

**San Diego Association of Governments
Quarterly Progress Report #12
Reporting Period: Quarter 2 (April 1st to June 30th) 2024
SANDAG Contract Number: S833005 – Nature Collective Invasive Plant Treatment**

Task 1- Project Management, Admin and Meetings

We communicated with SANDAG, partners, contractors, and consultants to ensure compliance with agreements and contracts. Field contractors are under contract and registered under the labor compliance program. We are invoicing and completing quarterly reports to SANDAG. We have reviewed and signed MOUs, ROEs, and other agreements required for this project. We have held meetings, prepared for field work, and continued work on Tasks 2, 3 & 4.

Task 2- Stinknet (*Oncosiphon pilulifer*) Treatment for Priority Sites

Co-ordination and planning:

We coordinated with four areas to prepare for stinknet control. Work continued at Highway 76 and West of I-15. In addition, three sites from the previous year were treated: Otay West, Buena Vista Lagoon and Carlsbad Oaks.

ROE or MOU work:

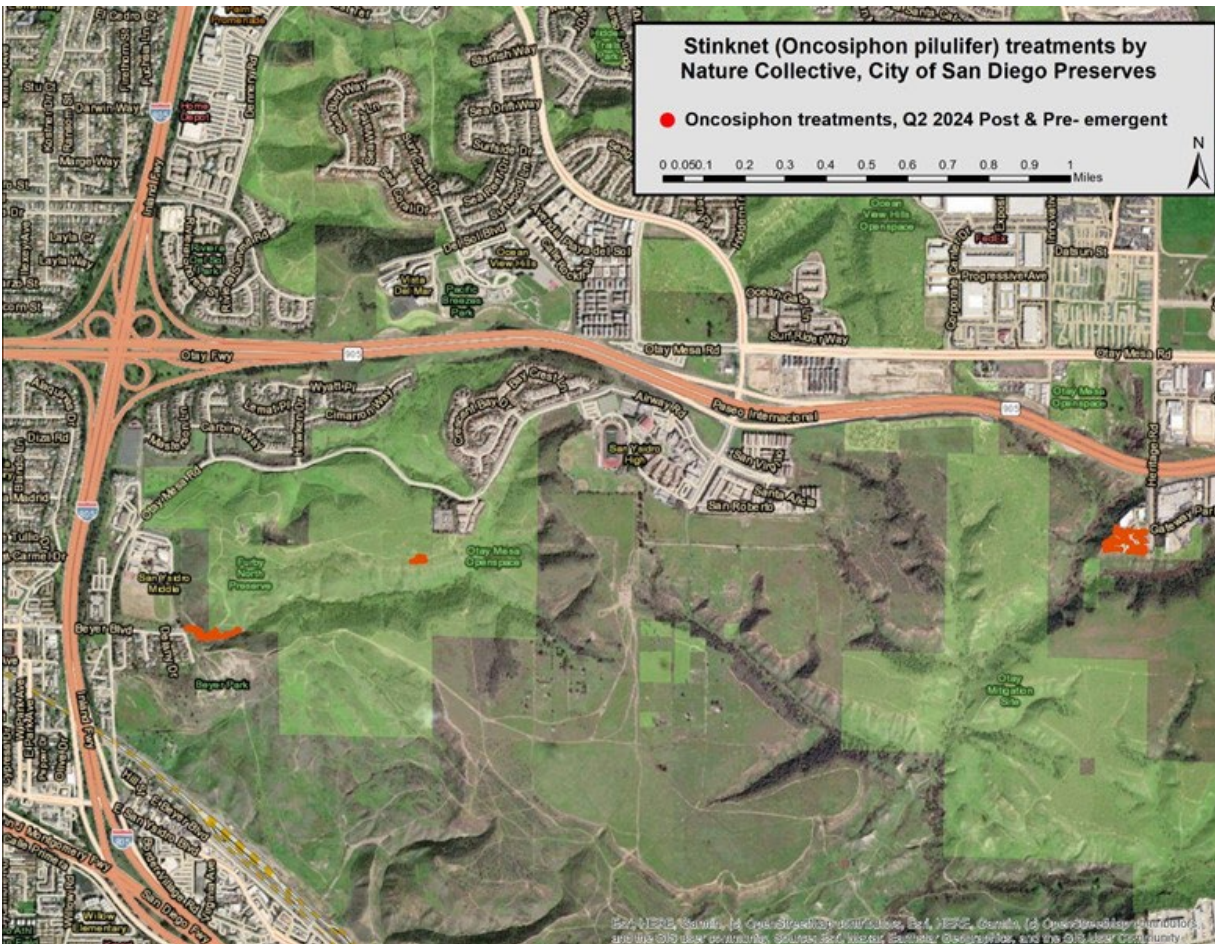
Property owners were coordinated with at all four sites.

