

Valley Views

The Friends of San Pedro Valley Park

May / June 2024

Upcoming Talks

A May Zoom Webinar with Colleen Young “An Overview of Southern Sea Otters in California”

On **Saturday, May 18th at 7 pm**, the Friends of San Pedro Valley Park are pleased to welcome Colleen Young, an environmental scientist and sea otter biologist from the CA Dept. of Fish and Wildlife. She will talk to us about southern sea otters in California. Her presentation will include an overview of sea otter natural history and their unique biology and physiology. Colleen will discuss the status of the sea otter population, including the historic and current population size and range, and causes of mortality. A summary of sea otter sightings and strandings in Pacifica will be provided. Her talk will end with a review of current conservation challenges and potential solutions.

About the Speaker: Colleen Young is an environmental scientist and sea otter biologist at the CA Dept. of Fish and Wildlife, Office of Spill Prevention and Response in Santa Cruz. She has been studying sea otters since 2010 and works on projects including population monitoring, recovery and examination of stranded sea otters, and capture, tagging, and tracking of wild sea otters. These studies are done collaboratively with partners, including the Monterey Bay Aquarium, the Marine Mammal Center, the US Geological Survey, the US Fish and Wildlife Service, UC Davis, and UC Santa Cruz. When not conducting sea otter research and monitoring, Colleen leads and participates in drills and trainings to prepare for an oil spill involving sea otters (which we hope never happens!).



To participate in this Webinar, please register in advance using the following link:

https://us02web.zoom.us/webinar/register/WN_VrvqqS6HS5Cmk8NN8DRMhg

Just enter your name and email address to register. You will then get a confirmation email with further instructions, as well as reminder emails at one week, one day and one hour to prior the Webinar.

Upcoming Summer Programs for Kids

A June Children's Program by The Lizard Lady “Lizard Lady's Reptiles”

Join us for the first of three, exciting summer programs especially designed to appeal to young, school-aged children, when The Lizard Lady brings her exciting show to San Pedro Valley Park in the **North Walnut Grove Group Picnic Area** on **Thursday, June 20th at 3:00 pm**. She has acquired a unique list of reptiles, including snakes, tortoises and lizards. Her award-winning entertainment is tailored to each of her audiences; anywhere from preschool, all the way to high school and beyond. Her animal shows offer a unique experience to enjoy and learn about our planet's endangered and exotic reptiles and the staff at Lizard Lady Reptiles are animal lovers who want to share the beauty and history of these reptiles. They provide a unique segment targeted at endangered rainforest reptiles, which they have been told is the best part of the show!

The Lizard Lady has early childhood education experience as a preschool teacher, which has allowed her to develop a special program specifically for young children. She and her staff are knowledgeable and experienced in early childhood education. Their tailored programs offer children of all ages award-winning entertainment while educating them about the awesome jobs reptiles do in helping us take care of our planet. In her shows, the Lizard Lady allows everyone to get up close and personal with her reptile subjects, including the opportunity to pet and hold them for a unique experience. Come see for yourself!



The Friends of San Pedro Valley Park

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Visitor Center

The Friends provide volunteer hosts to staff the reception desk when the Visitor Center is open on Saturdays and Sundays (only) from 10 am to 4 pm. Our Trailside Store is open during those hours.

More Upcoming Summer Program for Kids

A July Children's Program "Wild About Monkeys!"

On **Thursday, July 11th at 3 pm** in the **North Walnut Grove Group Picnic Area**, the Friends are pleased to present our second children's program for the summer, **Wild About Monkeys!** We are very excited that animal experts Kevin Keith & his daughter Illianna are bringing their renowned monkey family to San Pedro Valley Park for the very first time! Some of these wonderful animals have starred in several recent feature films, including "Rock Of Ages," "The Rundown," "Evan Almighty," and "Dinner for Schmucks."

