

Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 50, No. 9

NOVEMBER 2017

Adventures with Citizen's Rare Plant Watch

by Kris Freitag, Rae Selling Berry Seed Bank & Plant Conservation Program

Snow-blind, I tripped, then—
Nose to stigma with a flower!
Shaken by Springquake.

From Florence to Seaside, from the Columbia Plateau to the Ochocos, Citizen's Rare Plant Watch (CRPW) volunteers visited some of Oregon's most cherished natural areas this year. We also fulfilled assignments in places where the native flora is particularly challenged by invasive species and human-caused

impacts. Nearly 40 volunteers participated in 2017, visiting more than 20 rare plant populations to update old population data or to document newly discovered sites.

I am the current coordinator of this volunteer based program, originally a program of the Native Plant Society of Oregon (NPSO). It is now part of the Rae Selling Berry Seed Bank & Plant Conservation Program (RSBSB) at Portland State University. I am grateful to receive a program so well established by NPSO volunteers Erin Gray and Jason Clinch. Their earlier work gave CRPW

an excellent start among local passionate plant people. Jason, who is still active with CRPW, especially built "infrastructure" and cultivated valuable relationships with local public land managers.

My second full season as coordinator is now drawing to a close. It was another eventful one, starting last winter, even as cold as it was! In February, I watched the calendar, conferred with seasoned botanizers and public land managers and began to put together a schedule of monitoring trips.

Planning a field season is a dance with the weather, past and present. Could I conclude that since winter had been so cold and wet, the earliest blooms would be starting about two weeks later than the previous spring? What was the all-important spring season going to throw at us? Besides bloom time, I also had to factor in: (1) state ranking of species sensitivity (just how "rare" is it?), (2) distance of plant population from Portland (source of my main volunteer pool), (3) responsiveness of the land manager (who often has

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IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew for 2018. To find out whether you need to renew, please look at your address label on this issue of the *Bulletin*. If 2017 appears along the top edge of the label, you need to renew before February 15, 2018 to ensure that you do not miss out on any of the *Bulletins*. If the year is absent (i.e. top of label is blank) or if you see 2018, 2019, or a later year, ignore this notice—you do NOT need to renew at this time.

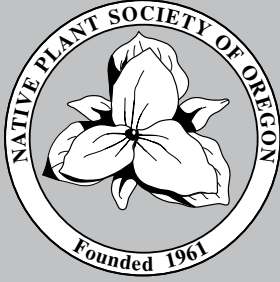
Please use the remittance envelope in this issue of the *Bulletin* to send in your dues, or use the membership form on the inside back page if the envelope is missing. Alternatively, you can renew online at npsoregon.org/online.html.

It's also a great time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Augusta Rockafellar and Jean Davis Memorial Scholarships are awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

Reminder: the post office box for membership has changed. All membership inquiries and check payments should be sent to the general business address: Native Plant Society of Oregon, Attn: Margaret Conover, Membership Chair, P.O. Box 902, Eugene, OR 97440.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join, send a message to majordomo@tardigrade.net, with the following in the body of the message: `subscribe npsos`

General Business Address and Membership Inquiries

P.O. Box 902
Eugene, OR 97440

Send Membership inquiries Attn: Margaret Conover, Membership Chair

To correspond directly with Officers and Committee Chairs, see the list on the inside of the back page.

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are:

1. To stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state.
2. To promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Research proposals are due annually by March 1. The guidelines are available on-line at: www.npsoregon.org/grants.html. For a paper copy of the program policy and guidelines, contact:

Dan Luoma
Field Research Grants Committee Chair
5 NW Edgewood Dr.
Corvallis, OR 97330
541-752-8860

Mark Your Calendars!

NPSO Annual Meeting 2018

**Please Note the New Date:
June 1–3, Friday–Sunday**

Co-hosted by the Portland and High Desert Chapters in Prineville.

Take Your Best Shot!

And submit it to the 2018 Native Plant Appreciation Week Poster Photo Contest. We want to have a glorious poster, so we need your excellent photos of Oregon's native flora. You can find complete contest rules at: npsoregon.org/photocontest.html. Photos must be submitted by December 15, 2017. You submit photos in the Photo Gallery at: npsoregon.org/photos/v/2018NPAW. Don't delay; upload your photos now. If you have any questions, please email Judi Sanders, judi.sanders@gmail.com.

NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.