Field work:

We conducted control treatments at all sites. Most sites were controlled with a pre- and post-emergent application, as plants were actively growing. We also used granular pre-emergent at some sites. Please see below for maps, descriptions and photos of the work areas.

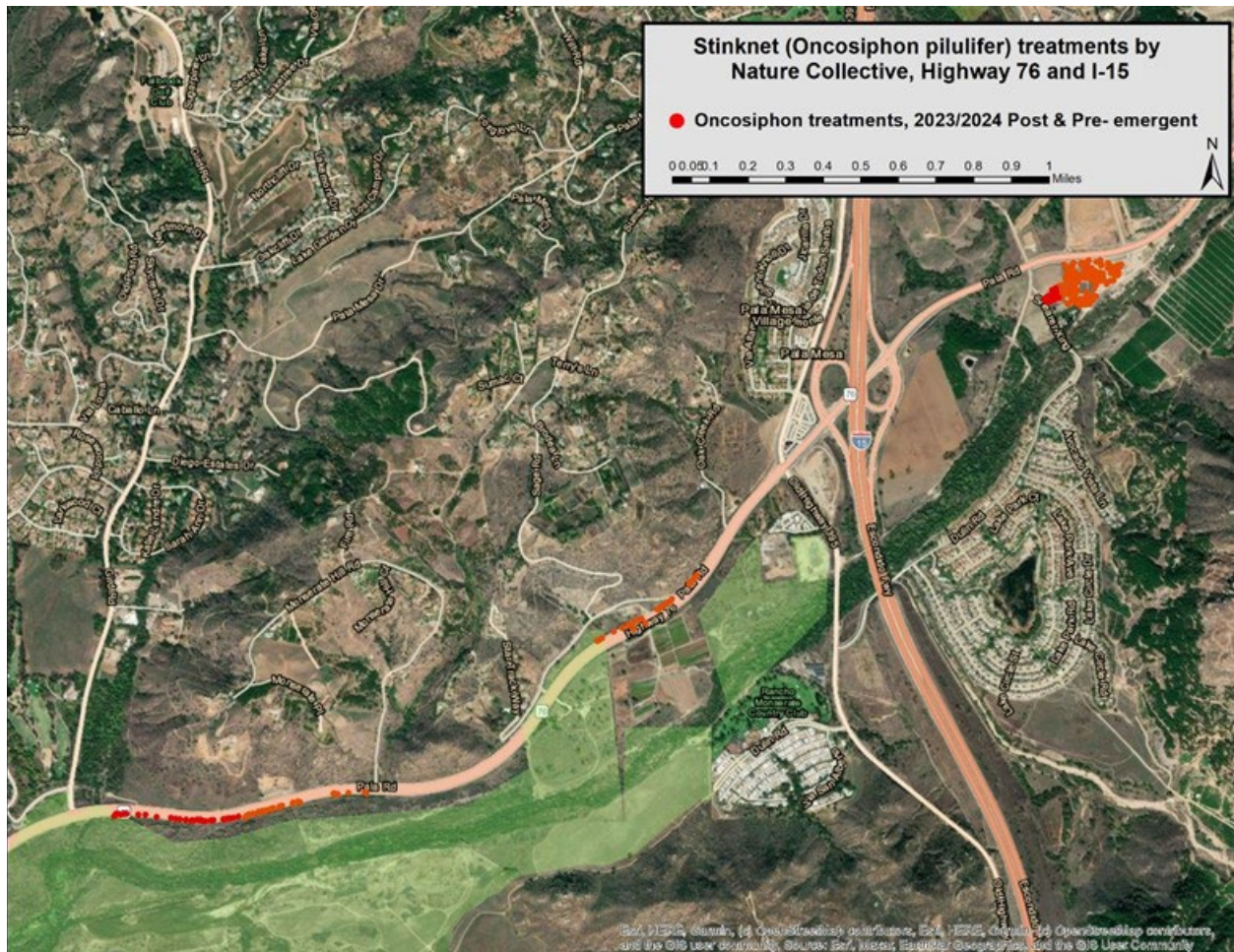
Task 3- *Arundo donax* Retreatment for Completed Projects