Training baboons is their specialty and they believe baboons to be, by far, the most socially intelligent primate. Combining the rare skills of excellent trainers and the incredible instincts of the wild, as well as domestic animals with which they have become friends, Kevin and Illianna delight and amaze their audiences with fun, education and great entertainment for the whole family. Come and see them and their Mandrill baboon friends!!



Dagney - star of the show

And Finally...Our Third (& last) Summer Children's Program: Wild Things! is Back in San Pedro Valley Park!

On **Friday, August 16th at 11:30 am** the Friends of SPVP again welcome Gabe Kerschner and his wonderful Wild Things show to San Pedro Valley Park in the **North Walnut Grove Group Picnic Area**. Last year's program was fabulous and the ever affable Gabe again brought lots of smiles and laughs to all with his puns and jokes. Everyone loved the show! So do join us. You won't want to miss it!!

About the organization: Gabe Kerschner founded Wild Things in 1988 after graduating from the Exotic Animal Training and Management Program at Moorpark College, with the goal of not only providing a home for animals in need, but also sharing with others a respect for wildlife and an understanding of wildlife conservation. Conservation Ambassadors' Wild Things was founded to house and care for displaced wildlife. With the help of these animal ambassadors, they have



been educating the public with a message of conservation and appreciation for natural wonders for over 35 years.

They provide a home for over 60 species of wildlife. These animals are shared in their wildlife education presentations to thousands of school children every year. Their hope is that through meeting these animals and hearing their stories, future generations will gain a greater appreciation for the natural world.



Recent Program

J.R. Blair's "Pollination Seeds & Fruit"

by Bing Huey

In time for the new greenery and blooms in San Pedro Valley Park, J.R. Blair gave a lecture about the biology of the plants that produce the spectacle, entitled "Pollination, Seeds, and Fruit," on **Saturday, March 2nd at 7 pm**. Delving into the mostly microscopic, he described the processes by which plants successfully reproduce.

First though, he took the audience through a brief taxonomic organization of plants. Bryophytes are the mosses and liverworts and lack vascular tissue. Pteridophytes, the ferns and horsetails, are seedless plants that have vascular tissue. Among seed plants, gymnosperms have seed but no fruit. They are the conifers, ginkgo, and cycads. Angiosperms are the flowering plants. Most have some sort of fruit and are vastly more diverse than other plant groups. The algae are also plants that are classified separately from these groups.

A common theme resides in the reproductive strategies of all plants. Their life cycles consist of two phases: a haploid gametophyte stage producing haploid gametes by mitosis which undergo fertilization to produce a diploid spore which develops into a diploid sporophyte stage. The sporophyte has cells which undergo meiosis to produce haploid gametophytes. In bryophytes and pteridophytes, the two stages are distinct and macroscopic, often growing together as one plant, and the spores are the propagules. In seed plants, the spore is retained in the sporophyte, which in turn produce seed or fruit as the propagule. Male gametophytes take the form of pollen, which, while multicellular, are haploid and microscopic. Female gametophytes are likewise highly reduced to a few cells, one of which develops into an egg cell.

The process of fertilization in seed plants involves the transfer of pollen to some structure, like a cone or a flower, containing the female gametophyte and egg. Details of the fertilization process, as well as detailed differences in gamete development between gymnosperms and angiosperms, were part of J.R.'s lecture.

Pollination in the seed plants involves processes outside the plant. There is abiotic pollination, essentially wind, that occurs in all gymnosperms and many angiosperms. Biotic pollination involves other organisms in a variety of ways. Animals might be enticed with a reward of nectar or pollen. Insects might be attracted by fragrance or visually (they are known to be able to see into the ultraviolet spectrum). Night pollinators such as moths rely more on fragrance and flowers that attract them tend to be white. Bird pollinators like hummingbirds tend to target red unscented flowers that are tubular, which exclude most insects. Among mammal pollinators, some bats are obligate nectar feeders, while others are facultative and take insects as well. Their target flowers tend to be fragrant white ones that produce copious amounts of nectar. In Australia, there are possums that are nectar feeders. In place of the nectar reward, some plants use trickery to attract, like a smell resembling rotting flesh or feces to attract flies. Some orchids mimic female wasps to attract males to pollinate, even producing a pheromone.

