



Air Pollution Control District
San Luis Obispo County

Community Workshop
Draft Particulate Matter Reduction Plan

May 1, 2019
South County Regional Center

AGENDA

- ▶ Workshop Introductions & Logistics
- ▶ APCD Discussion on 2018 Results
- ▶ Intro & Discussion on DPMRP & 2019 Mitigation Plantings
- ▶ Scientific Advisory Group (SAG) Technical Discussion
- ▶ CEQA Process and Annual Plan
- ▶ Oceano Community Monitoring Project

BREAK

- ▶ Question & Answer Period



QUESTIONS & ANSWERS

- ▶ Following the break will be a Question & Answer Panel.
- ▶ To ask a question, please submit **GREEN** question cards by the BREAK. You can place your card in the basket at the APCD Booth or you can hand it to an APCD Staff person.
- ▶ Questions will be organized and collated during the break and will then be addressed during the Question and Answer period.
- ▶ Additional questions can be addressed during the Q&A period if you hold up your question card or hand it to a staff person.



BREAK – 30 MINUTES

- ▶ Following the presentations, there will be a 30 minute break.
- ▶ APCD, State Parks and the Scientific Advisory Group will have booths where you can go and speak to representatives and ask specific questions.



COMMENTS ON THE PLAN

- ▶ APCD will be accepting comments on the **PINK** comment cards.
- ▶ These comments will not be read during the public workshop, however they will be scanned and posted to the SLOCleanAir.org website following this workshop.
- ▶ You may also submit comments until **May 15, 2019** by emailing them to info@slocleanair.org





EFFECT OF 2018 MITIGATIONS

Karl Tupper, SLO County APCD

ktupper@co.slo.ca.us

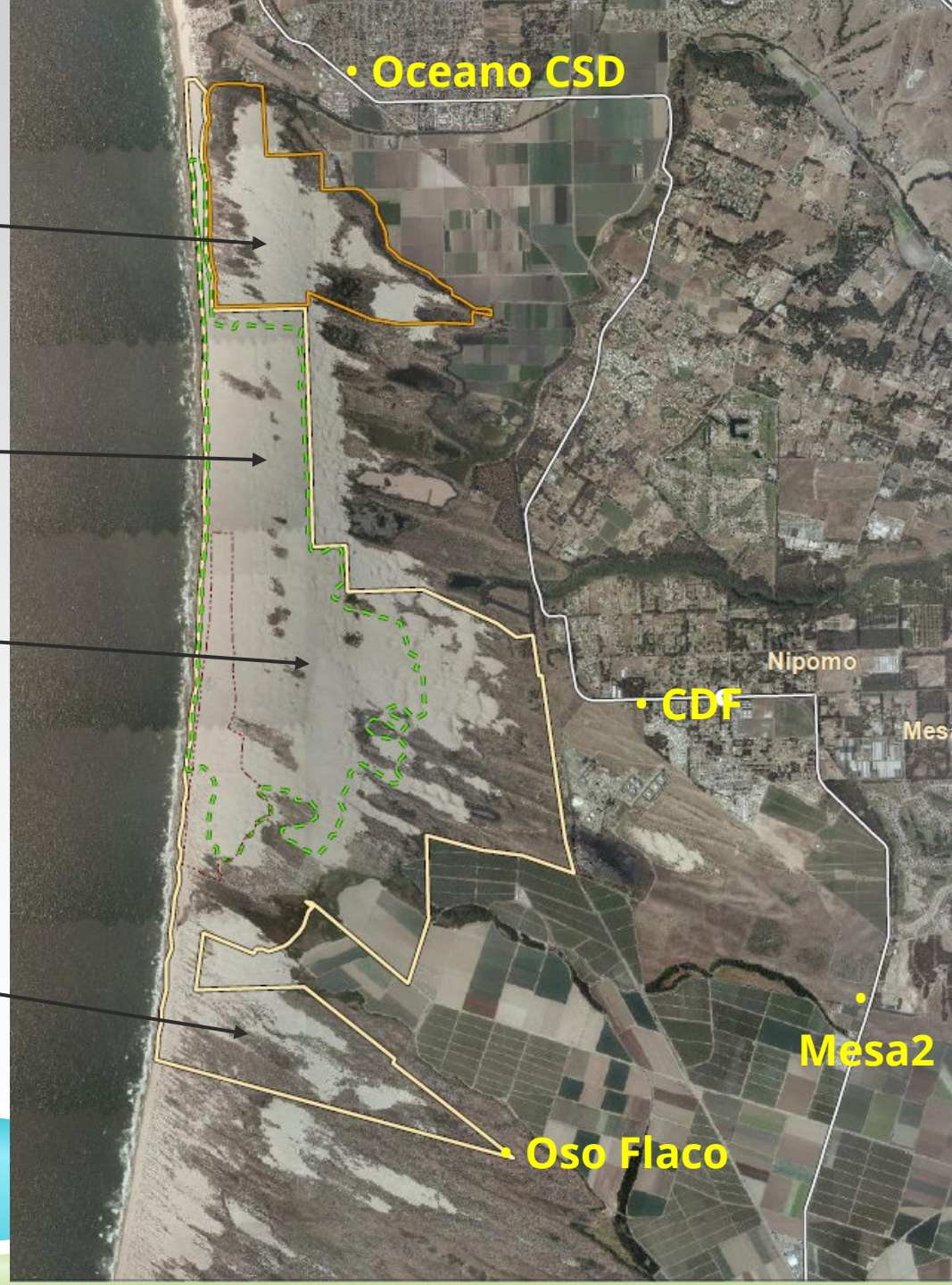
805.781.4656

Dune Preserve
riding prohibited (orange)

