp.

On March 6 we worked with Steward Margot to start replanting the Adopt-a-Spot that had been erroneously mowed by Caltrans. We settled in a five-gallon buckeye (*Aesculus californica*) as well as pink flowering currant (*Ribes sanguineum* v. *glutinosum*), red willow (*Salix laevigata*), toyon (*Heteromeles arbutifolia*), big saltbush (*Atriplex lentiformis*), California phacelia (*Phacelia californica*), and sticky monkeyflower (*Mimulus aurantiacus*). Margot found the young buckeye that had been mowed to the ground but that is beginning to grow again. At the end of March Margot will supervise an Eagle Scout candidate who will remove invasive grass and complete the replanting of this site.

On March 9 we planted six more yampah (*Perideridia kelloggii*) on Steward Tom's site to create a good patch for the anise swallowtail caterpillars.

On March 18 we had our 2nd work party with Stewards, Core Volunteers, and new volunteers Matt and Charlotte and spent a serene and very productive day removing oat grass, oxalis, thistle, dandelion and California burclover (not native, despite its common name). Core Volunteer Rob Kirby picked up all the trash along the trail preventing any of it from reaching the marsh.

Thanks to EBRPD Recreation Supervisor Jeremy Saito for the bandanas and hats. Thanks as always to our District Ranger, Bruce Adams.

Jane and Tom Kelly



March 4 crew (previous page), Core Yoga volunteers (upper left), Berkeley High volunteer Charlotte (upper right), Gudrun with ESI students (below). Photos by Jane Kelly.



NATIVE HERE WATERING TEAM NEEDED

Join the watering team and save lives — plant lives!

Native Here Nursery (shown below) is in need of a few more watering team members. We have watering slots available on Fridays, Saturdays or Sundays. If you like solitude you can water when the nursery is closed. If you prefer the fellowship of volunteers doing a variety of activities, we have slots to fill while the nursery is open.

We depend entirely on volunteers to keep the nursery going, and there are ways for volunteers with many backgrounds and skills to be involved.

For more details on how you may become involved with the nursery see <http://nativeherenursery.org/volunteer-opportunities/> or email the Volunteer Coordinator at rapearsons1@mac.com, East Bay CNPS Native Here Nursery.



GOLDEN HOUR INSTITUTE EVENTS

On April 10, the Golden Hour Institute is having a workshop for five people to learn QGIS - a fantastic free GIS platform. This workshop is intended for beginners who want to find out how to set up open source Geographic Information Systems software and some basic functions around using it. Note, space is limited to five - you must buy a ticket here: <https://introtoqgis-goldenhour.eventbrite.com>

This workshop will be conducted indoors at the David Brower Center - 2nd Floor conference room - 2150 Allston Way Berkeley, CA. Cost: \$35, light evening snacks provided.

In April the Institute plans to have a rare plant workshop on taking a census of an endangered annual plant.

Lech Naumovich
Executive Director
Golden Hour Restoration Institute
David Brower Center
2150 Allston Way - Suite 32
Berkeley, CA 94704
510 495 5885
www.goldenhour.org

FIELD TRIPS

April 1-6

[Death Valley, Amarogosa and Panamint Ranges botany trip](#)

April 8

Toyon Canyon April 8

<https://www.meetup.com/ebcnps/events/235194203/>

April 15-20

[Joshua Tree National Park Botany trip](#)

April 29-May 5

[Mojave National Preserve 8 day trip](#)

As part of the year-long celebration of the 10th Anniversary of the East Contra Costa County Habitat Conservancy's work, the Conservancy and East Bay Regional Park District are hosting a series of hikes on properties that have been acquired and have not yet opened to the public. Save Mount Diablo, Nomad Ecology, and the California Native Plant Society-East Bay are partnering with the Conservancy and EBRPD to lead hikes. The hikes for April and May are listed below.

Explore Horse Valley (Roddy Ranch) - South Antioch Area

Sunday, April 9, 9:30-noon

Monday, April 10, 9:30-noon

Participants must register in advance. The registration link

WORKSHOPS BY OTHER ORGANIZATIONS

Workshops at the Ruth Bancroft Garden

The Garden will host monthly free all-day events featuring different themes that relate to sustainable gardening practices. Here are the themes for upcoming Waterwise Wednesdays:

Wednesday, April 12: Expert Advice for Drought Tolerant Garden. Learn the best practices and "how to's" of converting a traditional lawn to a vibrant drought tolerant garden

Wednesday, May 10: Making and Using Compost. In conjunction with International Compost Awareness Week, come learn how to make and use compost--the secret ingredient for improving your soil and invigorating your plants.

