Botany of 4H Camp - March 7, 2020

Day’s overview.

* Intro,
	+ Wilderness trail safety,
	+ App, phone and data usage with iNaturalist,
	+ Brief review of “Flora of Las Posadas State Forest, Angwin, CA,” by Jake Ruygt of the Forest Service, date October 2009. Field searches for specimens conducted from 2007-2008 by the author.
* Field work,
	+ Treasure hunt for blooms,
	+ White Alder Riparian Forest near the campfire,
		- Macroflora, understory, and riparian exploration,
		- Bonus: kingdom Animalia,
			* newts and salamanders,
				+ *Taricha* *torosa*, California newt, almost in the riverbed, Pacific Coast endemic,
				+ [*Batrachoseps attenuatus*](https://www.inaturalist.org/taxa/27459), California slender salamander, a California endemic,
				+ [*Stenopelmatus*](https://www.inaturalist.org/observations/39686295)spp*,* [Jerusalem Crickets](https://www.inaturalist.org/observations/39686295),
			* banana slugs,
				+ *Ariolimax* spp*.*
			* California gall wasps,
				+ [*Andricus quercuscalifornicus*](https://www.inaturalist.org/taxa/55887), Pacific Coast endemic,
	+ Meet and greet with [Aimee Wyrick](http://sweetgum.nybg.org/science/ih/person-details/?irn=174779), Director and Curator of the Herbarium, and Chair and Associate Professor of the Department of Biology, Pacific Union College,
		- Herbarium overview, and plant press,
		- Student publications,
	+ Douglas Fir – Coast Redwood Forest,
		- Macroflora, unique locatin of these Redwoods, and genetics discussion
		- Bonus: arthropods,
			* *Atypoides riversi,* California endemic,
			* Turret examination,
		- Ferns biodiversity,
		- Bonus: fungi,
			* *Tremella mesenterica,* witch’s butter,
	+ Douglas Fir - Ponderosa Pine Forest,
		- Bonus: newts,
			* *Ensantina eschscholtzii,* West Coast endemic,
	+ Stream exploration at Arrow Flats,
		- Ferns,
	+ White Leaf Manzanita – Leather oak Serpentine Chaparral beginning near forest retreat,
		- Treasure hunt for wildflowers in chaparral,
		- Dwarfism, and summer drought ecosystem.

Overview of results in iNaturalist, with contributions from each of the users.

<https://www.inaturalist.org/projects/4h-botany-los-posadas-state-forest>

(filtered for date range 3/6-8/2020.

* Overview
* **94** OBSERVATIONS
* **41** SPECIES
* **23** IDENTIFIERS
* **3** OBSERVERS

After the field date, 139 Identifications have been added by the community to these observations, including the following,

* Top identifier of Sessile-flowered trilliums,
	+ [trscavo](https://www.inaturalist.org/people/trscavo) with 2318 IDs,
* Top Identifiers of Ensatina
	+ [alexb0000](https://www.inaturalist.org/people/alexb0000) with 689 IDs.
* Top Identifiers of Warrior's Plume, California native,
	+ [graysquirrel](https://www.inaturalist.org/people/graysquirrel), with2309 IDs.

Details of hike: 0.9 miles each way; elevation ascent +325 ft, and descent -235 ft.