



Salton Sea Management Program Dust Suppression Projects Action Plan

Public Workshops | December 17, 2019 & December 18, 2019

Presenter: Jennifer Scholl, Representing SSMP



Overview: State's Draft Dust Suppression Projects Action Plan

Near-Term Plan Components

- Background
- Dust Suppression Projects Action Plan
 - Phasing
 - Site prioritization/methods
- Next-Steps
 - Permitting
 - Landowner Agreements
 - Implementation/construction



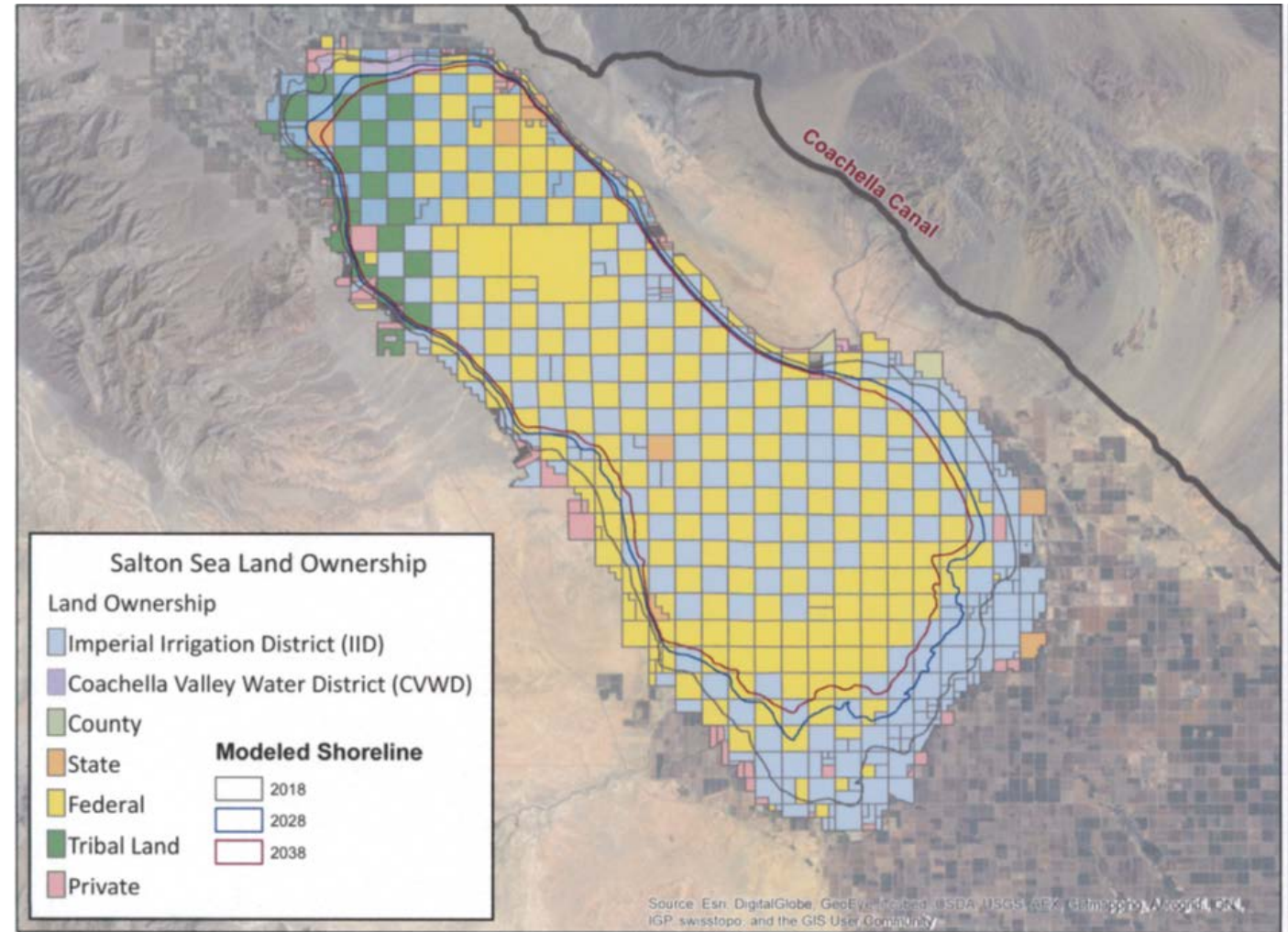
Phasing

Environmental Compliance

- National Environmental Policy Act
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- CA Dept. of Fish & Wildlife
- County

