

**AB 617 Community Air Protection Program**  
**North-End Community: Brawley-Westmorland-Calipatria**  
**Steering Committee Meeting Agenda**  
**Virtual Meeting via Zoom**  
**(Being Held in ICAPCD Office at 150 S 9<sup>th</sup> St, El Centro CA 92243)**

**MEETING AGENDA**  
**Monday, January 29, 2024**  
**5:30 p.m. – 7:30 p.m.**

**Facilitator: Imperial County Air Pollution Control District**

*Members of the public may connect to this meeting on Zoom from a PC, Mac, iPad, iPhone, or Android device by clicking the following link to join:*

[https://us06web.zoom.us/j/84815587566?pwd=mxPB8IPeAne4pISIMt60lthXXT52yA.M1AW\\_p6Z6\\_GBEVZa](https://us06web.zoom.us/j/84815587566?pwd=mxPB8IPeAne4pISIMt60lthXXT52yA.M1AW_p6Z6_GBEVZa)

**WEBINAR ID: 848 1558 7566**

**Passcode: 655225**

*To join by telephone, please dial: +1-253-205-0468 and enter the Webinar ID: 848 1558 7566 and Passcode: 655225.*

**WELCOME**

- 1. ROLL CALL/OPENING REMARKS BY CSC MEMBERS** **ICAPCD**
  
- 2. PUBLIC COMMENT PERIOD** **ICAPCD**  
Comments are to be limited to no more than 3 minutes per person.
  
- 3. ACTION ITEMS:**
  - A. CAMP - Community Sensor Model Discussion and Selection** **SCS Engineering**  
SCS Engineering will present the CAMP – PM2.5 and PM10 Community Sensor Models available. Discussion will be held on the key features of each type of sensor, with the CSC voting on the selection of the sensor.  
*(Attachment: [CAMP - Community Sensor Model Presentation](#))*
  
  - B. CAMP – First Sensor Location Discussion and Selection** **ICAPCD**  
Presentation of the proposed sensor locations from the CSC. Discussion will be held regarding each proposed site, with the CSC voting on the first sensor location.  
*(Attachment: [CSC Proposed Sensor Sites](#))*
  
- 4. DISCUSSION/INFORMATION ITEMS**
  - A. Imperial County AB 617 North-End Corridor Open Discussion** **ICAPCD**  
Open discussion regarding the Imperial County AB 617 North-End Corridor.
  
- 5. AGENCY UPDATES** **ICAPCD**
  
- 6. AGENDA TOPICS FOR NEXT MEETING** **ICAPCD**  
Discuss the next CSC meeting for February 26, 2024.
  
- 7. CLOSING REMARKS/AJOURNMENT** **ICAPCD**

**AB 617 Programa de Protección del Aire Comunitario  
Comunidad North-End: Brawley-Westmorland-Calipatria  
Agenda De La Reunión Del Comité Directivo**

**Virtual Meeting via Zoom**

**(Being Held in ICAPCD Office at 150 S 9<sup>th</sup> St, El Centro CA 92243)**

**AGENDA DE LA REUNIÓN**

**Lunes, 29 de Enero, 2024**

**5:30 p.m. – 7:30 p.m.**

**Facilitador: Imperial County Air Pollution Control District**

*Los miembros del público pueden conectarse a esta reunión en Zoom desde una PC, Mac, iPad, iPhone o dispositivo Android haciendo clic en el siguiente enlace para unirse:*

[https://us06web.zoom.us/j/84815587566?pwd=mxPB8IPeAne4pISIMt60IthXXT52yA.M1AW\\_p6Z6\\_GBEVZa](https://us06web.zoom.us/j/84815587566?pwd=mxPB8IPeAne4pISIMt60IthXXT52yA.M1AW_p6Z6_GBEVZa)

**ID de la reunión: 848 1558 7566**

**Código de acceso: 655225**

*Para unirse por teléfono, marque: +1-253-205-0468 e ingrese ID de la reunión: 848 1558 7566 y el código de acceso: 655225.*