NPSO CALENDAR

State Notes

NPSO State Board Meeting

The next state board meeting will be in January at the OSU campus in Corvallis.

NPSO Annual Meeting 2018

June 1-3, Friday-Sunday

The next Annual Meeting will be co-hosted by the Portland and High Desert Chapters June 1-3, Friday-Sunday, in Prineville.

Blue Mountain

For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOoregon.org.

Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second street.

November 16, Thursday, 7 pm

Program: Inventory of Roadside Vegetation in Yamhill County. This summer, using a geographic information system, two interns from Oregon State University mapped native plants, invasive plants, and erosion on Yamhill County roadsides. Students Russell Barlow and Declan Pizzino will present the results of this project, with Susan Aldrich Markham, a lifetime NPSO member and also a member of the county's Roadside Vegetation Management Technical Advisory Committee. Based on their findings, learn how vegetation along local roadsides could be improved and how interested citizens can help by reporting significant populations of native plants. Note

this November meeting is on the third Thursday, instead of the usual fourth of the month. Location: McMinnville Public Library, see above for details.

November 18, Saturday, 9-11 am

Work Party: Native Plant Garden.

Notice the new, earlier time. New volunteers are welcome. This demonstration garden needs only a couple hours'

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at http://npsoregon.org/documents/NPSO_waiver.pdf. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

work around the Carnegie Building by a congenial crew each month. Dress for the weather and bring gloves, bucket, and gardening tools if you have them. Location: McMinnville Public Library, see above for details. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

There will not be a chapter meeting in December.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact co_president@NPSOoregon.org.

November 4, Saturday, 8 am-4 pm

Field Trip: Fungi Collection. Wear weather appropriate clothing and bring a lunch and water. Bring waxed paper or paper sandwich bags to hold the fungi, maybe a basket. Location: meet at the OSU Wilkinson Hall parking lot on the SW corner of 26th and Monroe, across from the Monroe Beanery. For more information contact Dan Luoma at luomad@fsl.orst.edu or 541-752-8860.

November 13, Monday, 7:30 pm

Program: Cone Peak Research. Bob Ross, instructor and researcher at LBCC, will discuss his work on Cone Peak, investigating the various forces that determine where plants are growing versus where they are not. The landscape is being manipulated by gophers, but many other factors play into it as well. The talk will be richly illustrated with photos. Location: Room 2087, Cordley Hall, OSU. For information contact Judi at judi.sanders@gmail.com or Louise at 541-753-0012.

Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

November 18, Saturday, 6:30 pm

Program: Meadow Restoration on the

Middle Fork District. Botanist Molly Juillerat of the US Forest Service will focus this talk on maintaining meadow species and plant diversity. Come see how the Middle Fork is restoring meadows to encourage and diversify plant and animal species. Molly began her career with the National Park Service. She worked as a botanist at Crater Lake and then in Hawaii. She has also worked for the BLM in Oregon and Willamette National Forest. Location: M.L.I. room, Building C of the Amazon Community Center at 2700 Hilyard in Eugene. For more information call 541-954-5334.

Filipendula

This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, colecarla@yahoo.com.

December 5, Tuesday, 5 pm

Potluck: Slides and Snacks. Our annual 'what we saw' slide show for 2017, plus what we are looking for, and trip plans for 2018. Bring your images on a jump drive to share and potluck snacks. Location: Lewis & Clark National Park, Fort Clatsop Visitor Center, Netul Room. Contact Carla Cole, colecarla@yahoo.com, for more information.

Save the Date!

February 24, 2018, Saturday, 7 pm

Lichen Night Hike

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, kb_president@NPSOregon.org.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at donjphoto@gmail.com.

Facebook: Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland.** We will meet in **Copeland Commons**; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

November 9, Thursday, 7 pm

Program: Seed Collection of Pollinator Plants in Mt. Hood National Forest. Michael Krochta of Bark, a grassroots organization committed to the restoration and preservation of Mt. Hood NF, will give us the background of the group and how they work with the USFS botanists to collect seeds of native pollinator plants to replant and restore pollinator habitat on Mt. Hood. Location: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St, see above for details.

December 14, Thursday, 7 pm

Program: Members Annual Holiday Slide Show and Potluck. No regular program is scheduled, but every member with flower photos from their travels can show them off on the big screen! Bring a potluck item to share (choose from a beverage, main dish, salad, or dessert) and bring on the cheer! Location: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St, see above for details.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to

announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2018, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).