Landowners

- Federal Government
- Imperial Irrigation District
- Torrez Martinez Tribal Lands
- Others

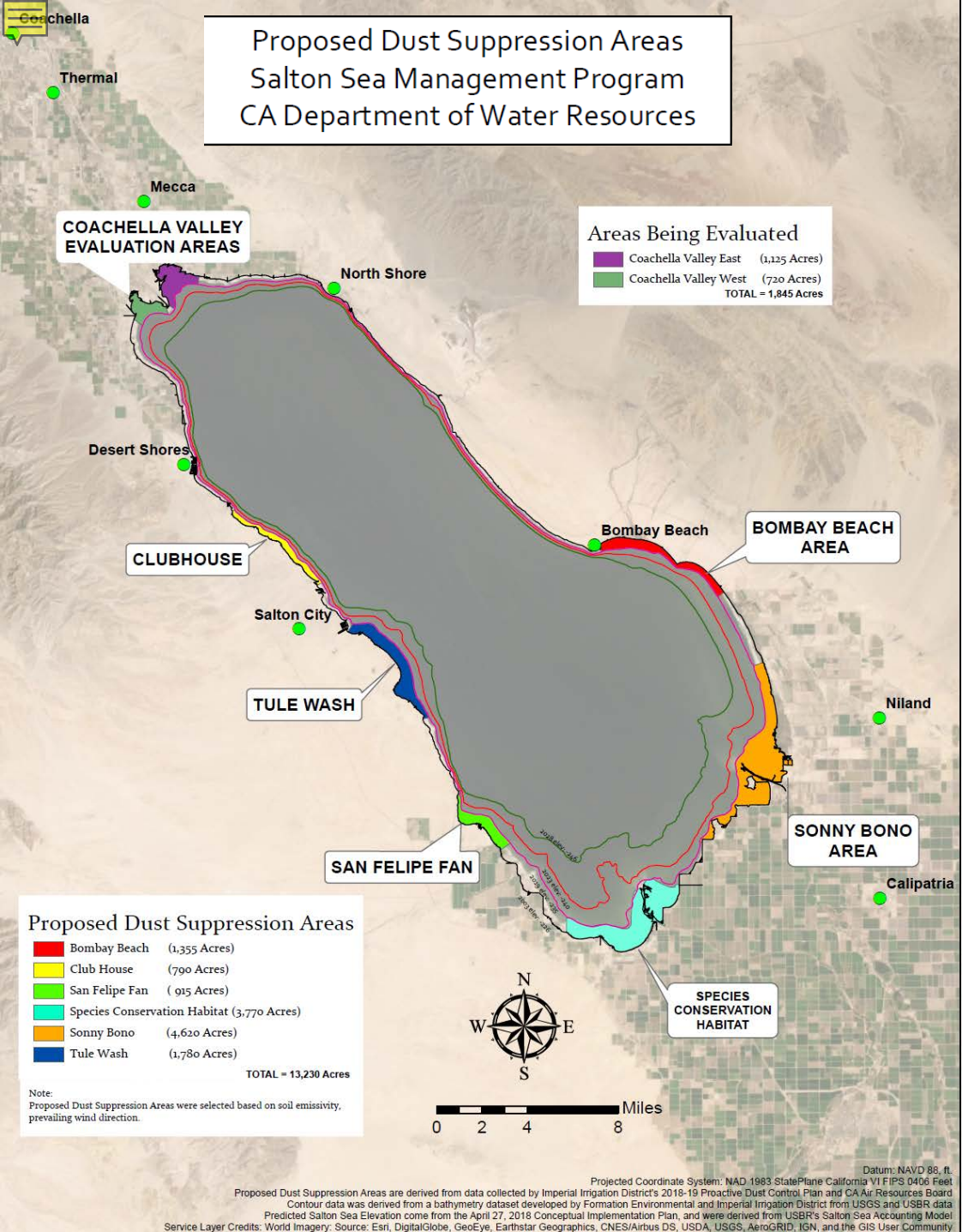


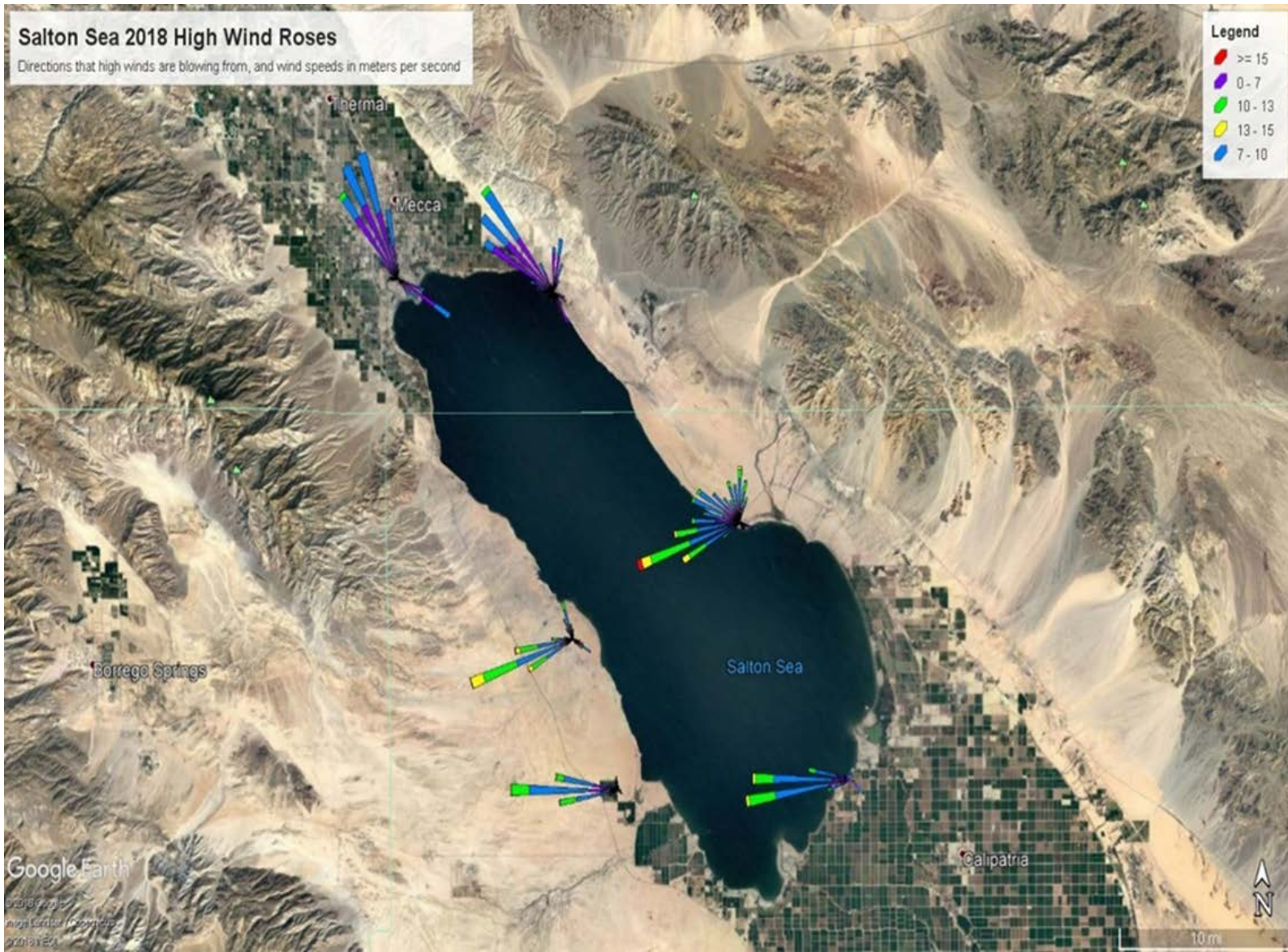
Proposed Dust Suppression Areas
Salton Sea Management Program
CA Department of Water Resources

Proposed Dust Suppression Areas

Driven by science-based data

- Playa emissivity
- Wind speed/direction
- Types of projects
- Water needs
- Maintenance requirements