**BIENVENIDO**

- 1. PASO DE LISTA / PALABRAS DE APERTURA DE LOS MIEMBROS DEL CSC** **ICAPCD**
- 2. PERIODO DE COMENTARIOS PÚBLICOS** **ICAPCD**  
Los comentarios deben limitarse a no más de 3 minutos por persona.
- 3. ARTÍCULOS DE ACCIÓN:**
  - A. CAMP - Discusión y selección del modelo de sensor comunitario** **SCS Engineering**  
SCS Engineering presentará los modelos CAMP – PM2.5 y PM10 Community Sensor disponibles. Se llevará a cabo un debate sobre las características clave de cada tipo de sensor, y el CSC votará sobre la selección del sensor.  
*(Adjunto: [CAMP - Presentación del modelo de sensor comunitario](#))*
  - B. CAMP – Discusión y selección de la ubicación del primer sensor** **ICAPCD**  
Presentación de las ubicaciones de sensores propuestas desde el CSC. Se llevará a cabo una discusión sobre cada sitio propuesto, y el CSC votará sobre la ubicación del primer sensor.  
*(Adjunto: [Sitios de sensores propuestos por CSC](#))*
- 4. ARTÍCULOS DE DISCUSIÓN/INFORMACIÓN**
  - A. Discusión abierta sobre el corredor extremo norte AB 617 del condado de Imperial** **ICAPCD**  
Discusión abierta sobre el corredor extremo norte AB 617 del condado de Imperial.
- 5. ACTUALIZACIONES DE LA AGENCIA** **ICAPCD**

**AB 617 Programa de Protección del Aire Comunitario  
Comunidad North-End: Brawley-Westmorland-Calipatria  
Agenda De La Reunión Del Comité Directivo**

**Virtual Meeting via Zoom**

**(Being Held in ICAPCD Office at 150 S 9<sup>th</sup> St, El Centro CA 92243)**

- |   |               |
|---|---------------|
| <b>6. TEMAS DEL AGENDA PARA LA PRÓXIMA REUNIÓN</b>                | <b>ICAPCD</b> |
| Discuta la próxima reunión del CSC para el 26 de febrero de 2024. |               |
| <b>7. OBSERVACIONES DE CLAUSURA/CIERRE DE CLAUSURA</b>            | <b>ICAPCD</b> |

### **3. Action Items:**






#### **A. CAMP – Community Sensor Model Discussion and Selection (SCS Engineering)**







# AB 617 North End PM10 and PM2.5 Community Sensors.

Paul Schafer  
José Landeros  
Sergio Valenzuela

# PM Sensors

Sensor Image	Make (Model)	Est. Cost (USD)	Pollutant(s)	•Field R2	•Lab R2	•Field MAE ( $\mu\text{g}/\text{m}^3$ )	•Lab MAE ( $\mu\text{g}/\text{m}^3$ )	Quoted Cost	Lead Time	Additional Parameters ?	Data Hosting?	Summary Report
	<a href="#">PurpleAir</a>	\$200.00	PM1.0	0.96 to 0.98	0.99		11.7 to 15.9	\$289.00	1 Week	No	Cloud (Service Included)	PDF
	(PA-II)		PM2.5	0.93 to 0.97	0.99		1.7 to 4.2					
			PM10	0.66 to 0.70	0.95		15.6 to 20.5					
	<a href="#">TSI</a>	\$400	PM2.5	0.65 to 0.76	0.99	4.9 to 5.9	3.1 to 6.2	\$805.00	2 Weeks	PM-4	Cloud	PDF
			PM10	0.09 to 0.21	-	22.7 to 26.3	-					
	<a href="#">Air Quality Egg</a>	\$671	PM1.0	0.84 to 0.89	-	2.9 to 3.9	-	\$890.00	2 Weeks	CO2, NO2, SO2, O3, Co, VOC	Cloud (Service Included)	PDF
	(2022 Model)		PM2.5	0.88 to 0.90	0.99	6.0 to 7.1	5.0 to 8.0					
			PM10	0.29 to 0.52	-	18.5 to 20.8	-					
	<a href="#">QuantAQ</a>	\$1,295	PM1.0	0.87 to 0.94	-	4.1 to 6.8		\$2,000.00	2 Weeks	No	Cloud (Service Not Included)	
	(MODULAIR-PM)		PM2.5	0.84 to 0.88	-	4.0 to 5.2						
			PM10	0.46 to 0.78	-	14.7 to 21.6						
	Met One (Es-405)	\$5,200	PM1.0	0.84 to 0.91	-	2.8 to 3.6	-	\$5,200.00	2 Weeks	No	Manual	PDF
			PM2.5	0.80 to 0.92	0.99	3.5 to 4.0	19.0 to 21.2					
			PM10	0.78 to 0.92	0.99	4.5 to 8.9	10.4 to 24.4					