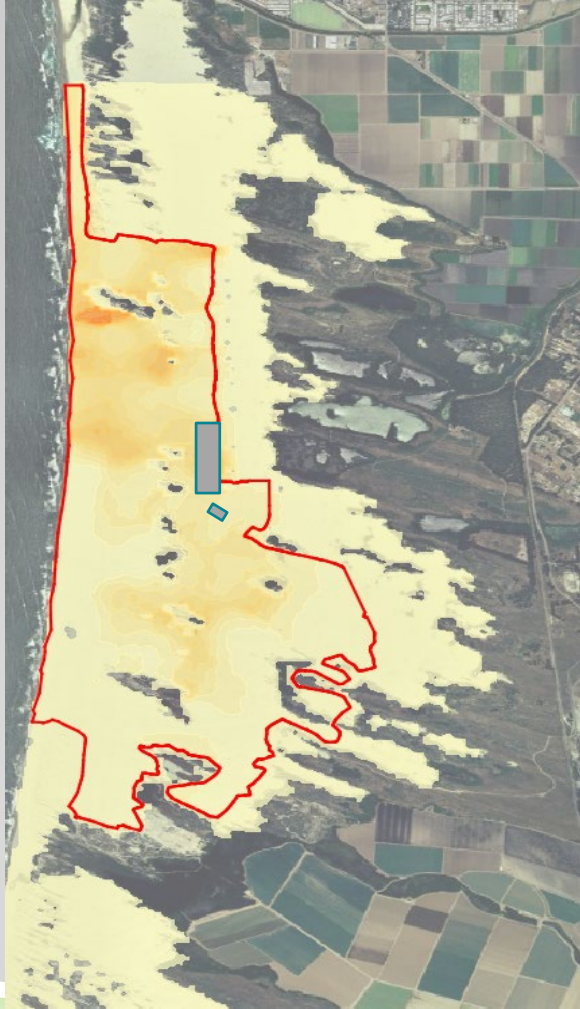
ODSVRA
3,600 acres total (yellow)

Riding Area
1,500 acres (green dashes)

