

Hearing Board Presentation

Oceano Dunes SVRA

June 17, 2022

Ronnie Glick, Senior Environmental Scientist
Sarah Miggins, Deputy Director,
Off Highway Motor Vehicle Recreation Division



Outline

- Major Milestones Met Under SOA
- Completed Through June 2022
- Computer Model Emissions Estimates
- Research



Major SOA Milestones

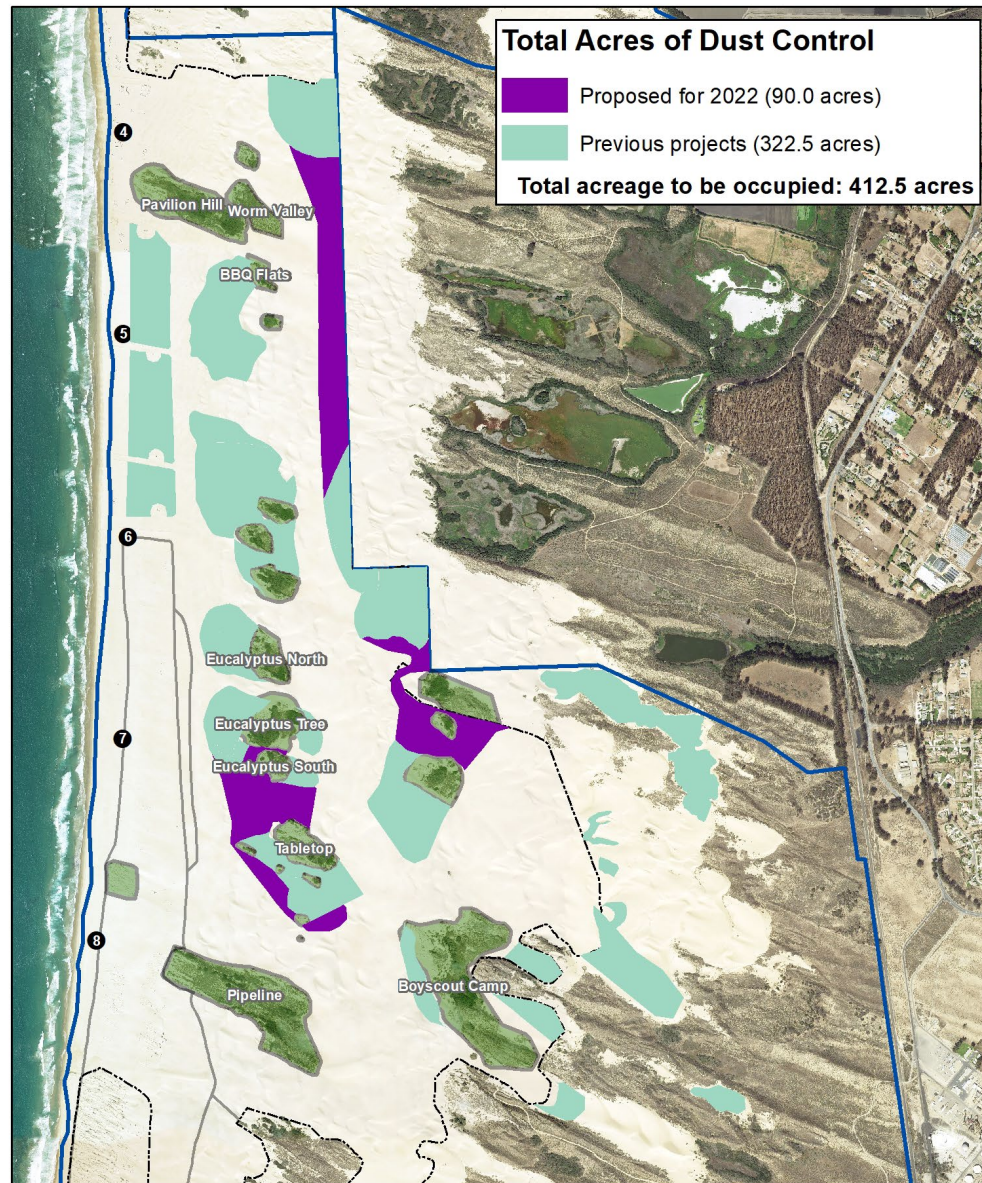
- Particulate Matter Reduction Plan –
 - APCO Approved June 2019
- Annual Report and Work Plans
 - 2019 – APCO Approved January 2020
 - 2020 – APCO Approved October 2020
 - 2021 – APCO Approved October 2021
 - 2022 in progress, Due to Scientific Advisory Committee on July 1, 2022