Coordination and planning work for treatments coming in fall occurred along with CDFW reporting.



Map 1. Stinknet treatments at Otay West and Southwest Trailers

Otay West and the Southwest Trailers sites were treated in winter 2022-23, but plants were still being expressed from the seedbank in spring 2023-24. Plants were bolting or in flower when treated (>4,000). There are still extensive untreated areas at Otay West (slopes below Otay Mesa Road and a slope south of vernal pool areas in the reserve) that would benefit from pre-emergent application in November/December 2024. We will work with City of San Diego to start tackling these areas. The City of San Diego re-treated most of the areas that Nature Collective treated last year. County AWM re-treated Furby West, which is also in this management area.



Map 2. Stinknet treatments on Highway 76, east and west of I-15

We controlled over 4,000 plants on Highway 76 on the east and west sides of I-15. The patches of plants west of I-15 were outside of areas that we knew plants occurred, so they were not treated in Q1. The area east of I-15 was the completion work on known populations. Plants were bolting or in flower.



Map 3. Stinknet treatments at Buena Vista Lagoon

Buena Vista Lagoon was treated again and over 10,000 plants were controlled. While most areas that were treated for the first time in 2022/23 looked good, new areas were found on slopes adjacent to roads. Plant cover on some of these slopes was high.



Map 4. Stinknet treatments in Carlsbad Oaks Reserve

Carlsbad Oaks Reserve looked good, but scattered plants were present. No plants were seen on Faraday Ave. However,