Oso Flaco Area
riding prohibited

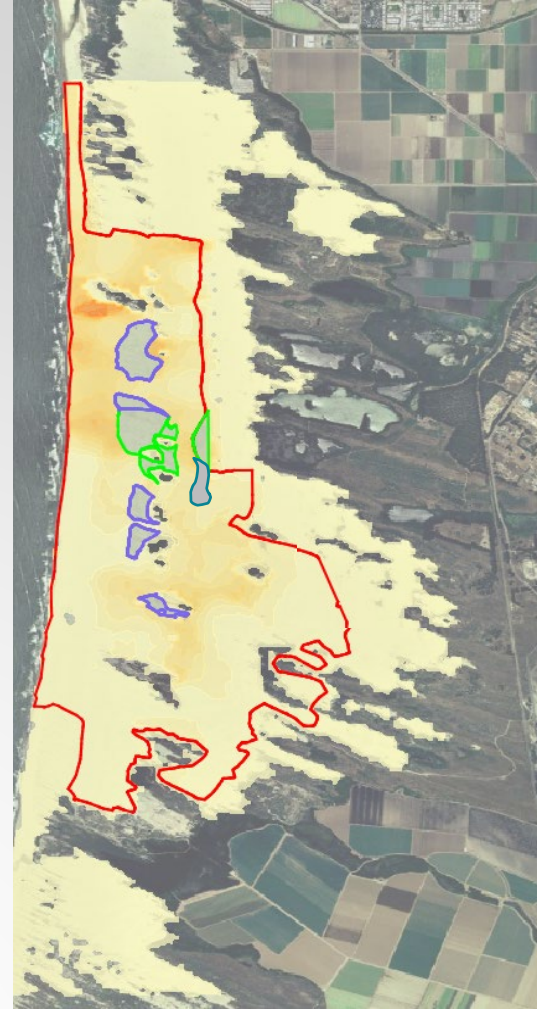


2017: ~22 Acres of Mitigation



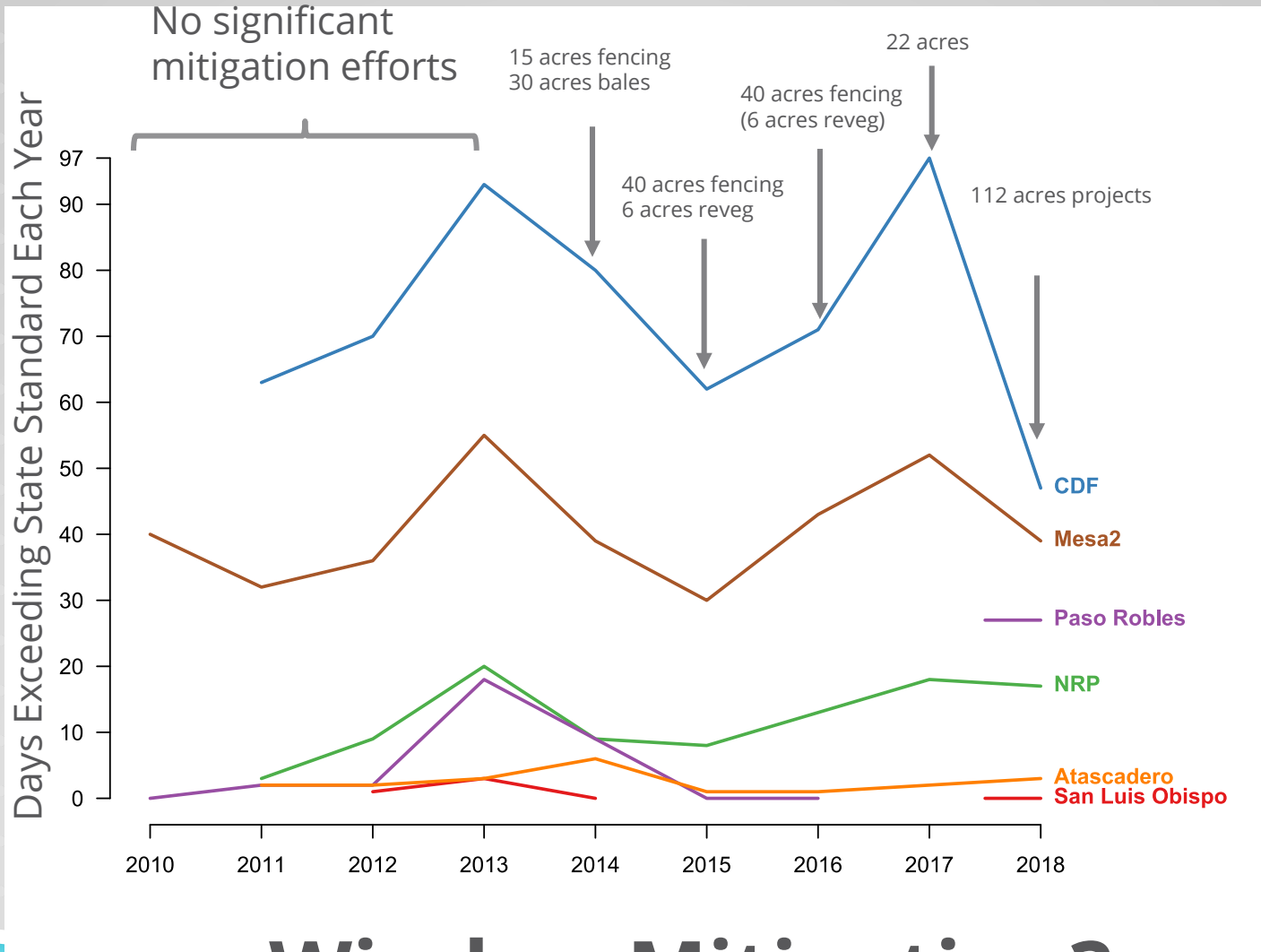
97 Exceedances at CDF

2018: ~112 Acres of Mitigation



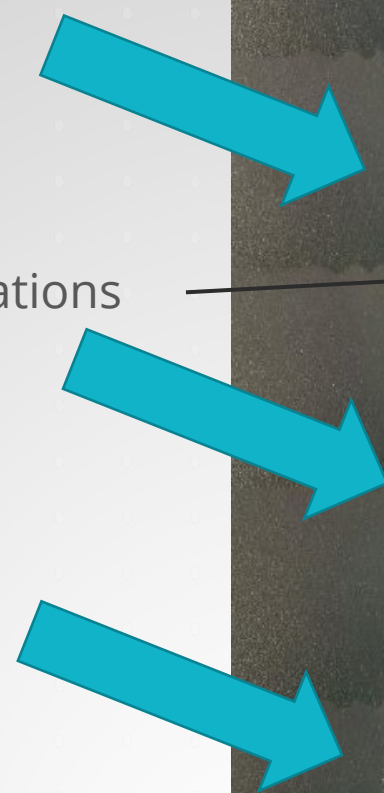
47 Exceedances at CDF

State PM10 Standard: 24-hour average of $50 \mu\text{g}/\text{m}^3$



Wind or Mitigation?