# PM Sensors

Sensor Image	Make (Model)	Pollutant(s)	•Field R2	Principle of Operation	Battery	Environmental conditions	Weather proof	Communication and logging
	<a href="#">PurpleAir</a>	PM1.0	0.96 to 0.98	Laser Particle Counter	No	NA	Yes	PurpleAir Map
	(PA-II)	PM2.5	0.93 to 0.97					
		PM10	0.66 to 0.70					
	<a href="#">Air Quality Egg</a>	PM1.0	0.84 to 0.89	Laser Particle Counter	No	0 - 40°C, 0 - 99% RH	No	Wi-Fi and USB
	(2022 Model)	PM2.5	0.88 to 0.90					
		PM10	0.29 to 0.52					
	<a href="#">QuantAQ</a>	PM1.0	0.87 to 0.94	Laser Particle Counter	No	- 20 - 60°C, 5 - 95% RH	Yes	QauntaAQ Dashboard
	(MODULAIR-PM)	PM2.5	0.84 to 0.88					
		PM10	0.46 to 0.78					
	Met One (Es-405)	PM1.0	0.84 to 0.91	Laser Particle Counter	No	0 - 50°C, 0 - 55% RH	Yes	USB
		PM2.5	0.80 to 0.92					
		PM10	0.78 to 0.92					

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
PurpleAir PA-II

Pollutants:  
PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>

Measurement Range:  
0 - 500 µg/m<sup>3</sup>

Type: Optical



### Evaluation Summary

- Overall, the three PurpleAir PA-II sensors showed moderate to good accuracy, compared to the reference instrument for PM<sub>1</sub>, PM<sub>2.5</sub>, and PM<sub>10</sub>, for a concentration range between 0 to 250 µg/m<sup>3</sup>.
- The three PA-II sensors exhibited high precision for most of the tested T/RH combinations.
- PA-II sensors showed low intra-model variability as well as good sensor a and b correlation in each node.
- PA-II sensors had good data recovery (95%).
- For PM<sub>1</sub> and PM<sub>2.5</sub>, the PA-II sensors had very strong correlations with the reference instrument from both the field (PM<sub>1.0</sub> R<sup>2</sup> > 0.96, PM<sub>2.5</sub> R<sup>2</sup> > 0.93) and laboratory studies (PM<sub>1</sub> R<sup>2</sup> > 0.99, PM<sub>2.5</sub> R<sup>2</sup> > 0.99). For PM<sub>10</sub>, the PA-II sensors did not always follow the concentration change recorded by FEM instrument in the field (PM<sub>10</sub> R<sup>2</sup> > 0.66), however in the laboratory, the PA-II sensors followed the concentration ramping (increasing) change, reporting (PM<sub>10</sub> R<sup>2</sup> > 0.95).



# AQ-SPEC

Air Quality Sensor Performance Evaluation Center

## Sensor Description

Manufacturer/Model:  
PurpleAir PA-II

Pollutants:  
PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>

Measurement Range:  
0 - 500 µg/m<sup>3</sup>

Type: Optical



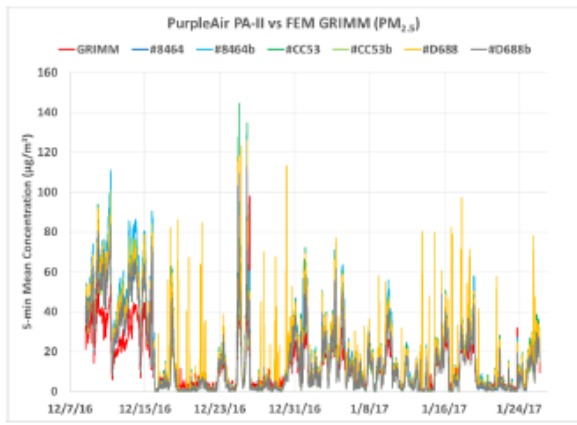
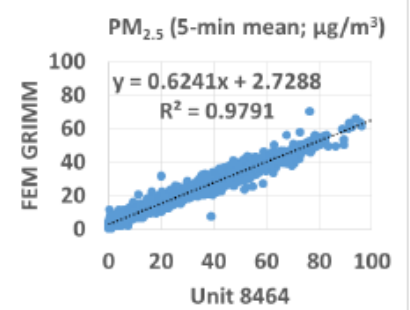
## Field Evaluation Highlights

- Deployment period 12/18/2016- 01/26/2017: the three PA-II nodes showed very strong correlations with the PM<sub>1</sub>, PM<sub>2.5</sub> concentration change as monitored by GRIMM and BAM. PA-II nodes did not always follow the PM<sub>10</sub> concentration change.
- The units showed 95-99% data recovery as well as low intra-model variability.