Wednesday, June 14: Birds, Bats and Other Pollinators. Welcome birds, bats and other important pollinators into your garden. Find out how to choose plants that will provide food and habitats for wildlife.

Wednesday, July 12: Insect Friends and Foes. Learn about organic methods of pest control including how to cultivate beneficial insects and identify garden pests.

Wednesday, August 9: Reduce, Reuse, Recycle Water in the Garden. Learn how to set up water conserving drip irrigation systems, harvest rainwater or set up a grey water recycling system in your garden.

Wednesday, September 13: Native Plants. Plants that are adapted to our climate and soils thrive in garden settings and require much less supplemental watering. Fall is the perfect time for planting native plants! Learn from experts

to the hike is here: <https://www.eventbrite.com/e/explore-horse-valley-rodody-ranch-tickets-32179453612>

Hosted by the Conservancy and Nomad Ecology.

Exclusive Irish Canyon Property Tour - Clayton Area Saturday, May 13, 9 am-1pm

Participants must register in advance at:

<https://irish-canyon-property-hike.eventbrite.com>

Hosted by Save Mount Diablo, this docent-led hike will be on:

Abigail Fateman

Phone: (925) 674-7820

Email: Abigail.Fateman@dcd.cccounty.us

Sunday, April 23, 9:30 am, field trip to Richmond Hills Join Dick Schneider and Janet Gawthrop for this beginner-level walk into the Richmond Hills, starting from the Clark-Boas trailhead. This trip will focus on the mixed grasslands and conservation election victory last year, in which voters saved this open space adjoining East Bay Regional Parks. If you have a grass key that you want to learn to use, bring it along. This is a good place to learn keying grasses in the field, if you don't mind staying on in the middle of the day. You can RSVP either by e-mail janetgawthrop47@gmail.com or go to www.meetup.com/ebcnps/.

about designing and choosing plants for your water-wise garden.

Anna Halverson
Ruth Bancroft Garden
1552 Bancroft Road
Walnut Creek, CA 94598
925-944-9352

Mono Lake Workshop on High Country Plants and Habitats

July 28-30, Friday-Sunday, 2017

Instructor: Ann Howald

Cost: \$165 per person, \$150 for Mono Lake Committee members, limited to 15 participants

Taught in the Tioga Pass region of the Sierra Nevada, this field seminar visits subalpine meadows, forests, lakeshores, streams, and natural rock gardens. Field identification of trees, shrubs, wildflowers, and ferns, resident birds, insects and other wildlife combines with discussions of how these plants and animals rely on each other for food, seed distribution, nesting sites, and other necessities. A special focus is how high elevation plants and animals are being affected by climate change, and how they are coping with "weird weather" and other new realities.

For detailed information, please visit: <http://www.mono-lake.org/visit/seminars>

Pleasant Hill Instructional Garden Invites You To...



CELEBRATE
Earth Day
In the Garden
Sunday, April 30, 2017
1:00-4:00 PM

Enjoy an afternoon in the Garden with fun activities for kids and adults. Hear from local experts on topics such as composting, soil - water quality and conservation, beekeeping, garden pollinators, and gardening with native plants. Take a free tour of the garden led by University of California Master Gardeners, Monika Olsen. Meet with local sustainable organizations including California Native Plant Society, Central Contra Costa Sanitary District, Sustainable Contra Costa, Wild Birds Unlimited, DYC Horticulture Club, Foundation for Pleasant Hill Education Green Team, and more. Bring your smartphone or device for fun, interactive games in the Garden including the iNaturalist app created by the California Academy of Sciences.



PHIG
Pleasant Hill Instructional Garden

PHIG is located across from Pleasant Hill Middle School and from Pleasant Oaks Park at One Santa Barbara Road.

http://phig.webs.com

R.S.V.P. 925-482-0670 OR email: phigarden@gmail.com



Pallid manzanita berries (photo by Gudrun Kleist)

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EBCNPS sponsored activities

East Bay Chapter News list
Emailed announcements of upcoming EBCNPS events
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Point Isabel
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Tom and Jane Kelly, leaders
510-704-8628 (w)
510-684-6484 (c)
kyotousa@sbcglobal.net

Skyline Gardens
Glen Schneider, leader
skylinegardens@ebcnps.org

Walnut Creek
Lesley Hunt, leader
925-937-6791
ldhunt@astound.net

Officers and Committee Chairs serve on the Board

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

**California Native Plant Society
East Bay Chapter
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