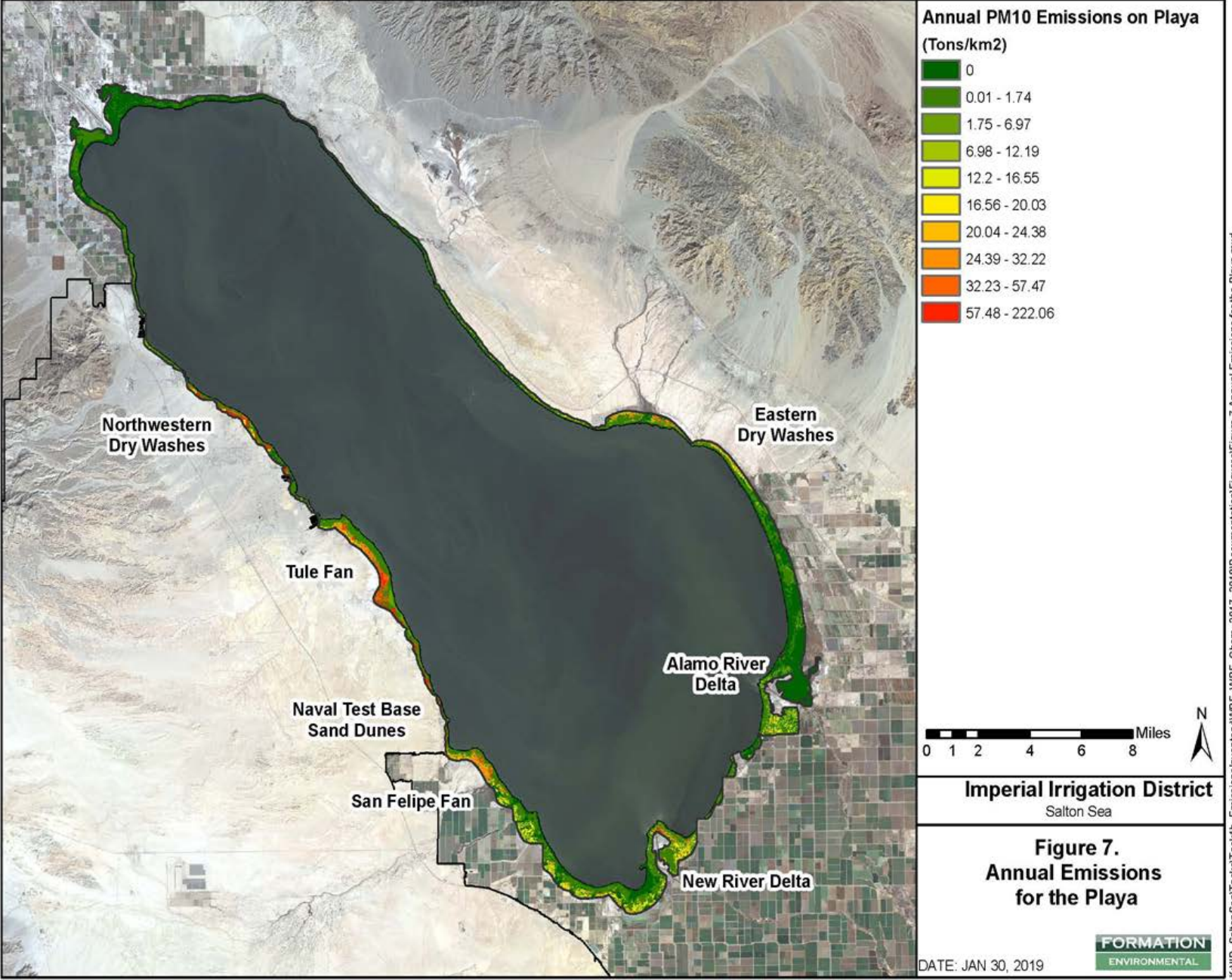




Salton Sea Wind Data Depicts Wind Speed and Direction



2017-2018 Annual PM10 Emissions on Salton Sea Playa



K:\IID_SaltonSea\Tasks\Task1b_EmissionsInventory\WRF_Chem_2017_2018\Documentation\Figures\Figure 7 Annual Emissions for the Playa.mxd





<http://mavensphotoblog.com/wp-content/uploads/2012/04/Owens-Lake-dust-control-project-234.jpg>

Types of Dust Suppression Methods

Waterless Dust Suppression

- Surface Roughing
- Moat and Row
- Gravel Cover 2"/4"
- Suppressants/Surface Stabilizers






Types of Dust Suppression Methods

Water-Dependent Dust Suppression

- Vegetation Enhancement
- Vegetation Swale
- Managed Vegetation
- Shallow Flood
- Brine Stabilization





Next Steps and Timelines

- Consider tonight's feedback
- Develop Draft Plan
- Share Draft Plan/Public-Stakeholder meetings February 2020
- Consider feedback from February 2020 meetings
- Finalize Plan Spring 2020
- Periodic Plan revisions with new information



We want your input ...

Key Points to Consider

- Limitations
- Exposed Playa
- Identified Treatment Areas
- Ease of permitting
- Most effective = LESS DUST