Task 4- EDRR Level 2 Sites

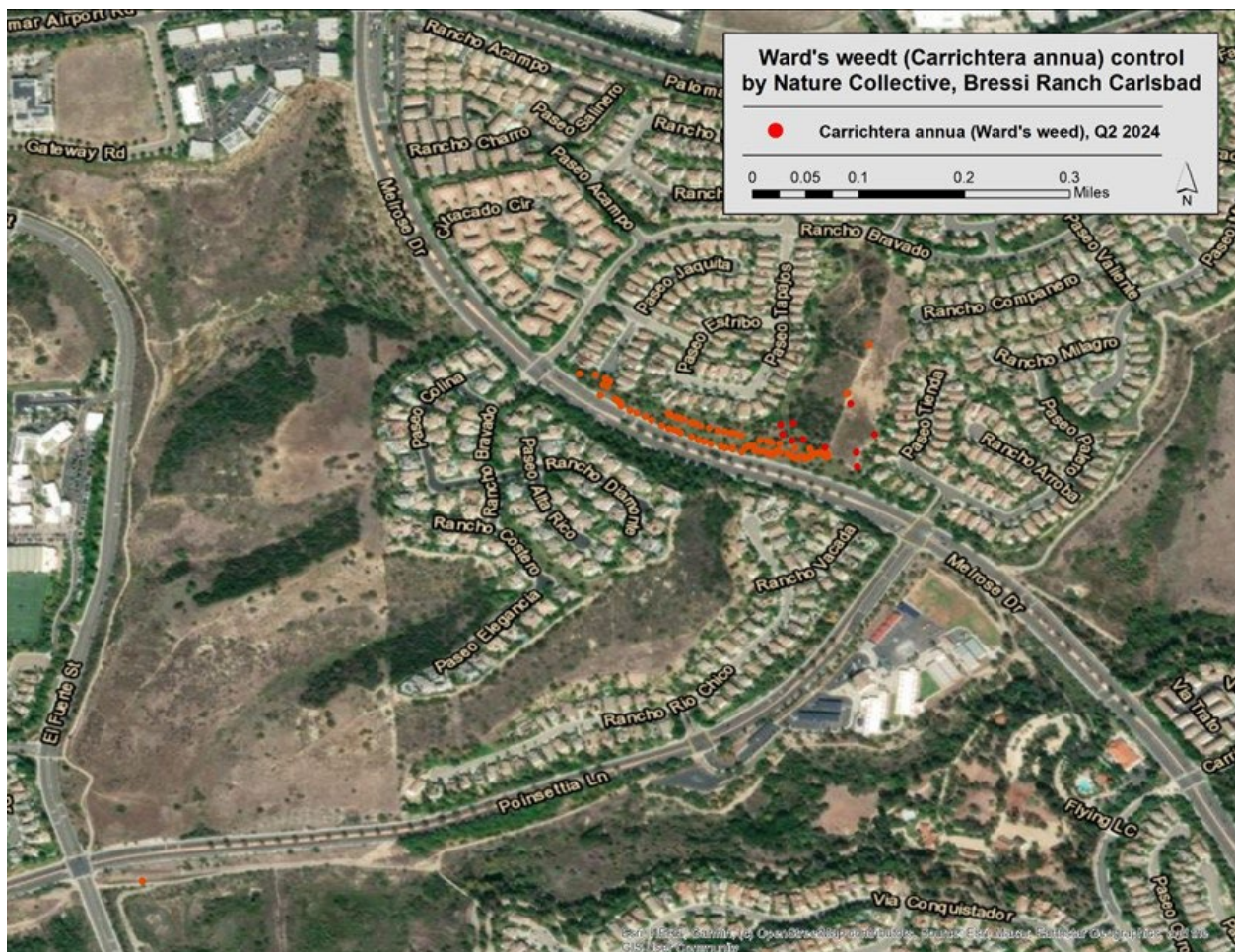
Co-ordination and planning:

Three EDRR targets were worked on: Ward's weed, Canary Island St John's wort, and Red Sesbania. The cities of Carlsbad (Ward's weed), Encinitas (Ward's weed) and San Diego (CISJW) were coordinated with.

Field work:

Control work occurred at all sites. Ward's weed sites were controlled with hand pulling and bagging, and granular pre-emergent was applied. CISJW and red sesbania sites had spot control with post emergent.

Please see below for maps, descriptions and photos of the work areas.