November 16, Thursday, 7 pm

Talk: Fish and Flora. The Rogue Valley is known for many wonderful things—great recreation, excellent food and drink, and beautiful scenery everywhere you look. To a specific set of people, the Rogue Valley is also known for salmon and steelhead fisheries as well unique flora. Alexis Brickner of the Rogue River Watershed Council (and NPSO) will talk about why fish need native plants and vice versa. She will explore the importance of vegetation around our streams and lakes, how it relates to declining fish populations, and what is being done in the Rogue basin to restore native ecosystem services. Refreshments at 6:45 pm, meeting and program at 7:00. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis, alexis.brickner@gmail.com or 860-878-2049.

Umpqua Valley

Visit umpquavallemnativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-459-2821.

Willamette Valley

For program information, contact John Savage at 503-399-8615.

November 9, Thursday, 6-7 pm

Program: The Good, the Bad, the Beautiful—the Many Facets of Diatoms. What is the size of a speck of dust, filters water, and provides us with every fifth breath we breathe? Answer: tiny algae plants known as diatoms that build ornate glass shells of silica. NPSO member Rob Kimmich will discuss the role of diatoms in environmental

assessment, their benefits, a toxin they can produce, and a particular species that has become a major nuisance in streams around the world. Rob has been studying diatoms intensely over the past seven years. He moderates a diatom forum and contributes to the Diatoms of the United States online resource. Cost: \$5 suggested donation at the door. Open to the public, no reservations required. Location: Eco Hub, Willamette Heritage Center, 1313 Mill Street, Salem. For more information, call 503-779-5227 or email info@StraubEnvironmentalCenter.org.

William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.



Mud at the Thumb

Adventures, *cont'd*

the most detailed records of the site) and (4) accessibility of the site (which may lie beyond impassable roads, unwade-able waters, precarious terrain or locked gates).

At this point, in choosing targets for group trips, I also take into consideration the ease of identifying a species, which more often than not excludes “grass-like” species. There are so many populations of blatantly “charismatic” species that have not been documented in decades that I tend to select these as targets. Similarly, there are many desirable destinations, which I believe makes recruiting volunteers for a particular trip easier. Many a location description from the occurrence records of the Oregon Biodiversity Information Center (ORBIC) includes the word “roadside.” However, such destinations are less likely to yield up an extant population, so I typically place them at a lower priority, unless requested by a land manager.

In March, as the flurry of planning increased, *Meconella oregana* made its usual appearance in my mind. The diminutive white *Meconella* has been part of my March experience since the first time I encountered NPSO botanizers seeking it below the Memaloose Overlook. Upon taking on CRPW, I became aware that some individuals had made this tiny beauty an ongoing project. Although not found widely in Oregon, or Washington or California

where it also occurs, it *is* locally common and is frequently found when sought for in suitable Gorge habitats. I had access to the historical records of white *Meconella* populations, and so I consulted with stellar plantsman and photographer Paul Slichter about its suitability as an early season target this year.

However, the cold continued through March, and we held our spring training in mid-April before I finally took a group of three out to Stanley Rock in the Gorge the third week of April. Incredibly, the white *Meconella* was still blooming among the grasses and other low forbs. The plant was such a blast to find, almost unexpected because the flower is so small and nondescript. Luckily, its distinctive bright green fruits stand out to the sharp eye, to give positive identification to even the newbie.

We had a full house at our volunteer training in April, comprising avid plant people, retired professionals and citizen scientists exploring the local options. Wendy Gible, of University of Washington’s Washington Rare Plant Care and Conservation (Rare Care), was co-instructor and generously donated precious time during her busy spring. Having managed the Rare Care program for 15 years, Wendy knows well the value of a clear curriculum and has provided great guidance to us. In the training, we covered safety

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Meconella oregana

Adventures, *cont'd*

in the field, techniques for estimating the size of plant populations, necessary equipment, site visit protocol, instructions for filling out the survey form and many other topics. I very much appreciate that although a number of Wendy's volunteers have also become involved with CRPW, she is very supportive of our effort, demonstrating how little place competition has in our collective goals for Cascadia.

With the training and our first monitoring trip behind us, the season was well launched by late April. Although I continued to receive warnings of snow-blocked roads and buried sites, we worked our way up in elevation over the next few weeks. In the nature of field work, things went FAST once they started. Working in spitting rain in the Gorge in April gave way to a hot day in May documenting stiff milkvetch (*Astragalus conjunctus* var. *rickardii*) on the Columbia Plateau. By the end of May, we finally ventured into the Cascades with a search for purple sicklepod rockcress (*Boechea atrorubens*) at Bald Butte.

