

Vernal Pool Management and Monitoring 2019



Parks and Recreation Department/ Open Space Division

Natural Resource Management





What is it?

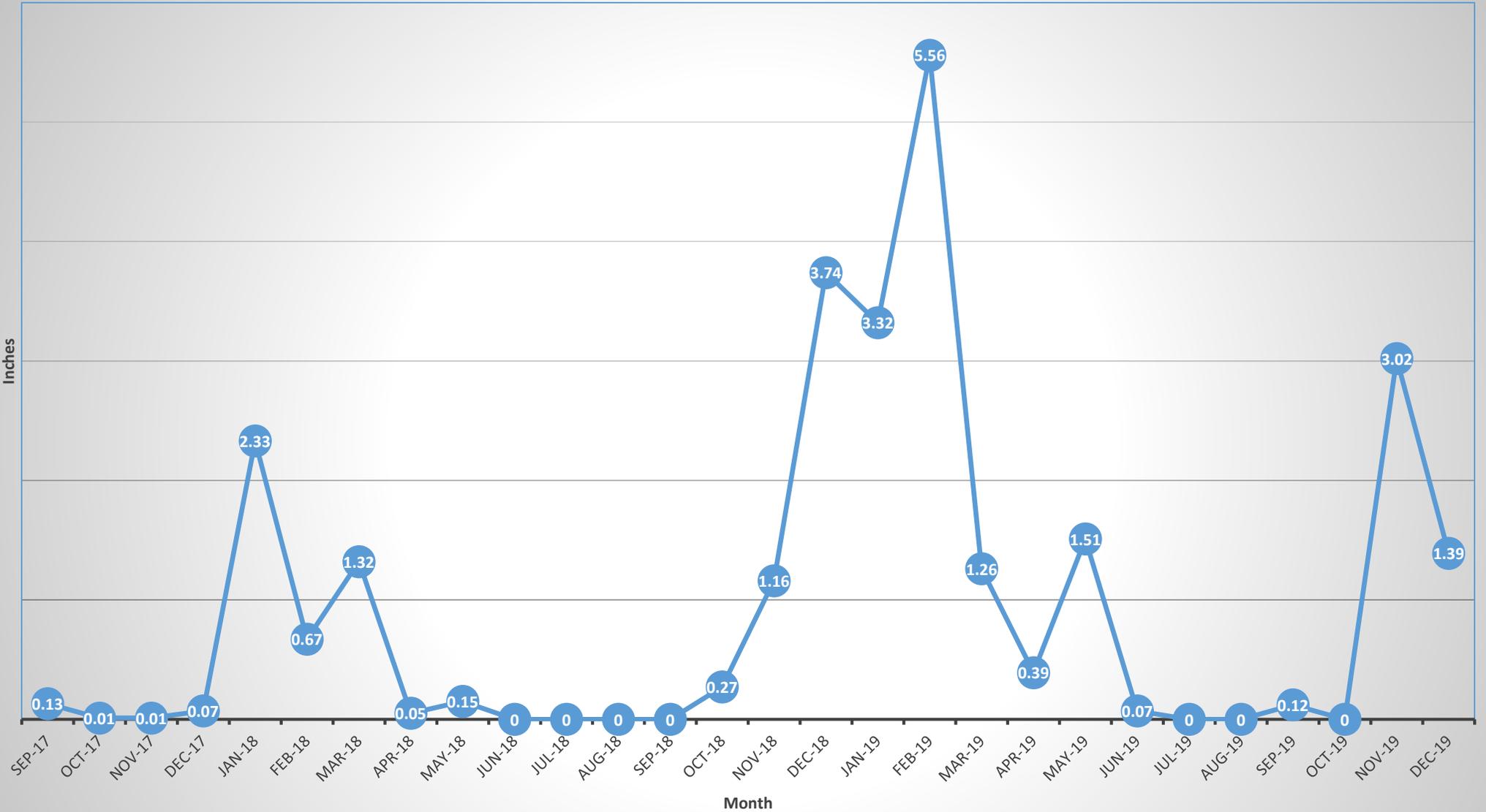
The City of San Diego Vernal Pool Habitat Conservation Plan (VPHCP) adopted January 2018 is intended to provide an effective framework to protect, enhance, and restore vernal pool resources within the City of San Diego, while improving and streamlining the environmental permitting process for impacts to threatened and endangered species associated with vernal pools. The VPHCP provides coverage for threatened and endangered vernal pool species that do not currently have federal coverage under the City of San Diego's Multiple Species Conservation Program Subarea Plan. The VPHCP is compatible with the MSCP and expands upon the City's existing Multi-Habitat Planning Area to conserve additional lands with vernal pool resources.

