

## Appendix B: 2022 PSI Facebook/Instagram Posts



Pacific Shellfish Institute

June 23 · 🌐

What an amazing kick-off to the "What's Blooming?" season! The sun was shining and the Farmers Market was hopping. Many folks ventured down to Port Plaza to check out the plankton. Maitreya, an ultra-enthusiastic young scientist, pronounced, "there is an entire village of plankton" on her slide! The barnacle larvae and tintinnids (Maitreya named one after herself) were prolific as well as Noctiluca. So, splash around in the water this week and enjoy a bioluminescent night show!

Join us next Thursday (1-2 PM) as we sample at Woodland Creek Community Park in Lacey. For more information and a complete schedule, check out StreamTeam's Summer Newsletter or PSI's What's Blooming Page at [www.pacshell.org/whats-blooming-in-budd.asp](http://www.pacshell.org/whats-blooming-in-budd.asp). Hope to see you this summer!



Pacific Shellfish Institute

July 1 · 🌐

What an exciting "What's Blooming?" day yesterday! We started off the morning in Budd Inlet where Dinophysis concentrations increased from 42 to 9,780 cells/L in one week! Stay tuned to see if this spike results in a Diarrhetic Shellfish Poisoning (DSP) closure.

In the afternoon, we dipped our nets into Longs Pond and Woodland Creek in Lacey. Special thanks to Alijah and Aaliyah for your help and enthusiasm! It's hard to look at water the same way after you see what's living in it. You're never swimming alone. 😊 Join us to find out What's Blooming next Thursday from 1-2 at Tumwater Falls Park. For more information, visit [www.pacshell.org](http://www.pacshell.org) and click on the pink dinoflagellate.





Pacific Shellfish Institute

July 8 · 🌐

Yesterday was a double header "What's Blooming?" day! Wahoo! We dropped our plankton net at Tumwater Falls Park and Port Plaza. The Falls churned up plenty of sediment, but also *Closterium* (green bananas!) with tips full of "dancing" gypsum crystals – so cool!

Thank you, Olympia Community Sailing campers, for your help collecting SoundToxins samples. It was a zooplankton bonanza!! *Dinophysis* (a toxin producer) numbers plummeted from 9,000 cells/L to 400 cells/L this week. Good news indeed.

Join us next Thursday at Port Plaza (1-2PM) to find out What's Blooming in Budd!



Pacific Shellfish Institute

July 14 · 🌐

Have you seen the reddish-brown water in Budd this week?! Visibility was less than 1-ft this morning! What you're looking at are *Heterosigma akashiwo*. These teeny-tiny flagellates (so small they pass right through the plankton net) sometimes bloom during mid-summer when temperatures start to heat up. They are known finfish-killers, especially for fish raised in net pens. Under a microscope, the cells look like small cornflakes rolling, twirling, and constantly changing directions. Thank you, Evie, J, Phoenix, Houston and Lincoln, for collecting plankton samples during the minus 4-foot tide at Port Plaza today!

For more information about this week's interesting bloom, visit [www.pacshell.org](http://www.pacshell.org), click on the pink Protoperdinium, and then What's Blooming This Week?







Pacific Shellfish Institute

July 21 · 🌐

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Last week's reddish-brown *Heterosigma* bloom came and went! Today, the water was clear and full of zooplankton and small dinoflagellates. Thank you to everyone that helped sample today. Your enthusiasm was contagious! For details on today's sampling, visit [www.pacshell.org](http://www.pacshell.org), click on the pink *Protopteridinium*, and What's Blooming This Week.

Do you wish you had a microscope? PSI is partnering with the Olympia Timberland Library to offer "Discover Plankton Lendable Kits" as part of TRL's Library of Things collection. The kits will include a plankton net, microscope, secchi disk, ID sheets and more! The kits arrive today and the kits should be available to check out in a couple of weeks!!! Stay tuned!! Thank you, Keta Legacy, for funding this project!



Pacific Shellfish Institute

July 28 · 🌐

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Have you ever been to Lake Lawrence outside of Yelm and Rainier? What a lovely lake. Dragonflies zipping around and bald eagles calling from the treetops. It was scorching at the boat launch today and the water wasn't exactly refreshing at 28.3°C, or 82.9°F. Yowzers! Check out What's Blooming this week in Lake Lawrence and Budd Inlet at [www.pacshell.org](http://www.pacshell.org). Click on the Pink *Protopteridinium* and What's Blooming This Week.





Pacific Shellfish Institute

August 6 · 🌐

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The temperature was 70°F outside and 78°F in the water at Long Lake on Thursday! The plankton were amazing with hordes of 3-pronged Ceratium and rotifers. In Budd Inlet, Akashiwo and Protoceratium have made an appearance. We'll be sure to keep an eye on these 2 species in the weeks to come. For more information and photos of What's Blooming, be sure to check out [www.pacshell.org](http://www.pacshell.org) and click on the Pink Protoperidinium.