I remember the trips this season as a string of jewel-like days, hunting for treasure, although there were many grueling moments. One rainy day in April, two of us searched in vain for



KRIS FREITAG

Boechea atrorubens

cliff dwarf-primrose (*Douglasia laevigata*) in sliding scree at Mitchell Point, guided largely by a map from the Oregon Parks database that showed only a large circle of "potential" habitat. Finally, we used binoculars to find the plants where Jason told me they had *actually* been spotted, high up on the cliffs along I-84. We were able to count the ones we could see, record GPS coordinates and update the official records for this lovely cliff-dweller.

I am pleased with the success of this season's group efforts. We kept groups small (5 max) and thus flexible and focused. We had hands to mark coordinates, eyes to look for our target, and individuals to deploy measuring tapes and quadrat without people feeling at loose ends. This year we also acquired two new independent monitors. I provide such trained individuals with necessary documents and maps and clear their activities with land managers. They select from a list of target sites, set their own schedules and collect data, returning the results to me.

One such volunteer, Cindy, lives in Florence and was once a rare plant monitor in Wisconsin. She took on assignments in and near the Oregon Dunes out of sheer love of the work. Rebecca is an artist in Bend, with a particular interest in painting rare plant species while providing a skilled eye in the field. Such individuals enable us to extend our efforts to farther-flung parts of Oregon than we typically travel to in groups.

We also acquired a new trip leader in volunteer Roger Brewer, who led a successful search for *Erythronium elegans* in the coastal foothills. Whether as an independent monitor or leading a group, a trip leader has to run with whatever resources are available. This

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KRIS FREITAG

CRPW volunteers at The Thumb



ROGER BREWER

Erythronium elegans

Adventures, *cont'd*

may be no more than a hand-drawn map, a brief description, and a set of GPS coordinates that indicate the center of a very large circle where the population “may” occur. As was the case with Roger’s trip, the supporting materials may alternatively consist of quite good maps and reports if the land manager is interested in updating sites that have received more recent visits. I have found that flexibility, a minimum skill with GPS devices and software, and dedication to providing useful data are essential in this work.

In another example, four of us responded to a request by Marty Stein of the Siuslaw National Forest to visit a population of hairy stemmed checkermallow (*Sidalcea hirtipes*) at The Thumb, a headland meadow near Lincoln City. This was a dreamy assignment. It was a bit of a challenge to discover the trail access point using Marty’s instructions, but once we embarked and waded in mud a while (which added to the challenge!), we found ourselves in a flowery meadow overlooking the Pacific Ocean on a sunny spring day. Surrounded by countless checkermallow blooms, I might add. Not that we didn’t *try* to count them, that being part of our job. This was one of three times this season that conditions were appropriate for using the systematic sampling technique Wendy taught us to estimate population size.

After verifying the identity of the plant, we split up the task of determining and logging the perimeter of the population. This was fairly straightforward, bounded as the meadow is by sharp drop-offs. To finish up, we went through the survey form, filled out the

fields and thoroughly enjoyed a day at the coast.

Searching without finding our target species is also data, however unsatisfying it might seem. Sometimes due diligence means being “skunked” in our search of a particular area so we can collect data that may spare another the same effort in the future. Only once this season were we entirely skunked. In July, three of us looked for a small population of Henderson’s checkermallow (*Sidalcea hendersonii*) at Nestucca Spit that had not been documented for 30 years (See the excellent 2005 *Kalmiopsis* article by Melanie Gisler and Rhoda Love, for more about the coastal populations of *S. hendersonii*. This article is available online at <http://npsoregon.org/kalmiopsis/kalmiopsis12/checkermallow.pdf>). The location of this tidal marsh dweller, described in the old records, had been translated to GPS coordinates for mapping. On the map, the resulting polygon was situated squarely in the hind dunes of Nestucca Spit. One challenge of this work is not knowing how accurately an old element occurrence polygon has been indicated on a map. In addition, the dynamic nature of coastal ecosystems

and shorelines means that drastic changes may actually have occurred in intervening decades.

