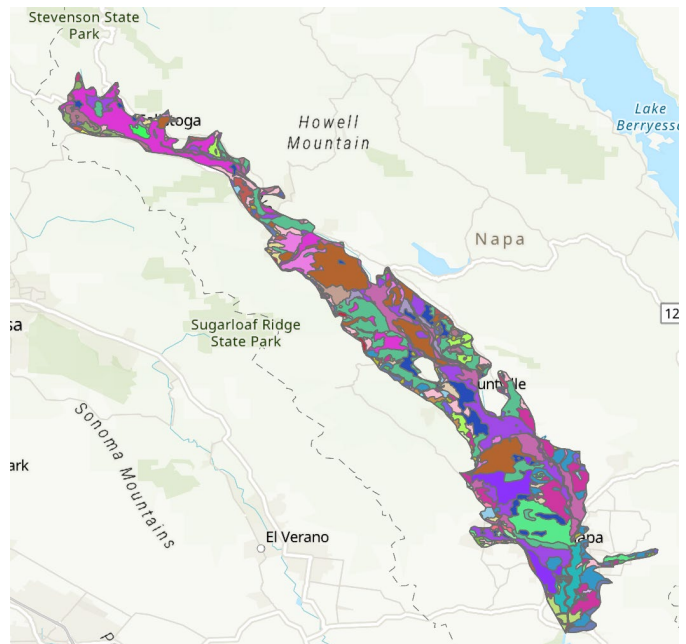
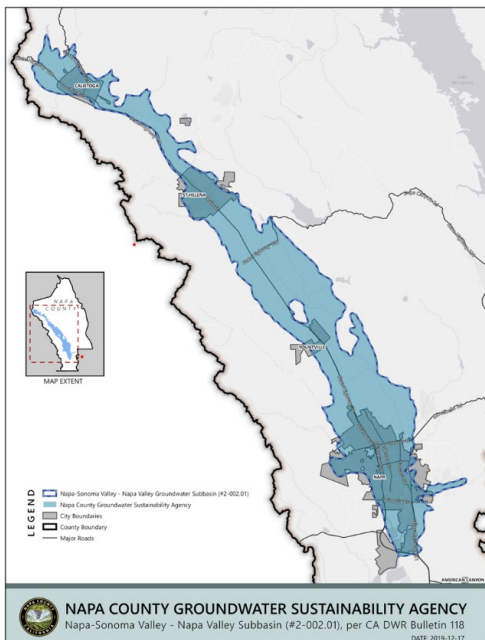
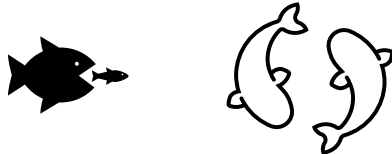


## Some quick facts of Napa water -

- Napa has **HALF** of the world's soil orders, with 33 soil series, and more than 100 variations<sup>1</sup>.
- You can look at the soil of your property using Web Soil Survey (<https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>), a NRCS-based web service for soil data retrieval.
- The Napa Valley Subbasin (see figure on the bottom-right) is one of the 46 high priority basins statewide<sup>2</sup>.
- Over 2,600 wells are taking water from the Subbasin(!!)



Napa Valley Subbasin (left) and the highly varied soils within (right)

- These fish and Crustaceans are endangered in Napa<sup>3</sup>
    - Delta Smelt
    - California Freshwater Shrimp
    - Conservancy Fairy Shrimp
    - Vernal Pool Fairy Shrimp
- 
- A changing climate (warmer temperature, swing between dry and wet years) requires adaptation. Strategies could include changing plant material, training systems and vineyard management.<sup>4</sup>
  - Where can you get water-related information and support?
    - Napa RCD
    - UC Cooperative Extension
    - City of Napa Water Division
    - Napa County Groundwater Sustainability Agency
    - ... (And More)

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Reference List:

1. Napa Valley Vintners;
2. Napa County Groundwater Sustainability Agency;
3. United States Department of the Interior, Fish and Wildlife Service;
4. van Leeuwen, C., Sgubin, G., Bois, B., Ollat, N., Swingedouw, D., Zito, S., & Gambetta, G. A. (2024). Climate change impacts and adaptations of wine production. *Nature Reviews Earth & Environment*, 1-18.