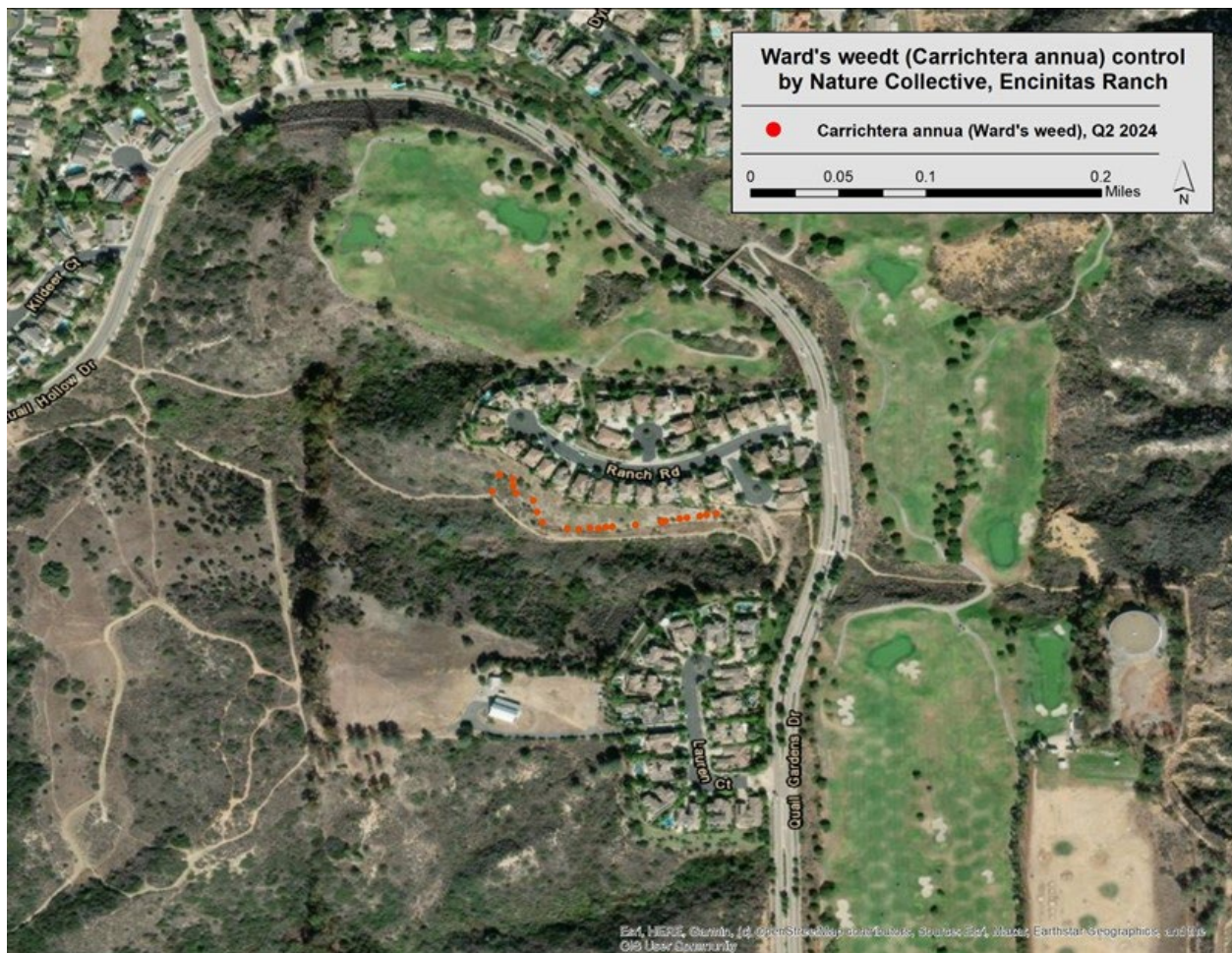
Map 5. Ward's weed treatment at Melrose Drive, Carlsbad

Ward's weed cover was quite high in landscaped areas along Melrose Drive in Carlsbad. Plants were mostly hand pulled and bagged (>5,000), and granular pre-emergent was applied.



