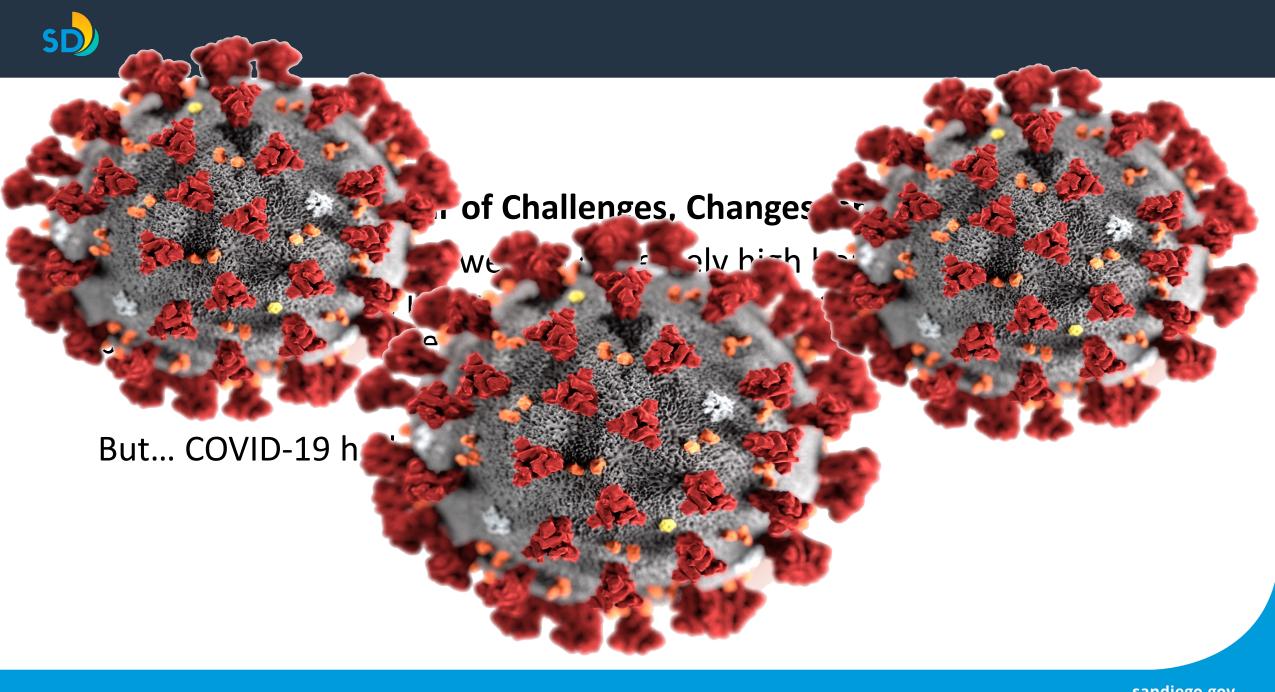
2020 SDMMP End-of-Year Meeting

Digital Data Collection Design, Implementation, and Results

Your Spare Bedroom, Kitchen Table, or Couch December, 9th 2020







City of San Diego

Open Space Division: Preserves and Parks

- Quick Facts:
- Ten Ranger Districts

(Black Mountain, Los Penasquitos, Tri-Canyons, San Diego River, Chollas Creek, Mission Trails, Canyons, Otay Valley, Mission Bay, Balboa Park)

- Over 28,000 acres of land
- 85 Species of Plants and Animals Listed in our MSCP
- Millions of Visitors Each Year



The Five W's of The Open Space Digital Data Collection Effort Explained....

Who: Biologists, Park Rangers, Grounds Maintenance how what who Managers

What: ESRI Programs: Survey 123, Collector, ArcGIS Online

When: Implemented in 2018 for MSCP Rare Plant Monitoring, and rolled out in early 2019 for Ranger staff on a limited basis, March 2020 program was rolled out with City-Wide Ranger Training Academy

Where: Currently this tool has been used in all of our Open Space parks and preserves

Why?...







Why?