Summary of Work Through June 2022

- Over 412 acres treated within Oceano Dunes SVRA
- Additional Area Since the October 2021 Hearing Board Meeting

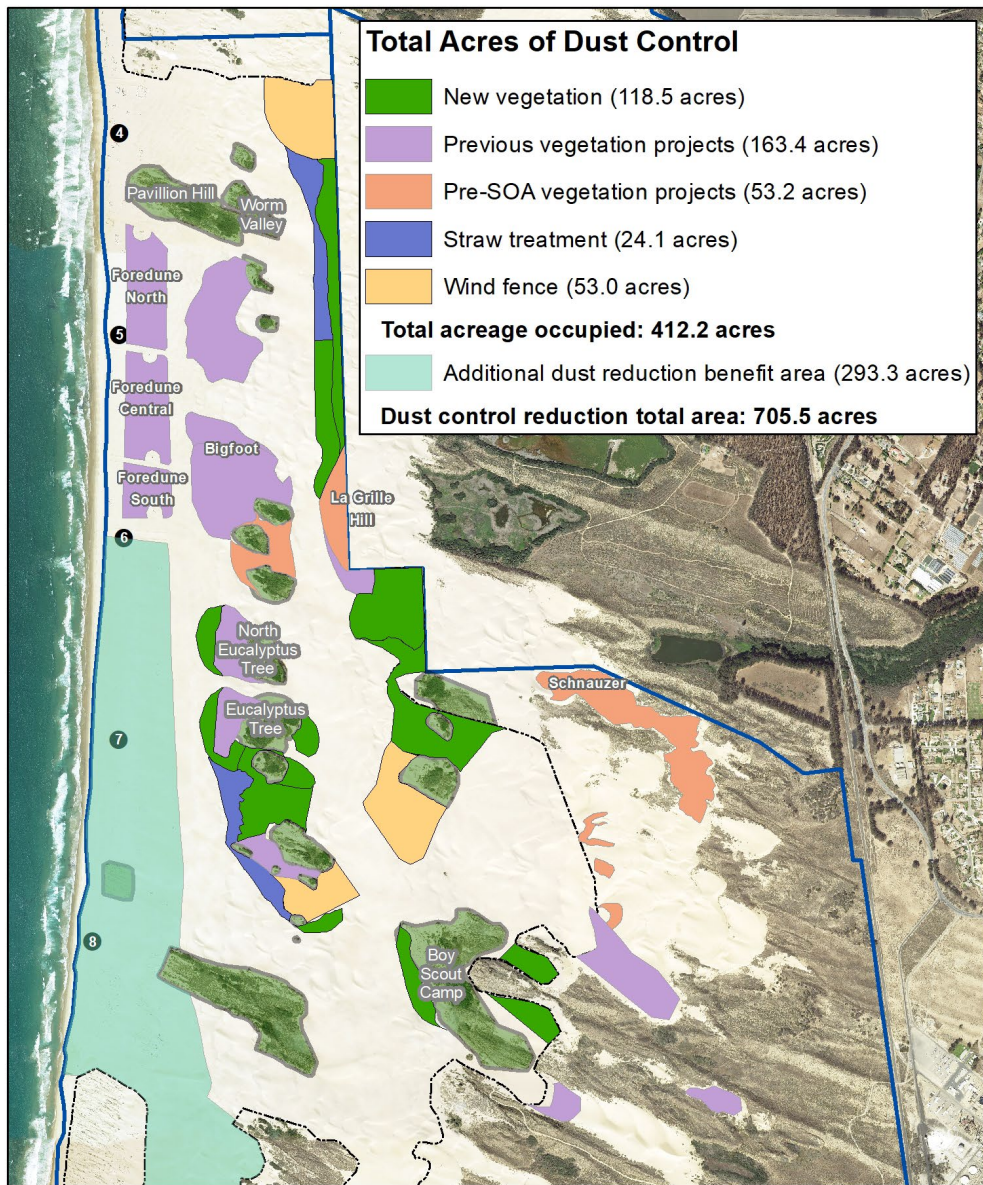




Source: CDPR, MIG Imagery: 2014 NAIP 10/07/2021

Figure 3-1: Proposed 2022 Dust Control Treatment Areas
2021 ARWP

— Nesting enclosure from 2020 - - - - Open riding and camping area boundary fence



2022 Dust Control Treatment Areas
2022 ARWP

- Marker post
- Existing fenced vegetated islands
- Park boundary
- Open riding and camping area boundary fence