We duly visited the mapped polygon anyway, pushing through well-established and tragically overgrown Scotch broom, to no avail. With the help of Celeste Lebo, Oregon Parks and Recreation Department (OPRD) natural resource specialist for the Central and North Coast, and her volunteer youth crew, we also swept south through the salt marsh, along the tidal flat. Nothing. The conditions appeared to be far from what they were 30 years ago, and the approximately 45 Henderson’s checkermallow plants found then were apparently no longer on Nestucca Spit.

In August, three of us found a similar but more heartening situation at Netarts Spit, while searching for saltmarsh birdbeak (*Chloropyron maritimum* ssp. *palustre* (syn. *Cordylanthus maritimus* ssp. *palustris*)), in our final (and most adventure-filled) trip of the season. Historical records described a healthy population of this plant in the salt marsh near the north end of Netarts Spit. Barring a helicopter flight, our options were to take a boat across from the town of Netarts or to

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ROGER BREWER

Sidalcea hirtipes

Adventures, *cont'd*

walk several miles from Cape Lookout State Park and back. We decided on the hike; luckily a friend in Tillamook offered us a meadow to pitch tents on, saving us the round trip from Portland on the same day.

Taking the fast route up packed sand on the ocean side of the spit entailed an eastward crossing through dune vegetation to get to the salt marsh near the north end. It was a little comic blundering through the small pines, spruces and sedges, but we employed our GPS devices to good effect. We found a small but dense population of the plant right where we expected and hoped to. The eroding margin of the salt marsh was thick with the subtly lovely, purple hemiparasite, with the population thinning from the tidal flat and into the competing grasses.

But as at Nestucca, a report of more than 25 years ago also placed a subpopulation of our plant in an area that is now solidly populated with hind dune vegetation. We searched and found nothing there, and no additional occurrences of our target as we swept the salt marsh toward the south. As the day began to wane, we made the decision to cross to the beach side of the spit. After perhaps an hour and a half of bushwhacking the Sitka spruce



KRIS FREITAG

Chloropyron maritimum ssp. palustre

forest took us to the beach, through often excruciatingly dense salal, ever-green huckleberry, and California wax myrtle. We watched the sunset on the beach and thought with gratitude of our tents so nearby.

Our season was cut short by the terrible fire in the Gorge—Columbia cress (*Rorippa columbiae*) is a late season bloomer in the Gorge we had been

waiting to seek out. The closures and disruption in the Gorge prevented us. But all told, this has been a very satisfying season. We have deepened connections to our bioregion and people who feel the ties of love and responsibility. We have provided useful data to managers of Oregon's public lands across about one-third of the state, some of which can be of use right away. For example, three days after our final trip at Netarts Spit, OPRD Botanist Noel Bacheller asked if we had collected data there, as he had an immediate need for current information. He also requested updated information for populations of Tygh Valley milkvetch (*Astragalus tyghensis*) that we had collected in May. That was deeply gratifying.

The desire to do good and a love of our region's natural endowments takes us to these seldom-seen beauties, but we can't let sentiment blind us to the real need for practical and scientific work. In the end, it is the sometimes routine, sometimes grueling effort that may bring the world we hope for. But it's still a great time. If you would like to get involved with Citizen's Rare Plant Watch, please contact me at kfreitag@pdx.edu. We already have a long list of sites lined up for next year!



KRIS FREITAG

Astragalus tyghensis

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____ State _____ Zip+4 _____
 Phone _____ E-Mail _____
 Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____
 City _____ State _____ Zip+4 _____

Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Native Plant Society of Oregon
Margaret Conover, Membership Chair
P.O. Box 902
Eugene, OR 97440

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

- New Renewal
 Student – \$12 Regular – \$25 Family – \$35
 Sustaining – \$60 Patron – \$125 Life Membership – \$500
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Fund	\$ _____
Augusta Rockafellar Memorial Scholarship	\$ _____
Rare and Endangered Plant Conservation Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to Membership@NPSOregon.org.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

DIRECTORS..... Thea Cook Jaster, Michael McKeag, Zak Weinstein (to 6/2018); Dawn Anzinger, Alexis Brickner, Esther McEvoy (to 6/2019)
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 IMMEDIATE PAST PRESIDENT..... Kelli Van Norman..... past_president@NPSOregon.org
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CHAPTER PRESIDENTS

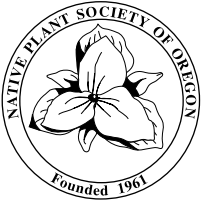
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