PM<sub>1.0</sub> R<sup>2</sup> ~ 0.96 to 0.98

PM<sub>2.5</sub> R<sup>2</sup> ~ 0.93 to 0.97

PM<sub>10</sub> R<sup>2</sup> ~ 0.66 to 0.70



Coefficient of Determination (R<sup>2</sup>) quantifies how the three sensors followed the PM concentration change by GRIMM. An R<sup>2</sup> approaching the value of 1 reflects a near perfect agreement, whereas a value of 0 indicates a complete lack of correlation.

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
Wicked Device/Air Quality  
Egg 2022 Model

Pollutants:  
PM<sub>1.0</sub> (only analyzed from  
field evaluation), PM<sub>2.5</sub>, PM<sub>10</sub>  
mass concentration, and CO  
(ppm)

Time Resolution:  
1-min



### Evaluation Summary

- The accuracy of the Air Quality Egg 2022 Model sensors for PM<sub>2.5</sub> was 63.9% to 96.5% and the accuracy was higher at higher PM<sub>2.5</sub> concentrations. The Air Quality Egg 2022 Model sensors overestimated PM<sub>2.5</sub> at concentrations < 100 µg/m<sup>3</sup> and underestimated PM<sub>2.5</sub> at concentrations > 100 µg/m<sup>3</sup> compared to the T640x in the lab.
- The Air Quality Egg 2022 Model sensors exhibited high precision for all conc., T/RH combinations for PM<sub>2.5</sub>.
- The Air Quality Egg 2022 Model sensors showed low intra-model variability for PM<sub>2.5</sub> in the lab.
- Data recovery was > 99% from all units tested in the field and laboratory evaluations.
- For PM<sub>1.0</sub>, Air Quality Egg 2022 Model sensors showed strong correlations, strong to very strong correlations for PM<sub>2.5</sub> and very weak to moderate correlations for PM<sub>10</sub> with the reference instruments from the field; and very strong correlations with the reference instruments in the laboratory studies ( $R^2 > 0.99$  for PM<sub>2.5</sub>).
- The same Air Quality Egg 2022 Model units were tested both in the field (1<sup>st</sup> stage of testing) and in the laboratory (2<sup>nd</sup> stage of testing) against ref. instruments.

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
Wicked Device/Air Quality Egg 2022 Model

Pollutants:  
PM<sub>1.0</sub> (only analyzed from field evaluation), PM<sub>2.5</sub>, PM<sub>10</sub> mass concentration, and CO (ppm)

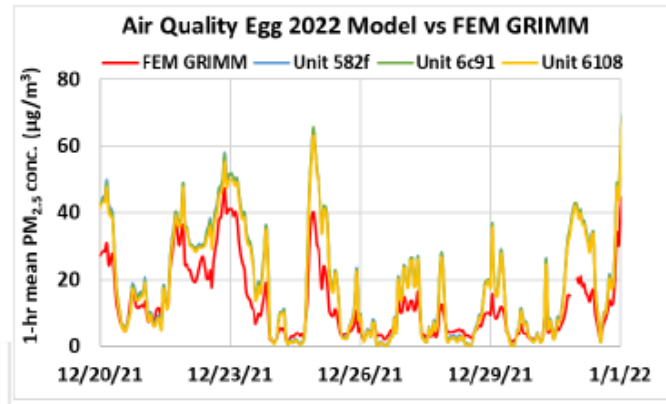
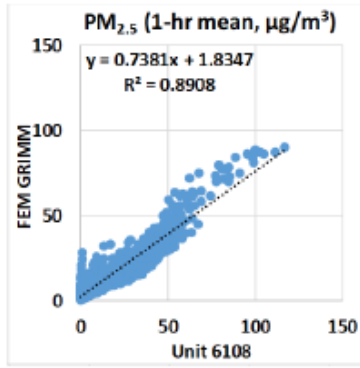
Time Resolution:  
1-min



### Field Evaluation Highlights

- Deployment period 11/20/2021 - 01/19/2022: the Air Quality Egg 2022 Model sensors showed strong to very strong correlations with the PM<sub>1.0</sub> and PM<sub>2.5</sub> mass conc. as recorded by GRIMM and T640 and very weak to moderate correlations with the corresponding BAM, GRIMM and T640 data for PM<sub>10</sub> mass conc.
- Data recovery from the units was ~ 99%.