2022 Regions Under Dust Control
2022 ARWP

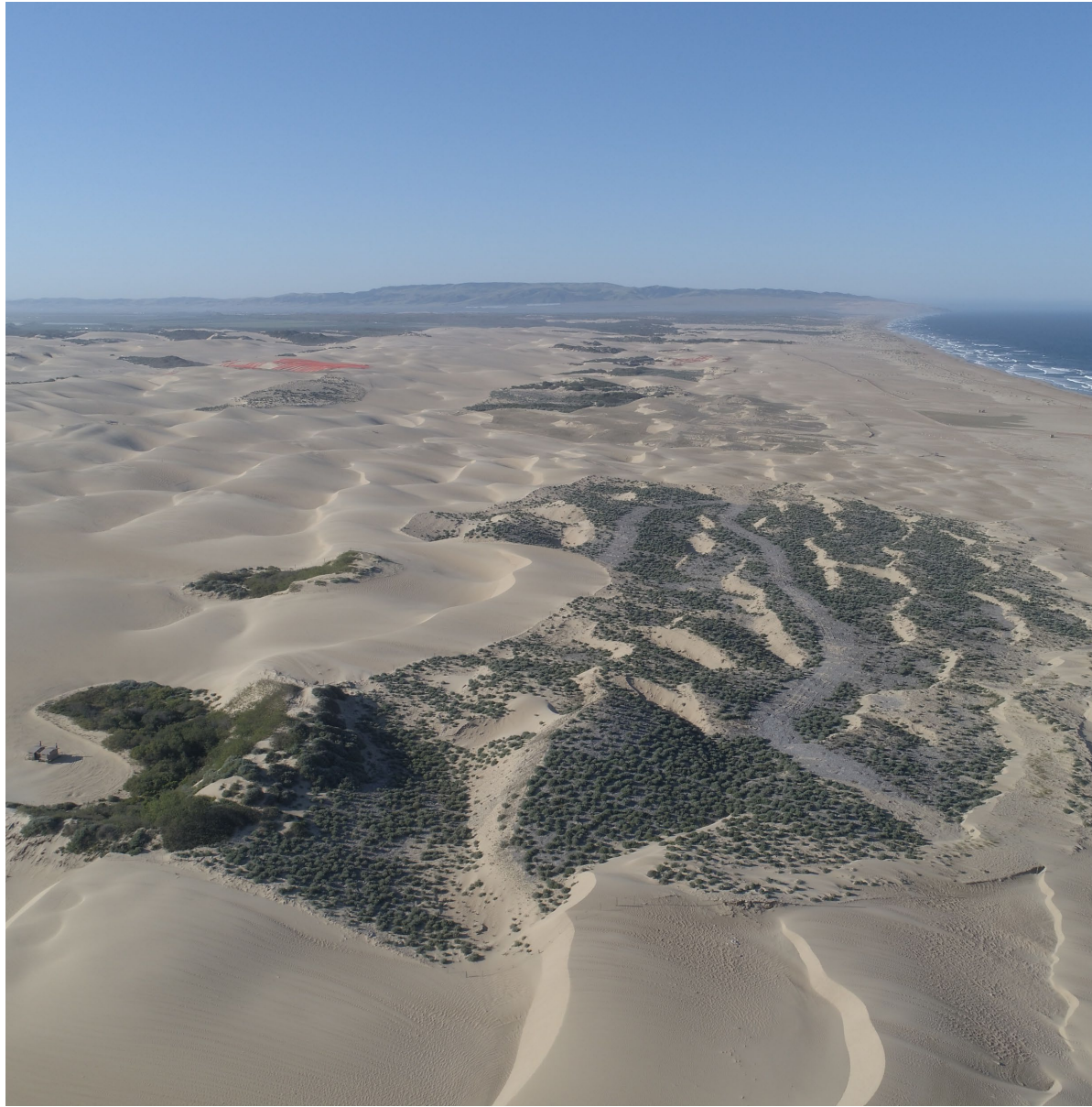
- Marker post
- Existing fenced vegetated islands
- Park boundary
- Open riding and camping area boundary fence

Stipulated Order of Abatement Acreage	Wind Fence	Straw	Other	Total
Converted to vegetation	68.5	82.3	131.2	282.0
Awaiting conversion to vegetation	53.0	24.1	-	77.1
Total	121.5	106.4	131.2	359.1
Total including Pre-SOA	-	-	53.1 184.3	412.2