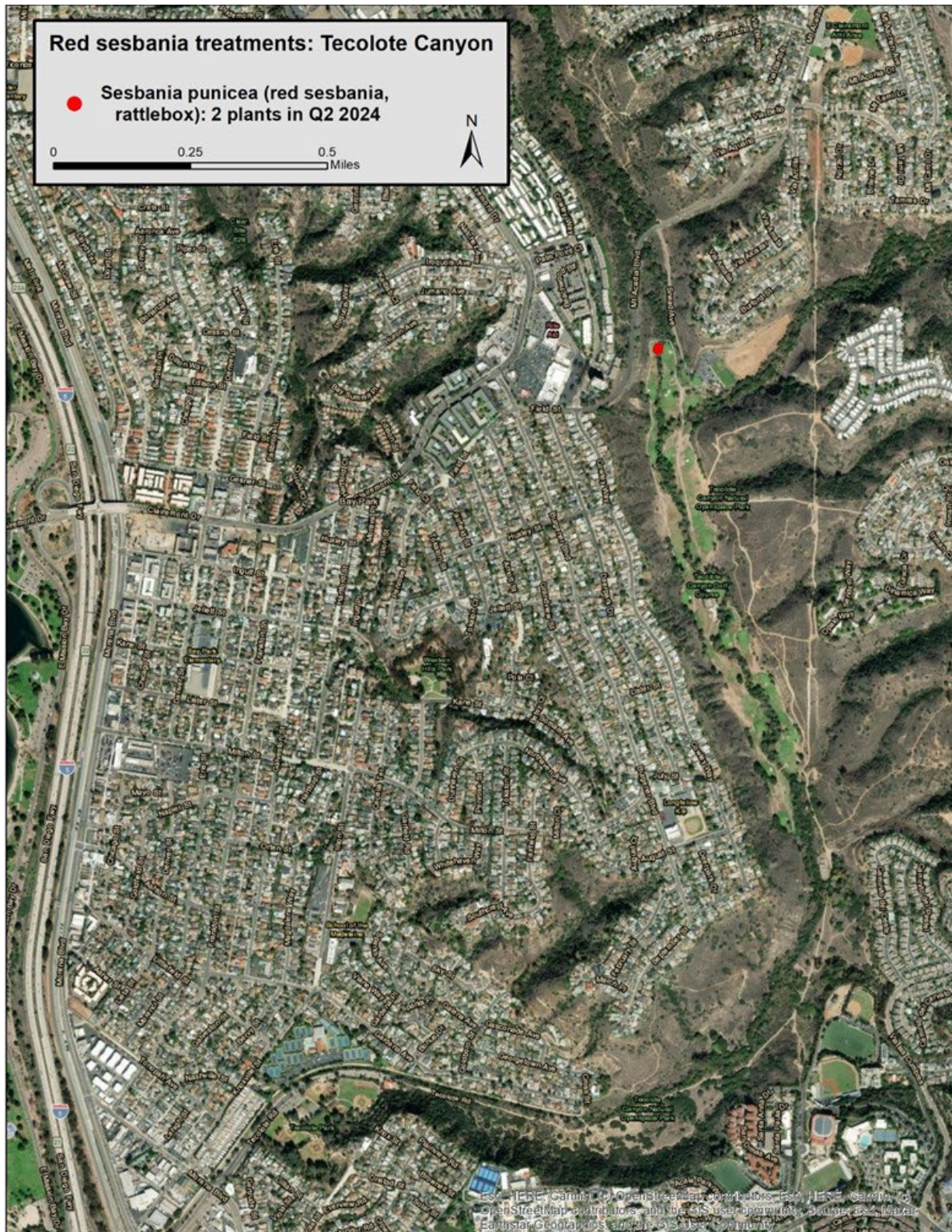
Map 6. Ward's weed treatments on Poinsettia Lane near Aviara Parkway

A new Ward's weed site was reported on iNaturalist on Poinsettia Lane near Aviara Parkway. These plants were spot treated with pre and post emergent. A very dense population was found on the north side of the street, where ROEs were obtained. This larger (>1 ac) site will be treated in winter 2024/25.



Map 7. Wards weed treatment in Encinitas Ranch

Wards weed in Encinitas Ranch was treated for the second time. Plant cover was much lower than in previous years, but there were still scattered patches of plants (>1,000). Plants were pulled and bagged, granular pre-emergent was then applied.