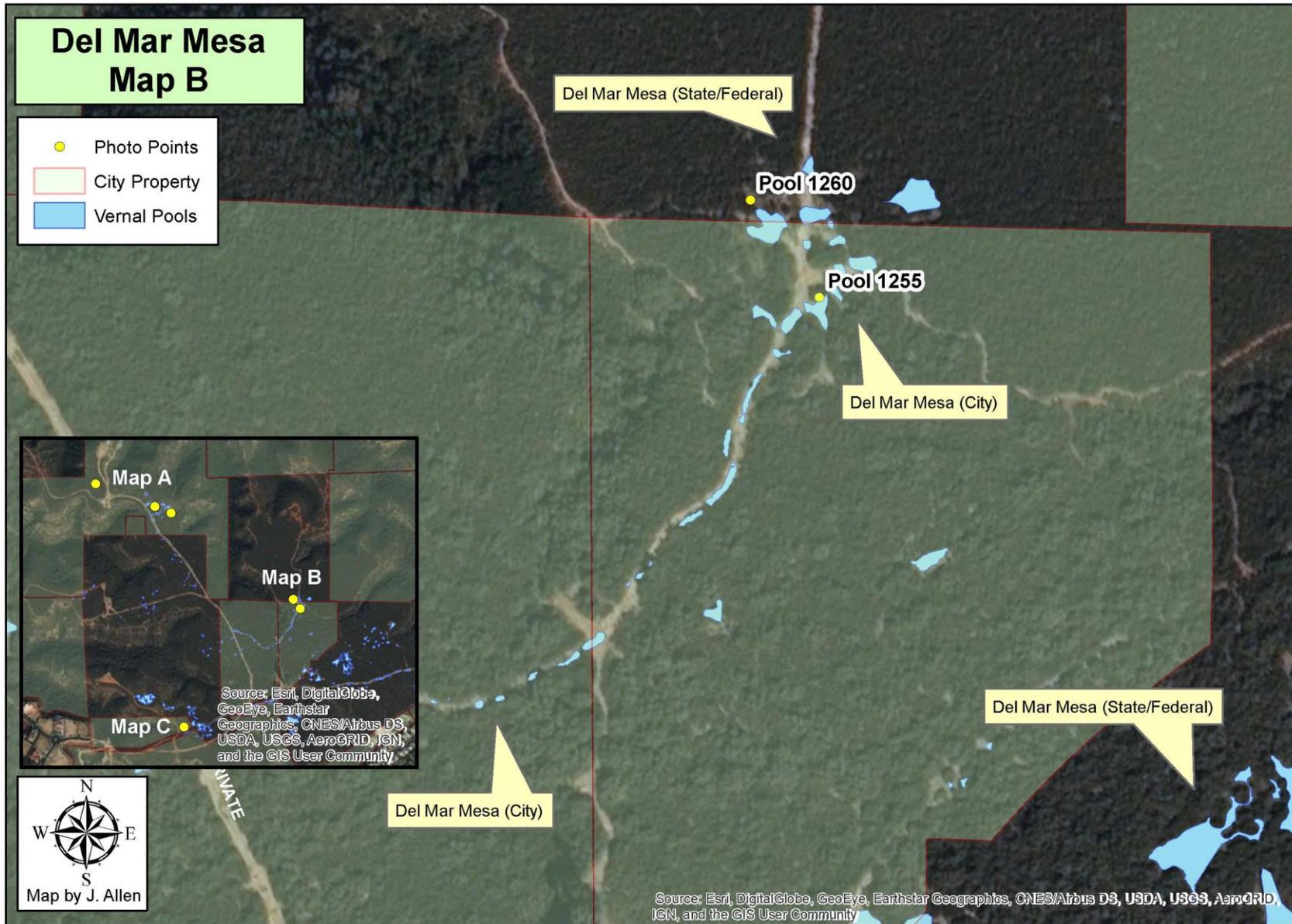
What species are covered?

- Otay Mesa mint (*Pogogyne nudiuscula*, PONU)
- San Diego Mesa mint (*Pogogyne abramsii*, POAB)
- Spreading navarretia (*Navarretia fossalis*, NAFO)
- San Diego button-celery (*Eryngium aristulatum* var. *parishii*, ERAR)
- California Orcutt grass (*Orcuttia californica*, ORCA)
- Riverside fairy shrimp (*Streptocephalus woottoni*, RFS)
- San Diego fairy shrimp (*Branchinecta sandiegonensis*, SDFS)