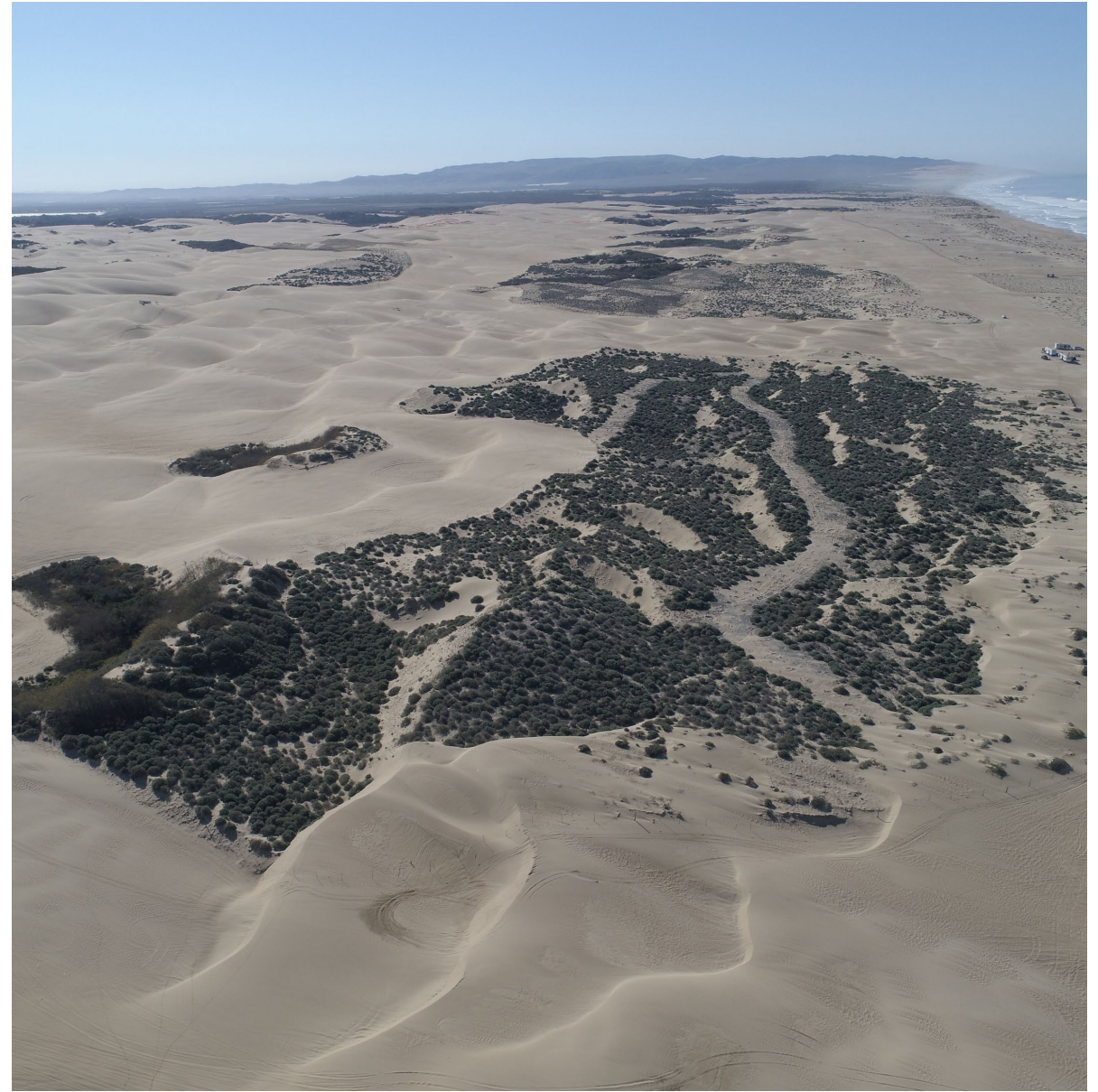
440,000 plants installed and 2,000 pounds of native seed







May 2020



February 2022

Metrics With Projects Through 2022

- 412.4 acres of dust mitigation projects with 90 acres of new projects installed Spring 2022
 - 31.7% reduction in mass emissions (out of 50% requirement as per SOA 2(c); up from 22%)
 - PM-10 concentration at CDF reduced by 47% (up from 42%)
 - PM-10 concentration at Mesa 2 reduced by 33% (up from 24%)
- Preliminary Numbers Including Seasonal Exclosure
 - (pending additional review and verification)



Research

- Desert Research Institute
 - Ongoing dune field monitoring
 - Updates and refinement of computer model – SAG recommended Update
 - Computational Fluid Dynamics
- U.C. Santa Barbara and Arizona State University
 - Foredune monitoring, mapping and sediment budget
- Ongoing SAG Priorities