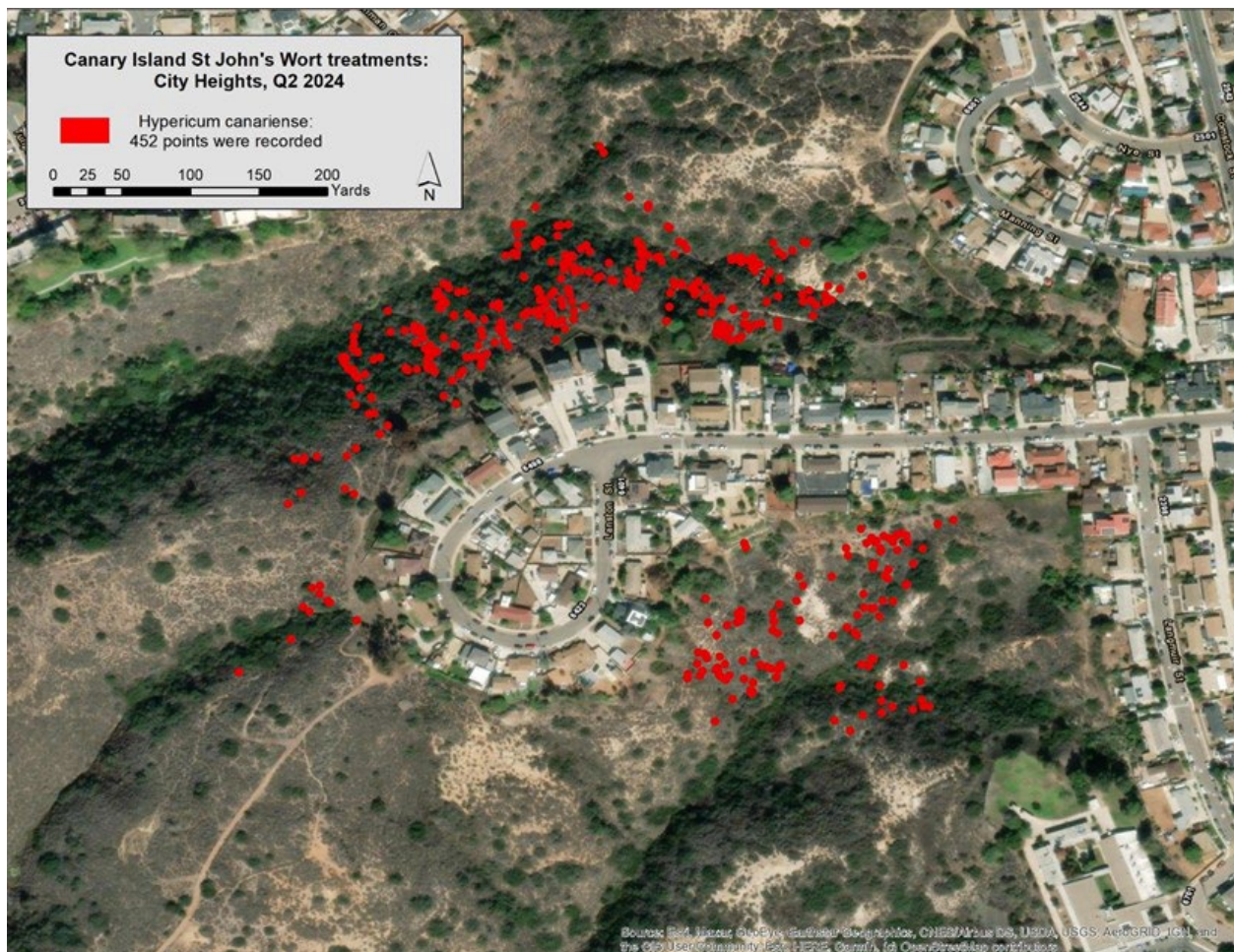
Map 8. Red sesbania treatment in Tecolote Canyon

Red sesbania was re-treated in Tecolote Canyon. There were only two seedlings found. 79 plants were found last year and 208 in 2022. It is possible that the work occurred too early this year, but it may also be that the seedbank is becoming depleted.



Map 9. Canary Island Saint John's wort treatment at Murray Preserve (Mission Center Road)

Canary Island Saint John's wort was re-treated at the Mission Center Road Murray Preserve. There are still many seedlings and a few resprouts each spring (> 850 plants).



Map 10. Canary Island Saint John's wort treatment at Tecolote Canyon

Canary Island Saint John's wort was re-treated at Tecolote Canyon. This site is usually re-treated by County AWM, but to keep them on schedule, NC re-treated this site with post emergent. There were many seedlings found (452 data points, >1,000 seedlings and a few re-sprouts). There are still many seedlings and a few resprouts each spring.



Map 11. Canary Island Saint John's wort treatment at City Heights

Canary Island Saint John's wort was re-treated at City Heights, City of San Diego property. There were a few seedlings and re-sprouts (25 data points, ~ 50 plants).



Map 11. Canary Island Saint John's wort treatment at Presidio Park

Canary Island Saint John's wort was re-treated at Presidio Park, City of San Diego property. There were a few seedlings and re-sprouts (24 data points, ~ 50 plants).

Work Anticipated Next Period: Q3 2024

Task 1- Project Management, Admin and Meetings

We will continue on this task.

Task 2- Oncosiphon Treatment for Priority Species

No work planned.

Task 3- Arundo Re-treatment

Preparation for fall.

Task 4- EDRR Level 2 sites

Several sites and species will be worked on: Canary Island Saint John's wort and Limonium.