Following pollination, the resulting zygote develops into an embryo. Whereas non-seed plant embryos are capable of photosynthesis, seed plants embryos require that some tissue be provided as nourishment. In angiosperms, this is the endosperm, tissue formed from one of the pollen sperm cells. And in gymnosperms, it is the female gametophyte. All angiosperms produce some kind of fruit, which technically is the mature ovary. Fruit can be dried or fleshy, and dried ones can be dehiscent, where the fruit splits open upon ripening to release seed, or indehiscent, where the whole fruit leaves the plant as a propagule.

Dispersal of seed or propagule is essential to preventing competition among new plants for space and resources. It can be abiotic, using wind or water, or biotic. Biotic agents might be frugivore animals that eat the fruit containing the seed, which survive the journey through the digestive tract to be deposited a distance away. Other seeds are hitchhikers, using hooks or barbs to attach to fur or feathers. Oaks have evolved to take advantage of rodents and other animals that cache their food. By producing copious quantities of propagules in a relatively short time, they can count on the animal to either perish or forget where it has buried the acorns.

Armed with a little deeper understanding of these aspects of plant life, the visitor to the park can have greater appreciation for their presence.

J.R.'s webinar is recorded and available for viewing through the Friend's website. See: <https://friendsofsanpedrovalleypark.org/zoom-webinar-recordings/>

A Trail Day on the Valley View for a Change!

by Joseph Piro

For our March 9, 2024 Trail Day, **Mary Larsen, Stan Jensen**, my brother **Erik** and **I** headed to the other side of the park for a change.

Taking along loppers, a rake, mattock and a pair of McLeods, we walked the Valley View Trail and mostly worked on drain dips, either cleaning them out or making a few new ones.



We also re-graded a small stretch where the center of the trail was getting like a little gully, so that's better now, too. And though a little muddy in spots, the trail's in good shape... so head out and enjoy!

The April Trail Day event unfortunately was rained out

Photo Contest Update: Winners to be Announced Soon!

The Friends' **2024 Photo Contest**, which was open to all park visitors since February 1st, was **closed** to new entries **on May 1st**. We are now in the process of collecting and reviewing the many fine images we have received.

Judging is expected to take place shortly and be completed by May 10th. Look to the Friends' website shortly thereafter for the announcement of the winners in each of the four contest categories.

Thank you to all who entered the contest!!

As was done last year, the winning images will be printed and displayed in the Visitor Center, and all visitors for a period of about 60 days will be able to view them and vote on their favorite. The photo that garners the most votes will receive the 'People's Choice Award.' Stay tuned!

Our New Director of Promotion & Outreach

The Friends of San Pedro Valley Park are extremely pleased to announce the newest addition to our Board of Directors. **Shane Kadlecik** has agreed to become our new **Director of Promotion & Outreach** and will focus his efforts on improving the promotion of the Friends' various volunteer activities and, in particular, bringing us into the 21st century by establishing our presence on social media. In his short time on the Board thus far, Shane has already rejuvenated our Facebook page (bet you didn't even know we had one!), established new Friends' accounts on Instagram and YouTube, set up a new online VC Host sign-up system using Google calendar, and even helped us with some IT issues on our website. You may recognize Shane's name from last year's photo contest. He won 1st place in three of the four categories and was named winner of the People's Choice Award as well! Please join us in welcoming Shane to the Board of Directors.