- Easy to design, develop, and use
- No more paper forms to lose
- Instantly available to land managers and rangers
- Eliminates time and mistakes in transcription, and presentation
- Visually impactful
- Universal smartphone compatibility
- The entire SANDAG GIS Data Catalog in your hand

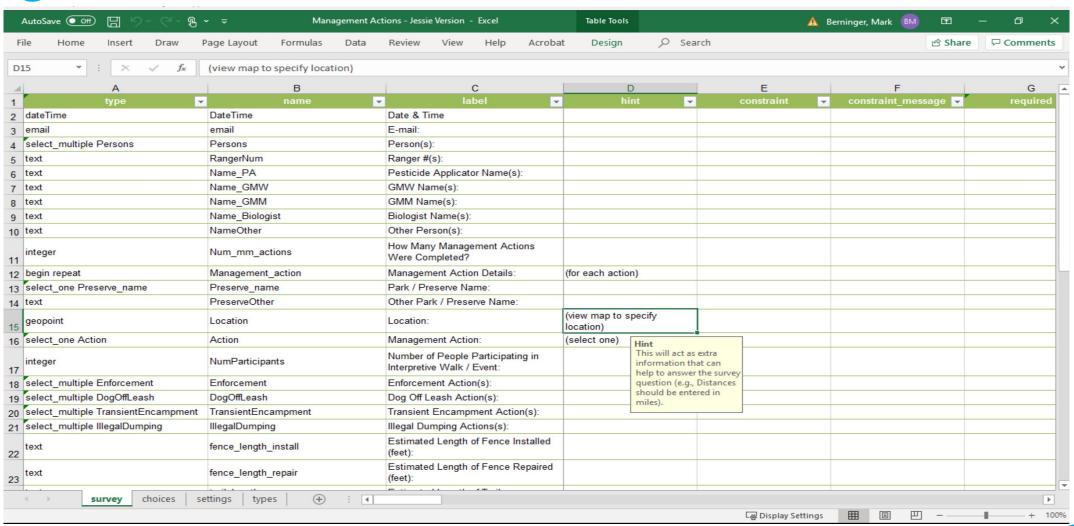




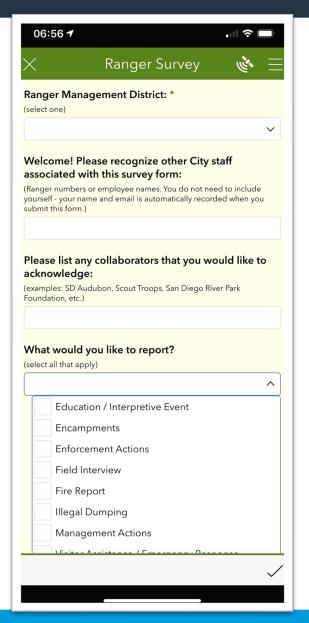


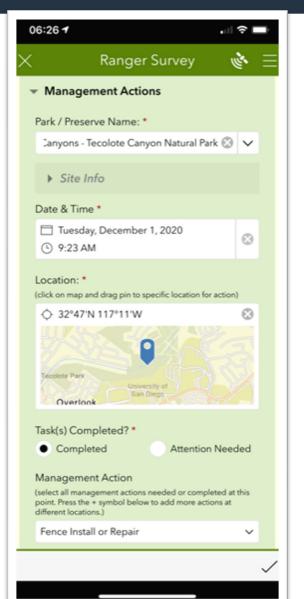


Design: if you can work in MS Excel you can design your own survey















Implementation:



Initial 2018 Version: MSCP Rare Plant Monitoring 2018

2019 Version: *MSCP Rare Plant Monitoring 2019*

Vernal Pool HCP Covered Species Monitoring 2019

Ranger Collector 2019

2020 Version: *MSCP Rare Plant Monitoring 2020*

VPHCP Covered Species Monitoring 2020

Ranger Survey Collector 2020



Implementation:

- Ranger Survey 2020:
- Beta testing group: Enlisting the Help of "Super Users"
- Met with Super Users to enhance and refine the look, feel and functionality of the surveys
- Are we asking the right questions to get the correct answers?
- Rolled out the Digital Data Collection Program as an optional tool for our rangers in 2020
- Go-Live Day: a two-day Ranger training academy where we went through three scripted scenarios to build familiarity and confidence with the survey and the information it can provide. We trained 29 rangers and grounds maintenance managers.