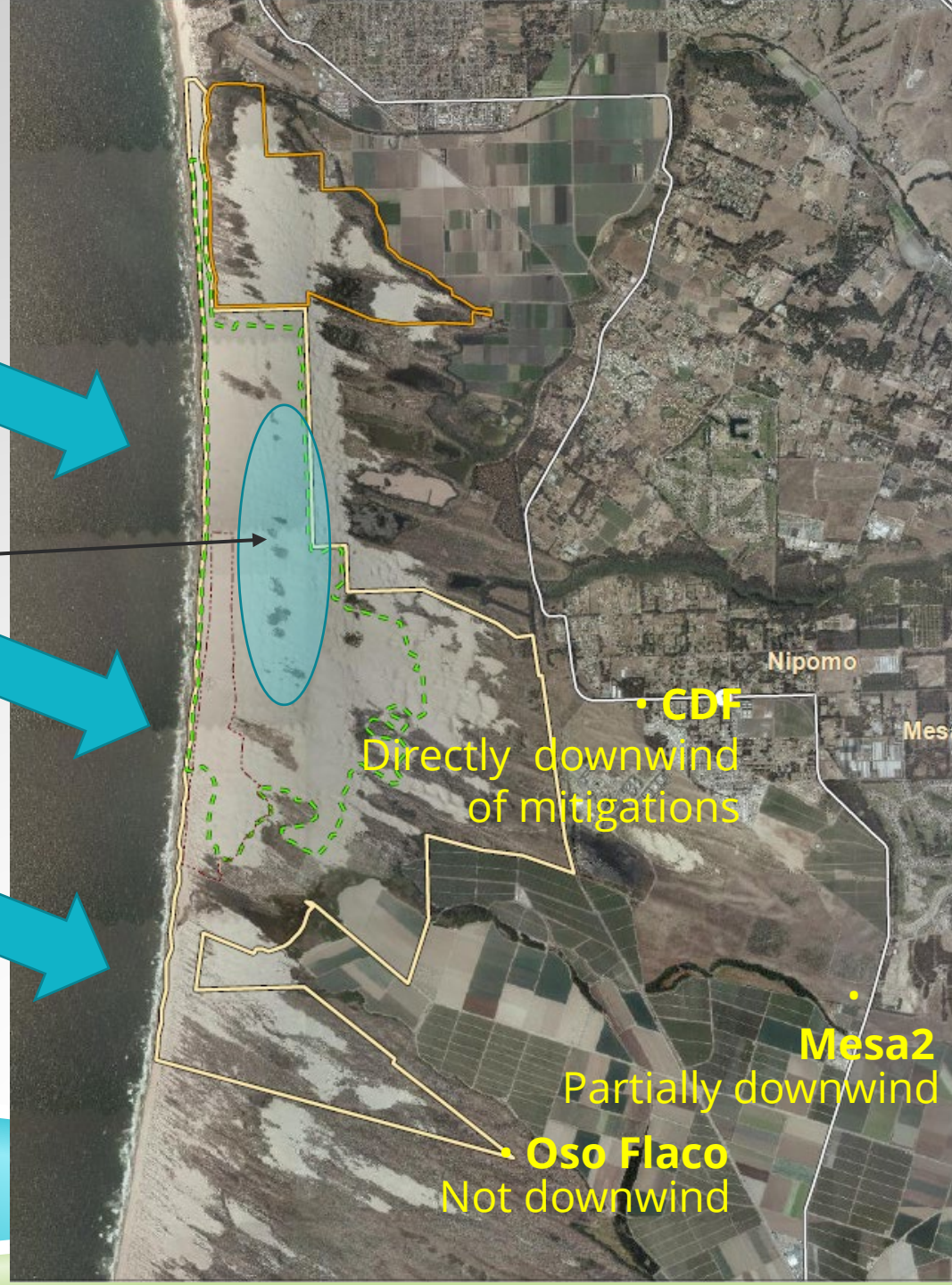
General area of 2018 mitigations



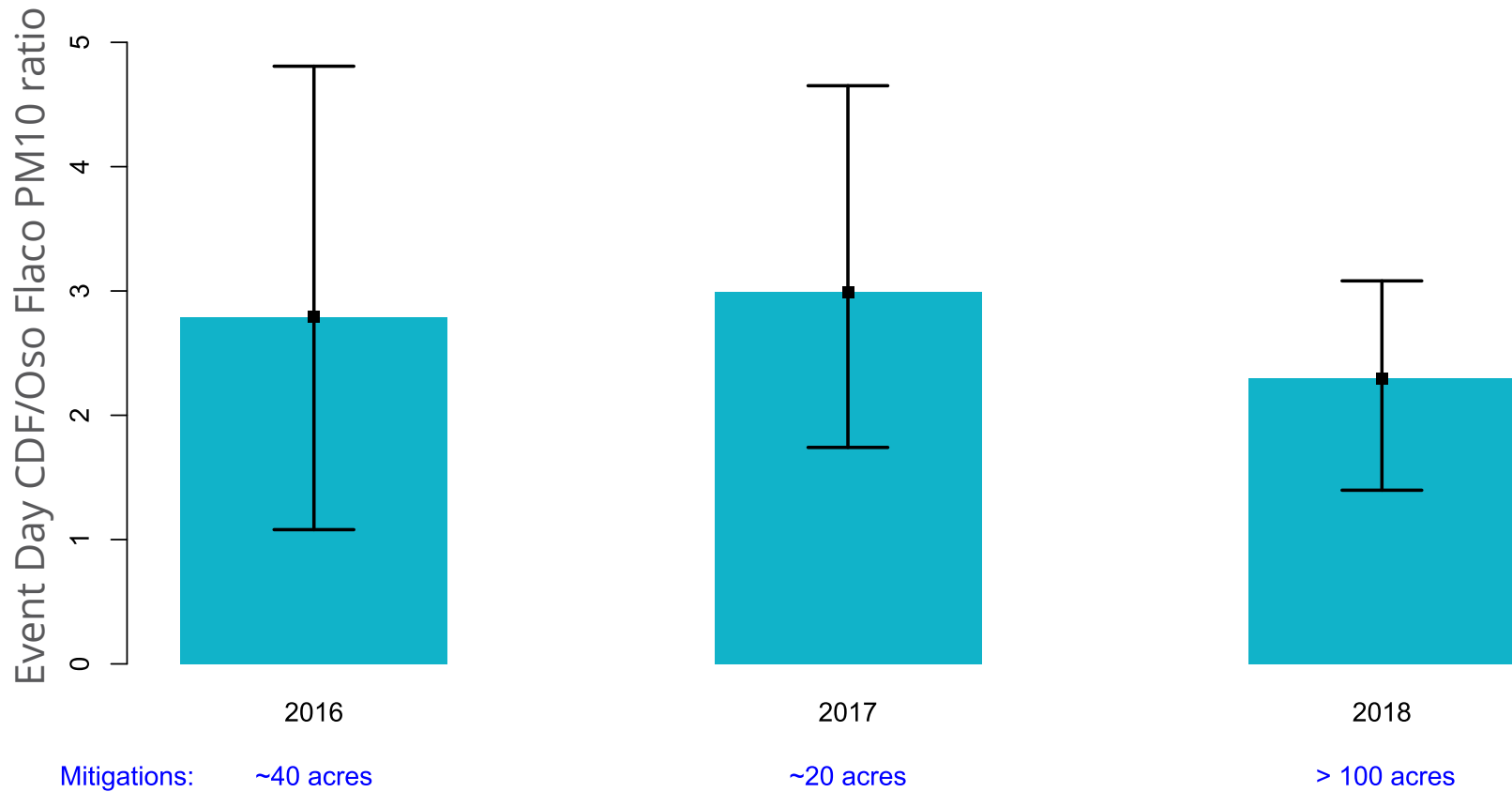
CDF
Directly downwind
of mitigations

Mesa2
Partially downwind

Oso Flaco
Not downwind



METEOROLOGY OR MITIGATION?



QUANTITATIVELY...

- ▶ 2016 vs 2017: no significant difference
 - ▶ (40 vs 22 acres of mitigations)
- ▶ 2017 vs 2018: **statistically significant** 22% decrease in CDF PM10
 - ▶ (22 vs 112 acres of mitigations)
- ▶ For full details, see “SLO County APCD’s Preliminary Review Letter” of Park’s Draft PMRP, dated February 25, 2019.
<https://www.slocleanair.org/air-quality/oceano-dunes-efforts.php>



CRYSTALLINE SILICA

- ▶ ODSVRA beach sand is ~50% quartz, quartz is crystalline silica
 - ▶ Respirable crystalline silica is known to cause lung cancer, silicosis, COPD, kidney disease
- ▶ OSHA regulates respirable crystalline silica as a workplace hazard
 - ▶ OSHA Standard: 8-hr average of 50 $\mu\text{g}/\text{m}^3$
 - ▶ APCD does not enforce OSHA standards, and there is no standard for ambient silica
- ▶ APCD collected 8 samples for silica analysis in 2017 & 2018
 - ▶ All from CDF during windblown dust events when PM10 exceeded state standard.
 - ▶ None exceeded OSHA silica standard.
 - ▶ Silica detected in 6 of 8 samples; highest values was 20 $\mu\text{g}/\text{m}^3$
 - ▶ **Questions about sampling methodology**
 - ▶ See 2017 Annual Air Quality Report (Appendix B) for details
 - ▶ <https://www.slocleanair.org/library/air-quality-reports.php>
- ▶ 2019: Additional sampling with improved method
 - ▶ 4 samples so far: none exceeded OSHA standard (24-hr samples)