~~ May / June Calendar ~~

May Trail Day

Saturday, May 11 9 am

May Habitat Restoration Day

Saturday, May 18 10 am

Young: Sea Otters (webinar)*

Saturday, May 18 7 pm

June Trail Day

Saturday, June 8 9 am

June Habitat Restoration Day

Saturday, June 15 10 am

Lizard Lady Show

Thursday, June 20..... 3 pm

***(Reservation needed)**

>> FACTOID <<

Tough, Hungry and Successful Critter

Edwin Way Teale remarked in his 1937 book, *Adventures in Nature*, that as he was taking field notes with his fashionable ink pen, a wee sucking plant mite navigated the stream of ink on his paper. Onward it trod across the page. "Each



time it comes to the wet ink of a freshly written line, it pauses for a long time as though on the bank of an impassable river. Then I notice it's turning darker; the mite is

drinking the carbon ink!" Scurrying along with gusto, the black mite is as lively and as full of energy and speed as the red mite was!

And one mite with a body weight of .0007 grams was able to withstand a weight of 172g, about 250,000 times its body weight. Is this and its ability to absorb foreign substances part of the reason why these SPVP critters of the soil and plants, and champion predators and parasites, have 40,000 species in the world with an estimated 1,000,000 yet to be discovered?



— Carolyn's Corner —

LOPIN' ALONG the LOWER MONTARA (mid June, 2001)

In the beginning it's a bit tough for the native plant lover: though the trail is good and the eucalyptus attractive, the valiant cream bush with its ocean spray of milky flowers and pinkish buds is the only shrub that seems to thrive here and there among the layers of fallen leaves, branches, bark and capsule-like fruit of the tall blue gum's shade. Poison oak almost seems to fare better here; scattered blackberry vines trail throughout the litter. Into the light:

You'll see a couple of straggly bushes of this and that and a few of the yellow daisy-like herbs, the lizard tail, but around one bend you will come out into the sunshine again and the full community of coastal sage/chaparral plants with all their diversity will billow out before you: the coyote mint with its lavender flowers and fragrant leaves; thimbleberry with flatter than raspberry red fruits in season; bigger and better thriving California coffeeberry shrubs with their small, round berries now black; a radiance of red elderberries hanging in clusters under the light, bright green leaves, growing opposite one another and forming a tree-like shrub; red, fluffy Coastside Indian paintbrush sucking nutrients from the small-



Coyote mint

leafed Coyote brush; drought-tolerant bracken fern rising trailside on its long stipe; tiny yerba buena, our sweet-smelling ground cover, nestling between its companion plants.



Henderson's angelica

At each sunlit switchback of this path you'll see long-stemmed rosilla, with its bulging round, brown head and a corona of tiny yellow petals, a pretty composite of tiny disk and ray flowers. Some of the tall angelica with its large head of pom-pom white flowers may still be in bloom as you hit the trail in July. Another white flower flourishes here among its companions, the "pearly everlasting", with its dusky green pointed leaves; soon leaves and blossoms will dry out like a straw flower and show their beauty throughout the rest of our dry season: July, August, September....come hike the trail and look for the gems of June and early July, and make your own "finds" along our lower Montara Mountain Trail.

Sunday's SPVP Herb Walk

by Mila Stroganoff

A beautiful sunny day greeted us in San Pedro Valley Park on Sunday, April 21st for our first herb walk led by Veronica Pitbladdo. She is a knowledgeable herbalist who shared many interesting facts with us. We had a large group of folks who had decided to come on the walk and were very interested in what she had to say.

We walked the Trout Farm Trail and discovered a huge array of plants that have medicinal



photos by M. Stroganoff

properties. Everything was lush and green after the many rains that we have had over the winter. There were many invasives, too many to mention, in full glory, including poison oak. Veronica pointed out some poison oak so we would not confuse it with native blackberry. She also pointed out and named plants that can be used for treating various ailments, such as arthritis, digestive problems, sleeping disorders, bleeding, etc., and even brought some tinctures that we tasted. They tasted rather bitter. I learned some new common names for plants I had never heard of before. Latin names came into the conversation as well.