Pacific Shellfish Institute

August 14 · 🌐

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Thank you, Evie Fagergren, for hosting this week's "What's Blooming?" event at Port Plaza! We were also fortunate to have photographer, Michele Burton, along to take photos for StreamTeam! Madeline, August and Olivia were a few of our amazing community scientists that helped collect water quality data and plankton samples. The dinoflagellates, Dinophysis, Akashiwo, and Protoceratium, were the harmful algal bloom (HAB) species observed rolling around on our slides at low concentrations. Learn more and view WDOH's DSP toxicity data for Budd Inlet by visiting [www.pacshell.org](http://www.pacshell.org), clicking on the pink Protoperidinium and What's Blooming This Week!







Pacific Shellfish Institute

August 19 · 🌐

"Oh man, these plankton are sick!" and "I love science!" were just a few gems that came out of yesterday's "What's Blooming?" event at Tumwater's Pioneer Park along the Deschutes River. The kids, including an entire soccer team (!), buzzed between microscopes with contagious enthusiasm. No Harmful Algal Bloom species were observed, so although they were totally "sick" they won't make you feel that way!

And check out these Poo-sitively amazing stewards! They volunteered to flag and scoop wayward dog poo piles along the river bringing awareness to passersby and their furry friends! You, too, can help protect water quality and even win \$250 by participating in SteamTeam's Puget Sound Starts Here Gets "REEL" Challenge @ [streamteam.info/pssh-gets-reel](http://streamteam.info/pssh-gets-reel).

Join us August 28th to dip a net in Millersylvania's Deep Lake!

Visit [www.pacshell.org](http://www.pacshell.org) and click on the pink Protoperidinium to learn more about What's Blooming!



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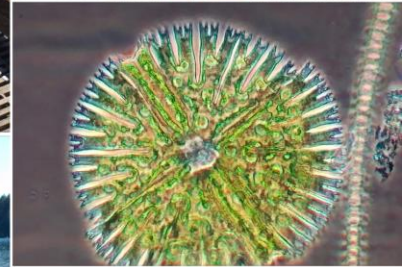
Pacific Shellfish Institute

August 26 · 🌐

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Pumpkinseed Sunfish...so many of them! These stunning fish were darting around swimmers' feet and schooling beside the dock at Millersylvania State Park. Kids caught and released about 10 in the time that it took to sample for "What's Blooming?" Deep Lake's water quality looked great with nice visibility, oxygen and pH levels. The plankton were incredibly diverse and no harmful algal bloom species were observed. Such a perfect place to swim (75°F), paddle, and relax along the shady shoreline.

For more plankton photos, visit [www.pacshell.org](http://www.pacshell.org), click on the pink Protoperidinium, and What's Blooming this week.





Pacific Shellfish Institute

August 31 · 🌐

Hey plankton enthusiasts! September 1st is our last Stream Team "What's Blooming?" event of the season. Join us at Port Plaza from 1-2 to see what's blooming as we near the end of summer.

We will also demo AND lend out one of PSI's Discover Plankton kits - first come first serve! But no worries if you can't make it. Starting tomorrow, you can also check out Discover Plankton kits from the Olympia Timberland Library for a 3-week period. Yes! Explore the fall plankton blooms with your very own microscope! Hope to see you on the dock!



Pacific Shellfish Institute

September 3 · 🌐

The last day of this summer's Stream Team sponsored "What's Blooming?" events was like the grand finale of a fire works show! So many people, so much plankton, so many harmful algal bloom species, so much fun! Thank you to everyone who stopped by the dock, to Stream Team for funding this program, and to all of you plankton enthusiasts that follow us at home. Visit our home page @ [www.pacshell.org](http://www.pacshell.org) to find out What's Blooming This Week.

PSI will continue collecting samples year-round for the SoundToxins plankton monitoring program (thank you Rose Foundation). Let us know if you, or your class/group, would like to join us on the dock and we'll be happy to host. Late afternoon and weekends OK. Also, why not view plankton from the comfort of your own home? The plankton continue to impress well into fall, so be sure to check out a Discover Plankton lendable kit at the downtown Olympia library. Happy sampling!







Pacific Shellfish Institute

September 30 · 🌐

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Join us tomorrow 11am-2pm at Huntamer Park for Children's Day! PSI will be there alongside Stream Team with over 50 other booths filled with games, activities, arts & crafts, entertainment, inflatables and more! Food vendors will be on-site. Event is held rain or shine!



Pacific Shellfish Institute

October 2 · 🌐

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Lacey Children's Day was a hoot! Lacey Stream Team and PSI joined forces to offer activities related to keeping Puget Sound clean and healthy. After all, we want our marine filter feeders to eat plankton and not dog poop or garbage! Kids fed mussels and barnacles live plankton, viewed plankton under microscopes, cleaned up a very dirty beach, learned about stormwater & recycling, tossed bagged poop into garbage cans, and pledged to pick up after their dogs! This was PSI's first time at this event, and we will definitely be back! So much fun!