*Introduction &
Discussion of DPMRP &
2019 Mitigation Plantings*

*Scientific Advisory Group
Technical Discussion*



*Presentation of CEQA
Process & Annual Plan*



Weather Proof Enclosure at the OCSD

OCEANO COMMUNITY MONITORING PROJECT

Jackie Mansoor, SLO County APCD

jmansoor@co.slo.ca.us

805.781.5983

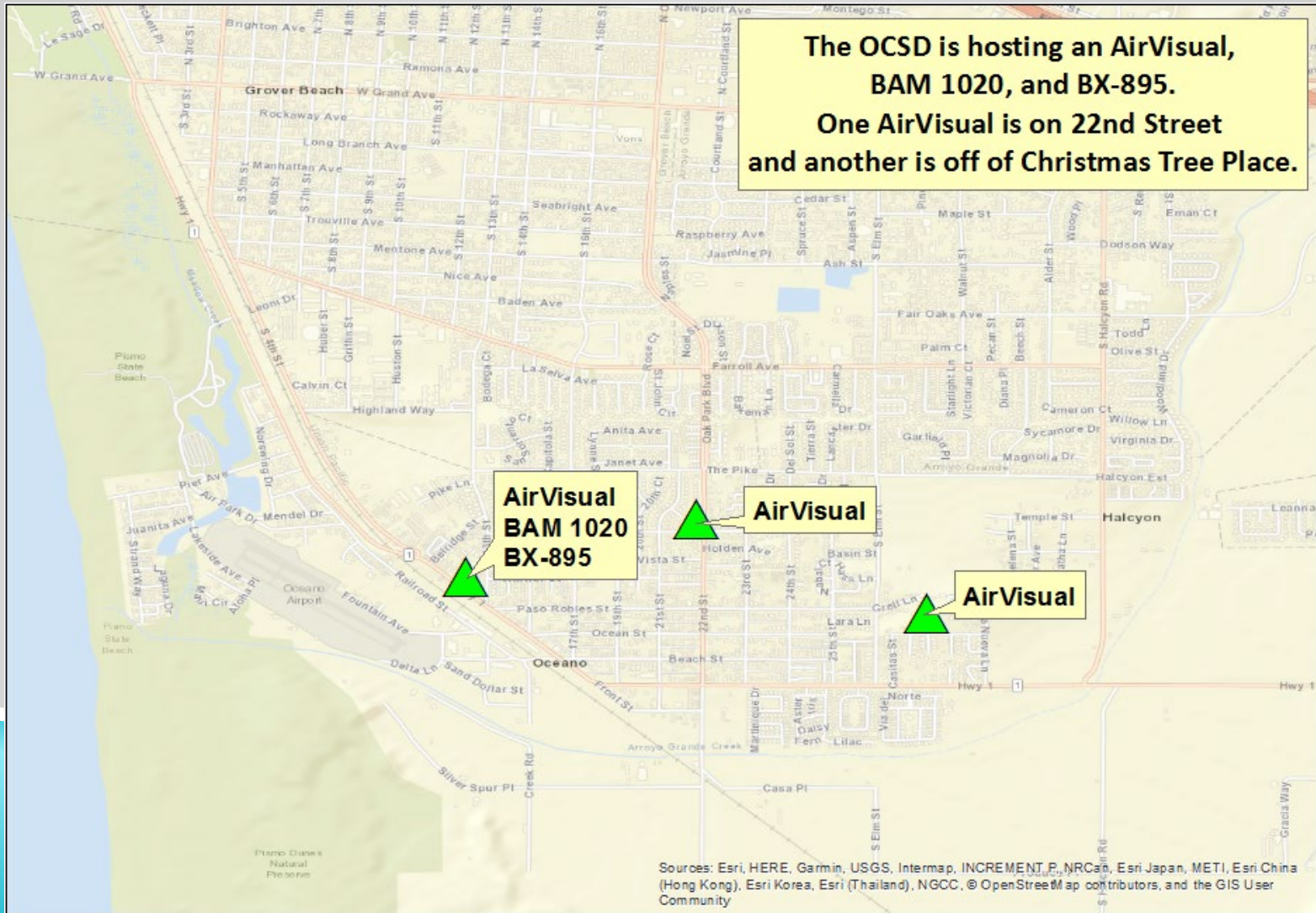
WHY IS THE APCD PLACING AIR MONITORS IN THE OCEANO COMMUNITY?

- ▶ In March of 2018, a resident of Oceano nominated their community to the Community Air Protection Program.
 - ▶ CARB established the CAP Program to focus on reducing exposure in low-income and disadvantaged communities
 - ▶ A lack of ambient air quality monitoring was identified in the nomination
 - ▶ To address this concern, the APCD is allocating CAP funding to purchase, install, and manage sensors to measure particulate matter concentrations in Oceano



WHERE ARE THE MONITORS LOCATED?

- ▶ The APCD has deployed 5 monitors in Oceano at 3 locations:



WHAT TYPE OF MONITORS WERE DEPLOYED?