There are alternate ways to treating maladies and many people prefer herbal treatments as one of those ways. Students of herbology tend herb gardens and collect from them to make their tinctures. Veronica goes up to Petaluma to tend an herb garden that is associated with her school where she has been studying Herbology. One lady who was on the walk wrote and said, "Veronica was just the BEST." So, if we are lucky, we may be able to schedule another herb walk with her soon.

“Birding 101” Workshop Coming This Fall

The Friends of San Pedro Valley Park are pleased to announce a first of its kind workshop for us in Pacifica – a workshop entitled “Birding 101.” It’s a course for the beginning birder and will lay the foundation for the hobby of birding. The instructor is J.R. Blair, who is an avid birder and instructor on birding, and teaches this workshop at the San Francisco State University Field Campus.

The workshop will consist of 8 hours of instruction - 2 hours each on four separate evenings (Mondays and Wednesdays from 7 to 9 pm) - and 6 hours of field trips - 3 hours each on two separate Saturdays (9 am to 12 noon). This course will likely take place in late September and the beginning of October (specific dates have not yet been firmly established). A registration fee (yet to be determined) will be required to reserve your place. Registration fees will only be refunded if the workshop is cancelled.



Further information will be provided in the next newsletter and via email to members. If you wish to have additional information now, please contact Adrian at adrianstroganoff@sbcglobal.net

Heidi Perryman’s “Beavers: Return of the Engineer”

by Judy Bacon and Mark Golembiewski

On Saturday, February 3rd, the Friends of San Pedro Valley Park welcomed Heidi Perryman, Ph.D., a child psychologist who became an accidental beaver advocate when she started filming the beavers that showed up in her hometown of Martinez, CA in 2007. Heidi gave us a tremendously interesting and informative talk explaining how the beaver (*Castor canadensis*) has historically been a misunderstood rodent that actually greatly benefits the waterway ecosystems, including local wildlife, where they choose to reside. They are far from the destructive pests that many believe them to be. She informed us that it’s a great time to be talking about beavers in California right now because the state is undergoing a renaissance in its thinking about them.

Heidi began by taking us back to the early days of the European explorers and trappers coming to North America for the fur trade and nearly wiping out the beaver population - first in Europe, then traveling to Canada and the U.S. in pursuit of highly profitable beaver pelts and castor glands (sacs). Before the foreign trappers arrived, it is estimated that there were between 60 and 400 million beaver in North America - a beaver for every 3 km of stream. It was said that at one time there was a beaver “in every river, brook and rill.” They were everywhere! But then, in the late 1600s and the 1700s, trappers drove the exploration of Canada and then America and decimated the extensive beaver populations they found everywhere as they were easy to trap. An endless cycle of harvesting beavers began and continued unabated, resulting in a “war” among the explorers/trappers from various countries seeking the precious pelts, including England, France, Germany and Russia. This devastation entirely changed the landscape - it was, unknowingly, an ecological disaster in the making. When the beavers were trapped out of an area, there wasn’t any other creature who could maintain the dams left behind by the beavers. Their dams were eventually washed out, which released the water ponds that had been created behind them, completely changing the area’s resistance to drought. The water table beneath the stream also completely changed, and as a result of all these effects, the wildlife in the area was also altered.

Heidi next explained to us how beaver dams and ponds slow water movement in rivers and streams, acting like “speed bumps” in the normal water flow. She also described how the dams hold in sediment and organic matter, growing in weight as the dams/beaver lodges grow in size, such that the combined weight of the dams and the ponded water behind the dam creates changes in the aquifer below the beaver-affected area. The dams and accumulated materials also result in a more shallow river gradient with wider valley floors that contain richer soils, which also effects changes in the ground water below.

A prime example of the dramatic effects that from the extermination of beaver activities occurred in California in the 1860s. The period of 1840-1860 was a time of significant drought in the state. It was also a time by which beavers in California had essentially been trapped out. A great flood occurred in the Central Valley in 1862 after 43 consecutive days of rain took place - a highly unusual event. The entire area between Redding and Sacramento became an inland sea, causing great damage and destruction. Although no one thought about it at the time, research now shows that the lack of beavers was a likely contributor to this dramatic event. The “speed bumps” that beavers create were gone from the thousands of streams and rivers that empty into the Central Valley and thus were unable to mitigate the flow of water into the valley and limit the flooding.