- 1-hr mean, all ref. inst.
- PM<sub>1.0</sub>: 0.85 < R<sup>2</sup> < 0.90
- PM<sub>2.5</sub>: 0.80 < R<sup>2</sup> < 0.91
- PM<sub>10</sub>: 0.29 < R<sup>2</sup> < 0.54



Coefficient of Determination (R<sup>2</sup>) quantifies how the two sensors followed the PM<sub>1.0</sub>, PM<sub>2.5</sub>, or PM<sub>10</sub> concentration change by the reference instruments.

An R<sup>2</sup> approaching the value of 1 reflects a near perfect agreement, whereas a value of 0 indicates a complete lack of correlation.

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
QuantAQ / MODULAIR-  
PM

Pollutants:  
PM<sub>1.0</sub>, PM<sub>2.5</sub>, PM<sub>10</sub> mass  
concentration



### Evaluation Summary

- The three MODULAIR-PM sensors' data recovery from all units was ~ 100% for all PM measurements.
- The absolute intra-model variability was ~ 0.59, 0.62 and 1.77  $\mu\text{g}/\text{m}^3$  for PM<sub>2.5</sub>, PM<sub>2.5</sub> and PM<sub>10</sub>, respectively.
- For PM<sub>1.0</sub>, the MODULAIR-PM sensors showed strong to very strong correlations with the corresponding GRIMM and FEM T640 data. The sensors overestimated mass concentrations as measured by GRIMM and FEM T640.
- For PM<sub>2.5</sub> the MODULAIR-PM sensors showed strong correlations with the corresponding GRIMM and FEM T640 data. The sensors overestimated mass concentrations as measured by GRIMM and FEM T640.
- For PM<sub>10</sub> showed weak to strong correlations with the corresponding GRIMM and FEM T640 data. The sensors overestimated mass concentrations as measured by GRIMM and FEM T640.
- No sensors calibration was performed by South Coast AQMD Staff prior to the beginning of this test.
- Laboratory chamber testing is necessary to fully evaluate the performance of these sensors under known aerosol concentrations and controlled temperature and relative humidity conditions.

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
QuantAQ / MODULAIR-PM

Pollutants:  
PM<sub>1.0</sub>, PM<sub>2.5</sub>, PM<sub>10</sub> mass concentration

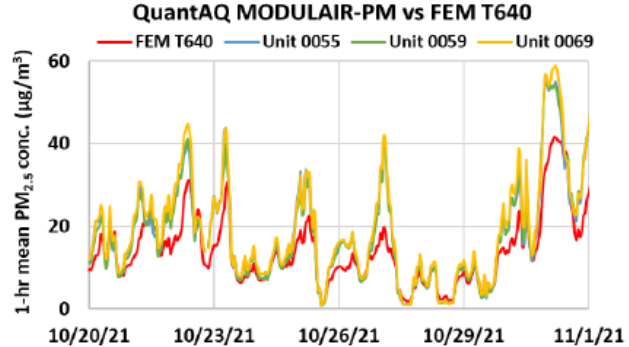
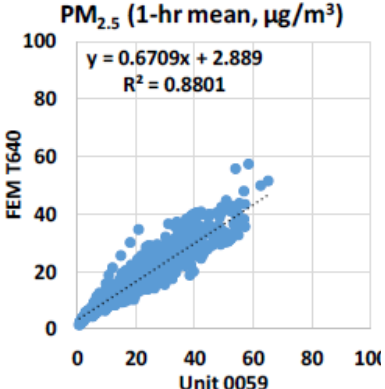


- From 09/10/2021 to 11/05/2021, three QuantAQ - MODULAIR-PM (hereinafter MODULAIR-PM) sensors were deployed at the South Coast AQMD stationary ambient monitoring site in Rubidoux and were run side-by-side with Federal Equivalent Method (FEM) instruments measuring the same pollutants
- Data recovery from all units was ~ 100% for all PM measurements

PM<sub>1.0</sub>: 0.87 < R<sup>2</sup> < 0.95

PM<sub>2.5</sub>: 0.84 < R<sup>2</sup> < 0.90

PM<sub>10</sub>: 0.47 < R<sup>2</sup> < 0.79



Coefficient of Determination (R<sup>2</sup>) quantifies how the two sensors followed the PM<sub>1.0</sub>, PM<sub>2.5</sub>, or PM<sub>10</sub> concentration change by the reference instruments.