Cost

AirVisual



BX-895

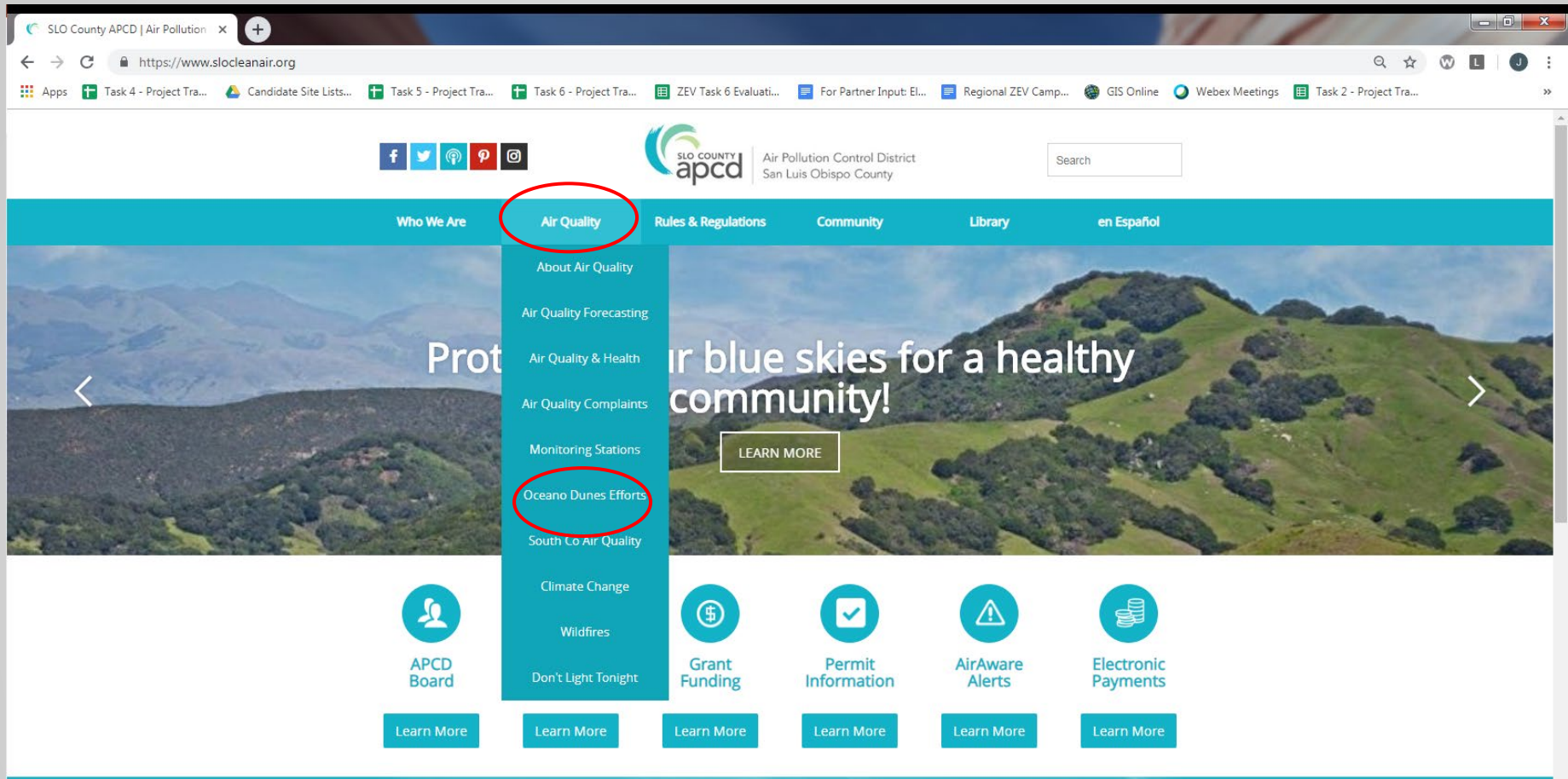


BAM 1020



Accuracy

HOW CAN I ACCESS THE OCEANO MONITORING DATA?



The screenshot shows the SLO County APCD website. The browser address bar displays <https://www.slocleanair.org>. The website header includes social media icons (Facebook, Twitter, YouTube, Instagram) and the APCD logo. The main navigation menu is highlighted in teal, with 'Air Quality' selected. A dropdown menu is visible under 'Air Quality', listing several options: 'About Air Quality', 'Air Quality Forecasting', 'Air Quality & Health', 'Air Quality Complaints', 'Monitoring Stations', 'Oceano Dunes Efforts', and 'South Co Air Quality'. The 'Oceano Dunes Efforts' option is circled in red. Below the navigation menu, there is a large banner image of a green hillside with the text 'Protect our blue skies for a healthy community!' and a 'LEARN MORE' button. At the bottom of the page, there are six service icons: 'APCD Board', 'Wildfires', 'Grant Funding', 'Permit Information', 'AirAware Alerts', and 'Electronic Payments', each with a corresponding 'Learn More' button.

- ▶ Copy this link into your Browser: [slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php](https://www.slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php)

HOW CAN I ACCESS THE OCEANO MONITORING DATA?

The screenshot shows the SLO County APCD website. The browser address bar displays the URL: <https://www.slocleanair.org/air-quality/oceano-dunes-efforts.php>. The website header includes the SLO County APCD logo and the text "Air Pollution Control District San Luis Obispo County". A search bar is located in the top right corner. The main navigation menu includes: Who We Are, Air Quality, Rules & Regulations, Community, Library, and en Español. The main content area features a large banner image of a person on a monitoring station with the text "Monitoring & Reporting Air Quality" and a "LEARN MORE" button. Below the banner, there are two columns of content. The left column is titled "Oceano Dunes Particulate Emissions Reduction Efforts" and includes an "April 1, 2019 Update" and a link to a Stipulated Order of Abatement. The right column is titled "Oceano Dunes Efforts" and contains a list of links: "South County Particulate Matter Studies & Related Documents" and "Oceano Community Monitoring" (which is circled in red), followed by "Today's Air Quality Forecast".

► Copy this link into your Browser: [slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php](https://www.slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php)

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Ocean Community Monitoring

In response to [Assembly Bill 617](#) (C. Garcia, Chapter 136, Statutes of 2017), the California Air Resources Board established the [Community Air Protection Program](#) (CAPP or Program). The Program's focus is to reduce exposure in communities most impacted by air pollution. This program is unique in the fact that residents from across the state could nominate their own community to the California Air Resource Board for consideration into the Program.

In March of 2018, a resident of Oceano nominated their community to the Program. A lack of ambient air quality monitoring in Oceano was identified in the nomination and to address this community concern, the APCD is allocating Community Air Protection funding to purchase, install, and manage particulate matter (PM) sensors in Oceano.