(to be continued in next issue...)

Celebrating Earth Day 2024... Weeding & WhaleFest!!

by Sharron Walker

Native Plant Garden Weeding & Planting



Earth Day has been celebrated by the Friends of San Pedro Valley Park for the past several years by weeding & planting in our Native Plant Garden and other areas around the Visitor Center. This year, a small but mighty group showed up on Friday, April 19 to concentrate on the garden! Mark, Melanie, Istvan, Judy, Brian, and I tackled the weeds that are overtaking the native plants there.

In order to maintain the garden the way it should be cared for, we would like to make this a monthly event. So, if you have an interest in helping us maintain the Native Plant Garden, let us know. The garden is a wonderful resource for learning about the native plants that grow in our park. It needs our support and care! Join us in showing some love for, and taking care of, our NPG on a regular basis and not simply once a year on Earth Day!



(all photos by S.L. Walker)

The WhaleFest!!

After four years of not celebrating Earth Day due to the COVID-19 pandemic, the Pacific Beach Coalition held its “**WhaleFest**” event on Saturday, April 20 at Linda Mar State Beach. In past years, the Coalition’s Earth



Day celebration was known as the “Eco Fest,” which traditionally has been held after the group’s city-wide, morning clean-up activities. This year’s WhaleFest event - celebrating the wonder of whales just off our beaches and the critical importance of ocean conservation - was very well attended. Twenty-six booths filled with a variety of exhibitors and vendors ranging from environmental groups to city organizations surrounded a lot of great kids’ activities at south end of the parking lot.



The Friends of San Pedro Valley Park joined in exhibiting with the San Mateo County Parks Foundation at their booth. We appreciate Michele Beasley’s (Executive Director of the Foundation) invitation to do so! Mark, Melinda, Bevan, Shane and I “manned” the booth and interacted with many folks who stopped by to learn more about SPVP. Alongside of us were the folks from Fitzgerald Marine Reserve, and next to them was a booth touting the California State Parks. So our parks were well represented!



(all photos by S.L. Walker)

There was a lot of interest in San Pedro Valley Park and we had a number of new volunteer sign-ups! A fun and important community event in Pacifica! And the weather cooperated! What had been forecasted to be overcast conditions with possible drizzle, turned out to be a gorgeously warm, sunny day, with little to no wind, a calm ocean, and lots of surfers at our back just off the beach - perfect conditions for beach clean-ups and a fest by the sea!



On The Nature Journaling Trail

by Sharron Walker

The San Pedro Valley Park Nature Journalers meet monthly at the park, as you know from this regular page. Each month we “nature journal” to a different prompt. At our last meeting, we looked at the color green. Why? Because, as you have surely noticed, green is everywhere. Have you ever asked yourself how many different greens there are in nature?

From my research, I found there are around 300 shades of green, and those differ in hue, chroma, brightness or a combination of these qualities. But in reality, the numbers are endless as color depends on the quality and quantity of the light they reflect. So why is green in nature? Well, nearly all leaves and other plant parts contain chlorophyll, which gives plants their green color, and that green color allows plants to absorb light and provide energy for photosynthesis. And we know photosynthesis is necessary for plants to grow! A simple definition, but in contrast, trying to create greens to illustrate plants is not simple!

Thus, the color green for our prompt! The photo at right shows Paula Martin, one of our nature journalers and a member of the Friends of San Pedro Valley Park, checking out our nature journal pages of “Green.”