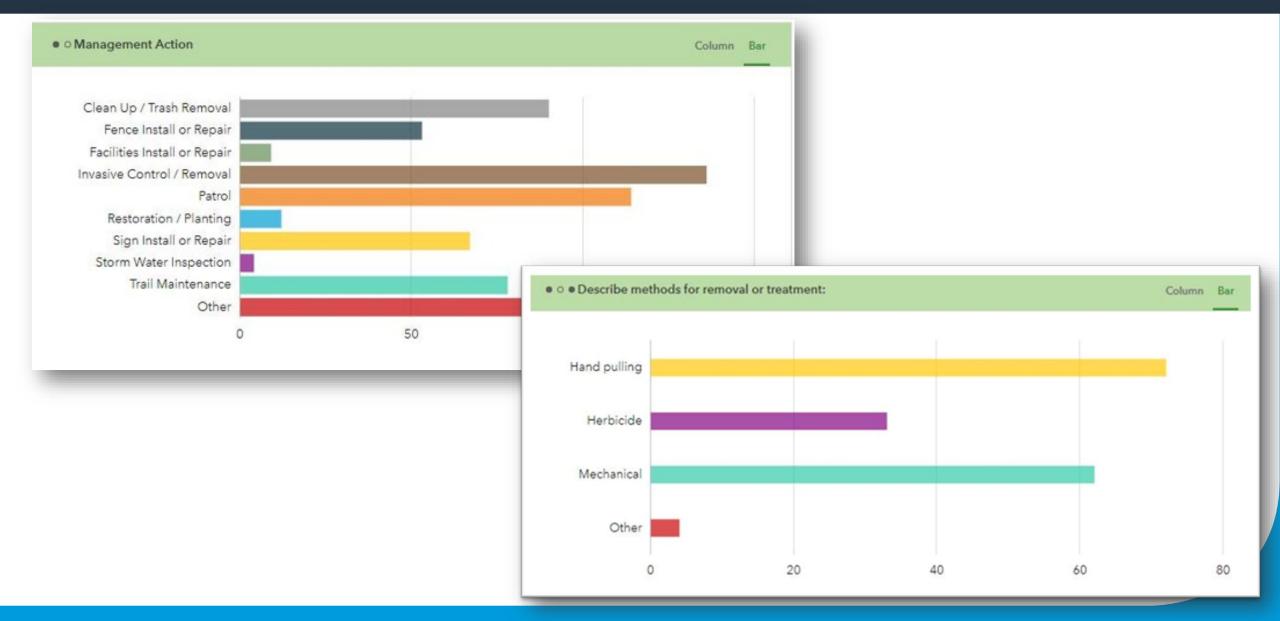


Results

- Thousands of Individual Entries Quantifying: Volunteer events, Management Actions, Transient Activity, Fires, Etc.
- Ability to sort for specific categories, geographic location, reporter, ranger district
- Instantly Available and instantly recalled years later
- Sharable data and customizable data collection templates for regional conservation monitoring
- Easily Digestible for non-biologists and executives
- Visually Powerful



