

**San Diego Association of Governments
Rare Dune Species Restoration Project
Nature Collective**

Quarterly Progress Report

Reporting Period: October 1, 2025 – December 31, 2025

Submission Date: January 2025

SANDAG Contract Number: S1125507

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Rare Coastal Dune Species Habitat Restoration Project – 2025 Q4 Progress Report

Quarterly Status Report Overview

During this reporting period Nature Collective staff continued weed management and spread previously collected seed ahead of rain events. We also inventoried our dunes species seeds to determine what our need for collection and spreading will need to be for the next couple of years.

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Work Performed this Period:

1. Task 1- Seed Collection & Propagation

Seed collection and propagation did not take place during this reporting period.

2. Task 2- Work & Monitoring Plan

This task has been completed.

3. Task 3- Seeding & Planting

Staff spread a seed mix of *Abronia martima*, *Abronia umbellata*, and *Ambrosia chamissonis* throughout the project site in areas where needed on November 14 ahead of winter storms. Staff also inventoried the remainder of the dunes seed that we have in inventory so that we know how much to collect in this future year.



4. Task 4- Maintenance

During this quarter we continued with irrigation of new and old container plants. Staff also continued weed maintenance; the main target species continues to be annual yellow sweetclover (*Melilotus indicus*) and European searocket (*Cakile maritima*). Additionally, staff continuously maintained and repaired the existing fencing circumventing the dunes to prevent trampling of vegetation from the public.

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5. Task 5- Monitoring

Monitoring will take place next quarter.

6. Task 7- GOIN Program

Our next GOIN event will take place on February 7, 2026 We have 60 participants signed up (approximately 20 families), and we plan to manually weed the dunes and outplant in areas where necessary. We are 75% complete with the GOIN task.

7. Task 8- Administrative

Bradley Nussbaum oversaw and participated in daily planning, project management, invoicing, monitoring and restoration tasks during this period.

Work Anticipated Next Period

We will continue with irrigation of new plantings and weed control using hand and chemical removal methods.

Issues to Note

As stated in previous quarterly reports- after project planning began, we determined that we will more than likely not be able to meet two of our performance measures including “*Atriplex coulteri* – 200 individuals restored” and “*Phacelia stellaris*” – 200 individuals restored”. However, we anticipate restoring 400+ individuals of *Chaenactis orcuttiana ssp. glabriuscula* (Orcutt’s yellow pincushion) to replace those performance measures. Orcutt’s yellow pincushion is listed at California Rare Plant Rank 1B.1 – “Plants rare, threatened, or endangered in California and elsewhere; seriously threatened in California” and has only 20 presumed extant occurrences in California (CNPS, RPP 2023). We do not expect to meet the original

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performance measures due to the lack of seed available to ethically collect as well as the difficult germination requirements.

Photographs & Figures

All maps are included in Appendix A following this report.

Performance Measures



EMP11_2024 Q4
Performance Measu

Appendix A: Maps

Map B: Photo Monitoring Points



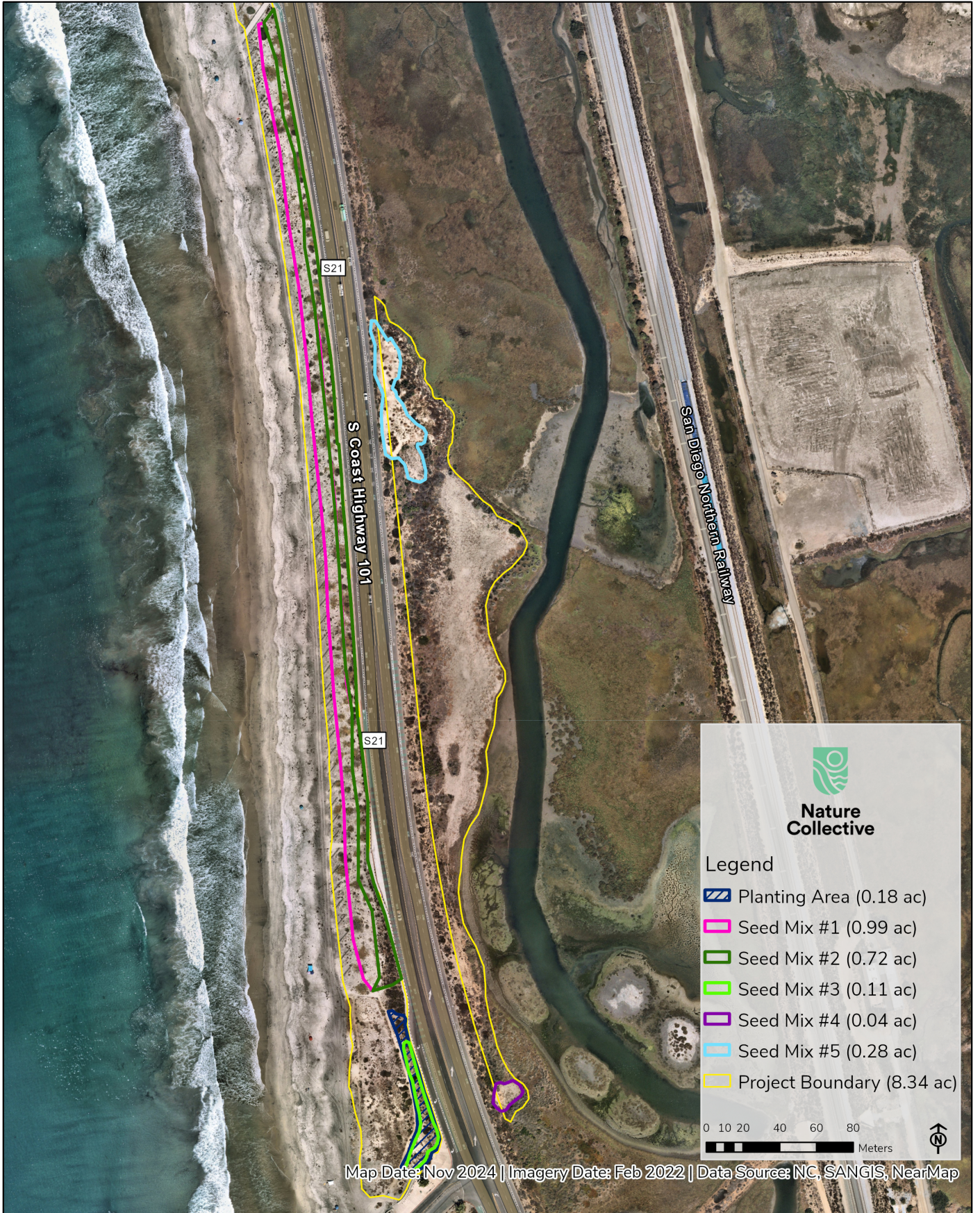
Photo Monitoring Points - September 2023

Map C: Transect Monitoring Locations



Transect Monitoring Locations - September 2023

Map D: Planting and Seeding Areas



Planting and Seeding Areas - November 2024