(all photos by S.L. Walker)



Last fall, the San Pedro Valley Nature Journalers proposed a Tree Plaque Project to the San Mateo County Parks Dept. At that time, Parks was initiating new efforts to expand their county-wide interpretative program to provide more information to park visitors. We thought it might be a helpful idea not only to have the names of trees posted in our park, but to have those postings consist of a nature journal-like plaque to provide more information about those trees. Our project proposal was accepted by Parks and ten nature journalers from our group have been working diligently on ten “tree plaque pages.”

The photo at left shows Annie Blair and new member Vivian Walz checking out several of the tree pages. The completed pages have been turned over to Katherine Wright and her Interpretive Staff at Parks, who will work to transfer the pages to weather-resistant plaques that will be mounted on posts and

placed at the trees, which are located around the south parking lot at SPVP. This project is a “work in progress” and the completion of the plaques and their placement in the the park will be announced at some point in the near future. Our goal is to have the pages/plaques posted at the identified trees so that visitors to SPVP can not only learn the names of trees, but obtain more information about their characteristics and features.

For more information about nature journaling in our park contact me: sharronlee@aol.com.

We Need Volunteers!!

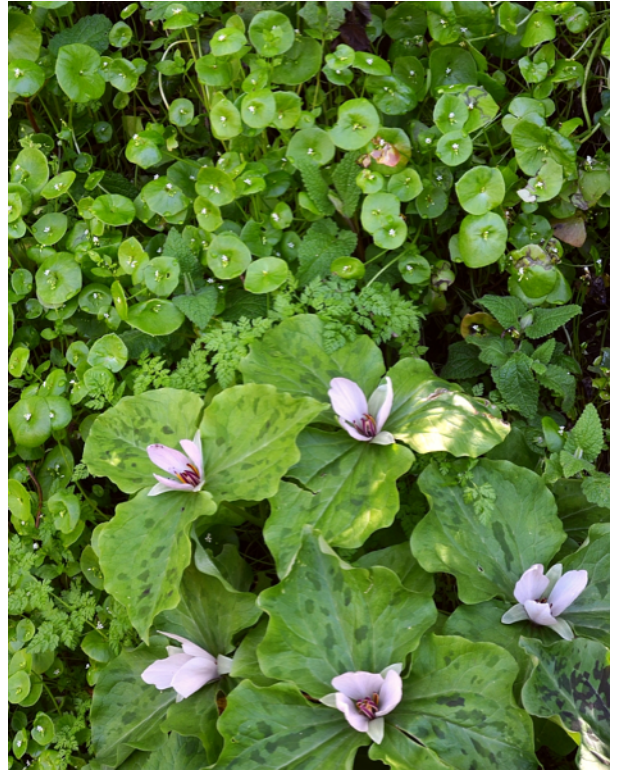
The Friends of SPVP are continually looking for new volunteers to join the small, but dedicated, group of individuals who now contribute to our activities on behalf of the park. If you are interested in learning more about how you can help us out and give something back to wonderful SPVP - whether it's being a host at the Visitor Center on weekends, or helping us to maintain the trails, or removing invasive plants each month - **please contact President Judy Bacon** or our **Visitor Center Host Coordinator, Carl Schwab**, or any of the members of our Board of Directors (listed on page 2; our Friends email address is also listed there).

We'll be more than happy to speak with you about our various volunteer opportunities.

Spring Beauties in SPVP by Bing Huey



Douglas iris
along the Hazelnut Trail
taken on 3/27/24



Trillium and Miner's lettuce
along the Hazelnut Trail
taken on 3/14/24



Wood anemone
along the Hazelnut Trail
taken on 3/14/24



Fritillary (Mission Bells)
along the Hazelnut Trail
taken on 3/27/24

Behold the Small and Fascinating in the Park by Bing Huey



Group of echo blue butterflies
hydrating

taken on 3/14/24
along the Weiler Ranch Road Trail

Western white-ribbed carpet moth
(*Mesoleuca gratulata*)
taken on 3/14/24
along the Hazelnut Trail



Slender woollyheads
taken on 4/07/24
along the Brooks Creek Trail