Precipitation at Mission Trails Regional Park







Del Mar Mesa

Vernal Pool ID: 1255



5/23/2018

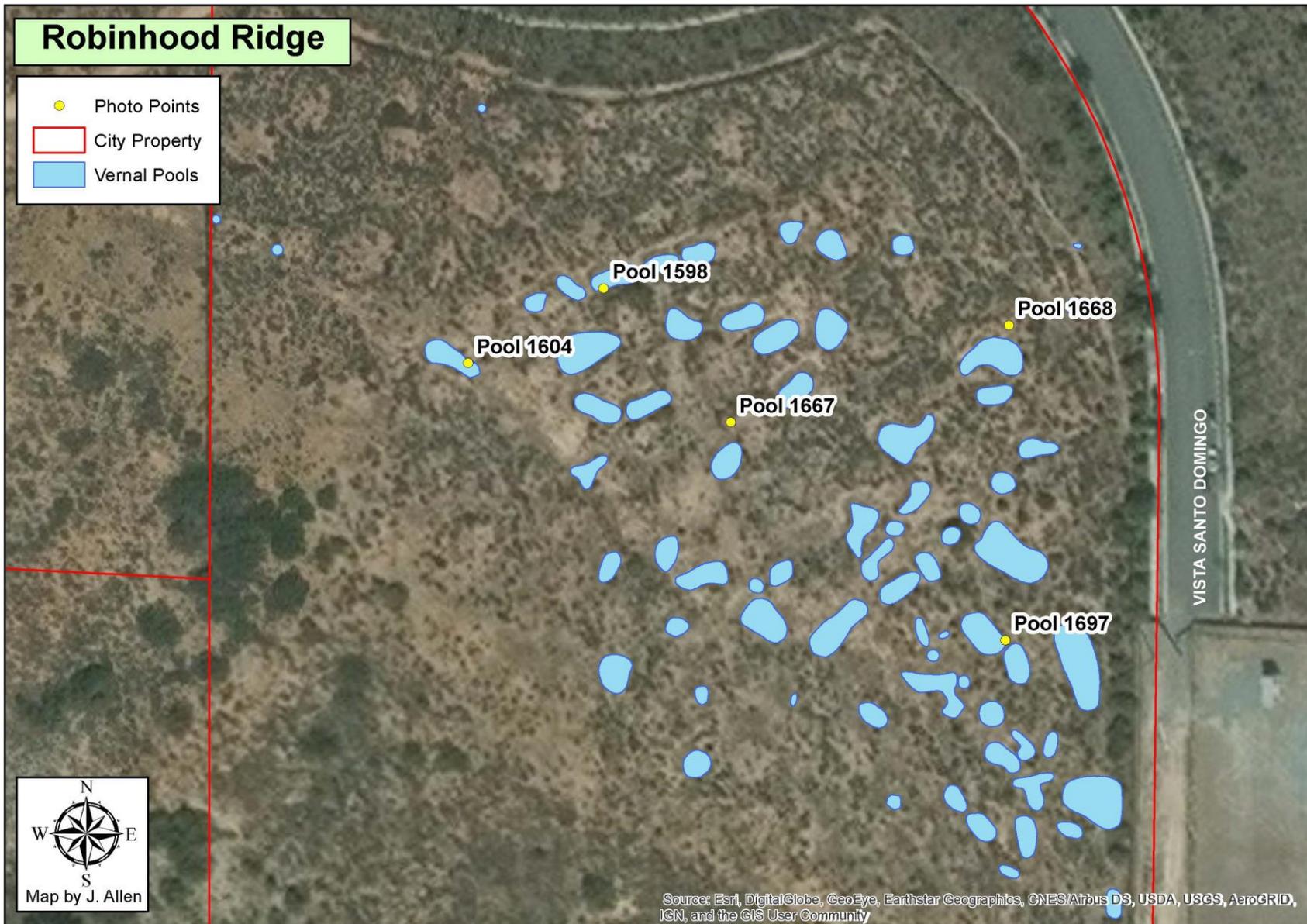


Del Mar Mesa

Vernal Pool ID: 1255



5/31/2019





Robinhood Ridge

Vernal Pool ID: 1598



4/20/2018



Robinhood Ridge

Vernal Pool ID: 1598



5/9/2019





Carroll Canyon

Vernal Pool ID: 1096



4/30/2018



Carroll Canyon

Vernal Pool ID: 1096



5/02/2019





Cal Terraces South

Vernal Pool ID: 2039



5/22/2018



Cal Terraces South

Vernal Pool ID: 2039



5/16/2019





THANK YOU!

*Jason Allen: Vernal Pool Biologist, Sara Allen: MSCP Biologist, Doug
Allen: Fairy Shrimp Biologist
Jessie Lane , Diana Brand-Ramirez: Program Interns*



Questions ??