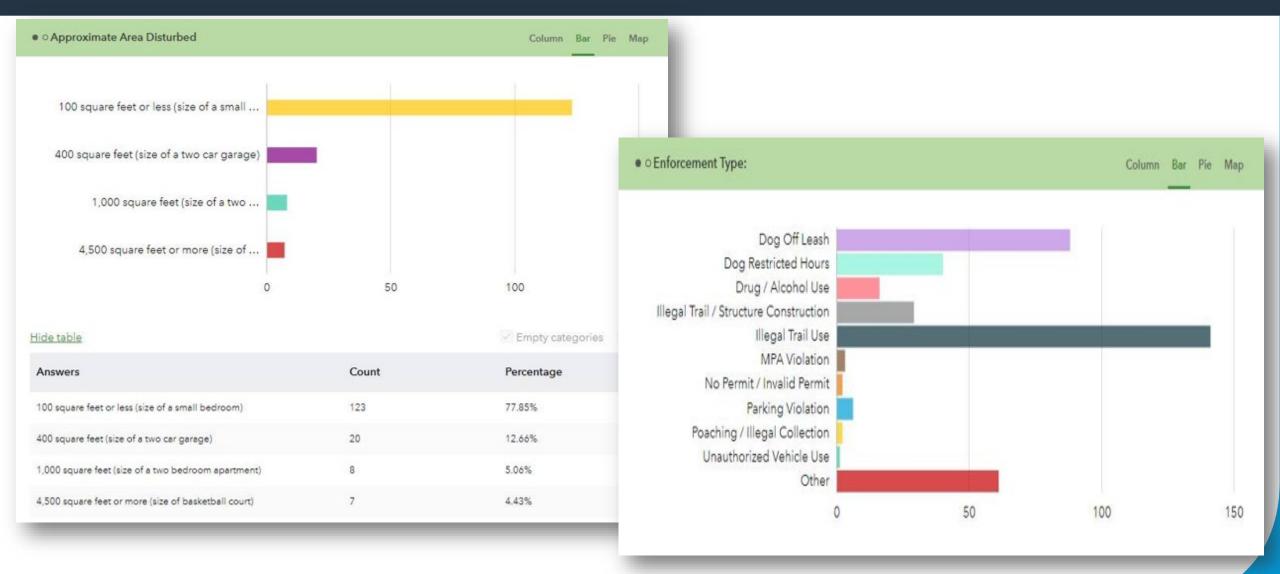




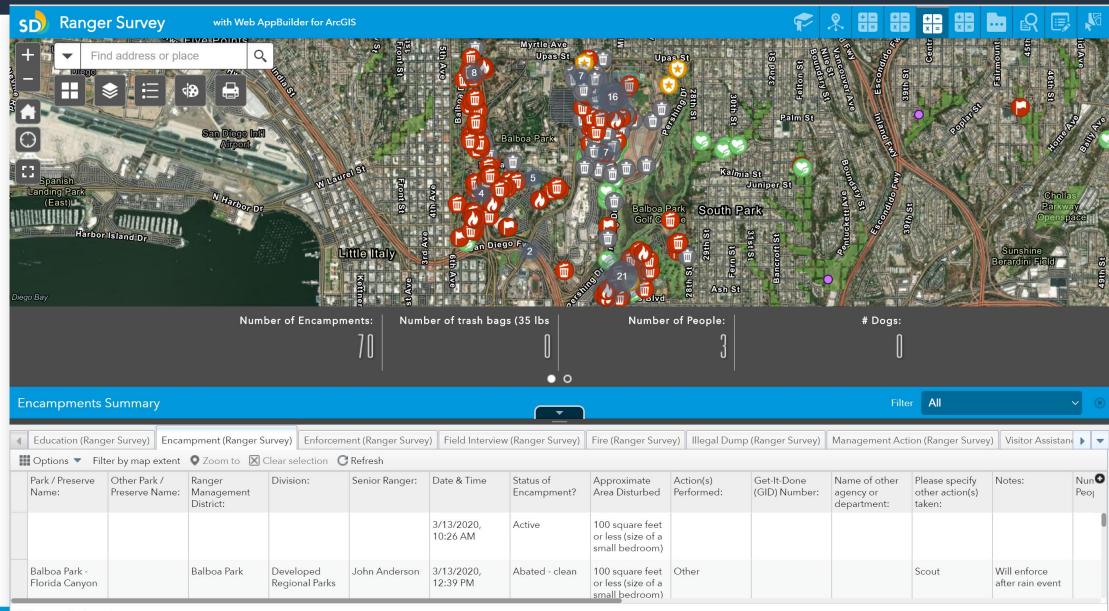






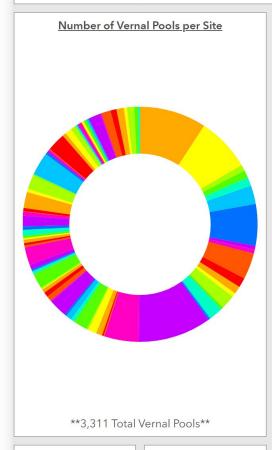


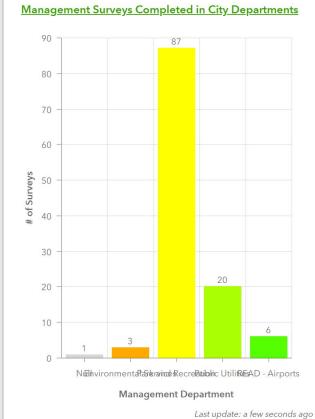


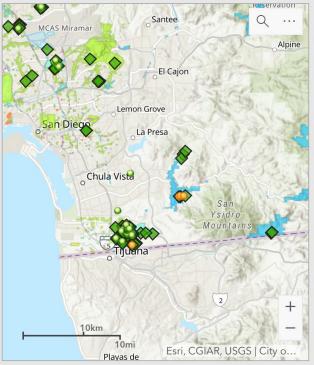




DRAFT Vernal Pool HCP 2019 Information Dashboard Monitoring and Management Surveys













Completed Surveys

Public Management Completed Surveys Last update: a few seconds ago Last update: a few seconds ago City Covered Plant Monitoring

Completed Surveys Last update: a few seconds ago

City Management **Completed Surveys** Last update: a few seconds ago Areas of San Diego Management Surveys have been Completed Central (South of 52 and North of 94) 14.53% South (South of 94) 52.99% North (North of 52) 32.48% 2019 Last update: a few seconds ago





THANK YOU!!