Ocean Dunes Efforts

- [South County Community Monitoring Project](#)
- [South County Particulate Matter Studies & Related Documents](#)
- [Ocean Community Monitoring](#)

Today's Air Quality Forecast

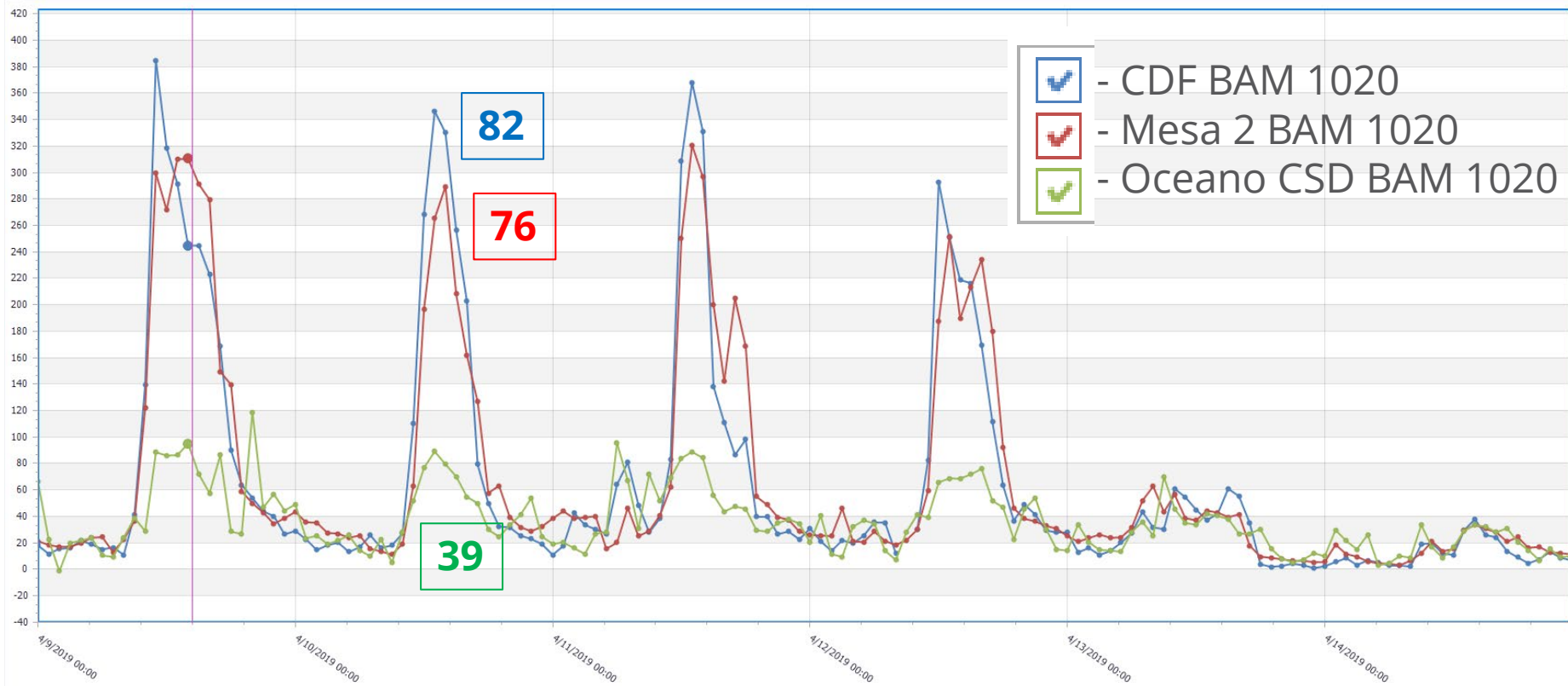
► Copy this link into your Browser: [slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php](https://www.slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php)

WHERE ARE THE BAM MONITORS LOCATED?



HOW DOES THE OCEANO BAM MONITOR COMPARE TO THE BAM MONITOR AT MESA 2 AND CDF?

PM10 - Micrograms/Cubic Meter



Date - April 9th through April 15, 2019

WHERE CAN I GET MORE INFORMATION?

- ▶ More information is displayed on our website:
 - ▶ slocleanair.org/air-quality/oceano-dunes-efforts/oceano-monitoring.php
- ▶ Come by our booth at the break!



BREAK

(30 Minutes)

*Please submit all **GREEN** Question Cards to the APCD Booth now so that questions may be organized for the Q&A Panel following the break.*



PANEL QUESTION & ANSWERS

- ▶ **GREEN** Question Cards have been organized to group similar questions together to avoid redundancy.
- ▶ The questions will be read off of the cards and the appropriate panel member will answer the question.
- ▶ We will get to as many questions as we can – however not all may be answered.
- ▶ APCD will develop a Frequently Asked Questions paper following the workshop to address common questions and post to SLOCleanAir.org.
- ▶ If you have additional questions, you can email us at info@slocleanair.org.



THANK YOU FOR ATTENDING

▶ Next Steps

- ▶ APCD will work with State Parks and the Scientific Advisory Group to complete the final Particulate Matter Reduction Plan.
- ▶ A follow-up workshop will be announced in the Fall.