An R<sup>2</sup> approaching the value of 1 reflects a near perfect agreement, whereas a value of 0 indicates a complete lack of correlation.

MetOne ES-405:

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
MetOne ES-405

Pollutants:  
PM<sub>1.0</sub> (only analyzed from  
field evaluation), PM<sub>2.5</sub>, and  
PM<sub>10</sub> mass concentration

Time Resolution:  
1-min

Type: Optical



### Evaluation Summary

- The accuracy of the MetOne ES-405 sensors for PM<sub>2.5</sub> was 35.9% to 49.1% and for PM<sub>10</sub> was 40.9% to 71.8% in the lab. The MetOne ES-405 sensors underestimated PM<sub>2.5</sub> compared to the T640x in the lab and underestimated PM<sub>10</sub> compared to the T640x and APS in the lab.
- The MetOne ES-405 sensors exhibited high precision for all conc., T/RH combinations for PM<sub>2.5</sub>. Precision for PM<sub>10</sub> mass conc. cannot be determined due to the inherent variability of the test dust used.
- The MetOne ES-405 sensors showed low to moderate intra-model variability for PM<sub>2.5</sub> and moderate intra-model variability for PM<sub>10</sub> in the lab.
- Data recovery in the field was ~ 100% from the two units tested.
- MetOne ES-405 sensors showed strong to very strong correlations with GRIMM and T640 in the field for both PM<sub>1.0</sub> (R<sup>2</sup>: 0.84-0.91) and PM<sub>2.5</sub> (0.80-0.92), moderate to very strong correlations with reference instruments in the field for PM<sub>10</sub> (R<sup>2</sup>: 0.78-0.92), and very strong correlations with the reference instruments in the laboratory studies (R<sup>2</sup> > 0.98 for PM<sub>2.5</sub> and PM<sub>10</sub>).
- All of the same MetOne ES-405 units were tested both in the field (1<sup>st</sup> stage of testing) and in the laboratory (2<sup>nd</sup> stage of testing) against reference PM instruments.

# MetOne ES-405:

# AQ-SPEC

## Air Quality Sensor Performance Evaluation Center

### Sensor Description

Manufacturer/Model:  
MetOne ES-405

Pollutants:  
PM<sub>1.0</sub> (only analyzed from field evaluation), PM<sub>2.5</sub>, and PM<sub>10</sub> mass concentration

Time Resolution:  
1-min

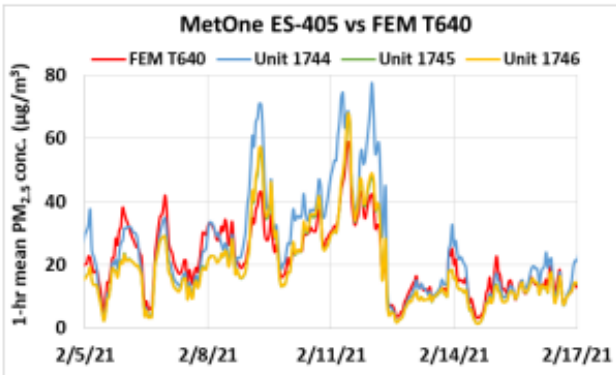
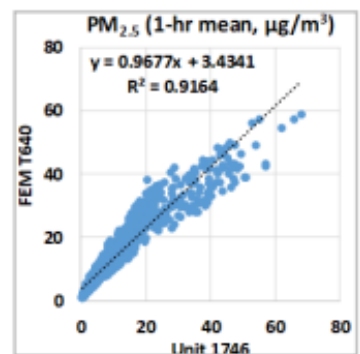
Type: Optical



### Field Evaluation Highlights

- Deployment period 12/24/2020 - 02/24/2021: the three MetOne ES-405 sensors showed strong to very strong correlations with the PM<sub>1.0</sub> and PM<sub>2.5</sub> mass concentration as recorded by GRIMM and T640, and moderate to very strong correlations with the corresponding GRIMM, T640, and BAM data for PM<sub>10</sub>.
- The units showed data recovery was ~100%.





- 1-hr mean, all ref. inst.
- PM<sub>1.0</sub>: 0.84 < R<sup>2</sup> < 0.93
- PM<sub>2.5</sub>: 0.64 < R<sup>2</sup> < 0.93
- PM<sub>10</sub>: 0.71 < R<sup>2</sup> < 0.96



Coefficient of Determination (R<sup>2</sup>) quantifies how the two sensors followed the PM<sub>1.0</sub>, PM<sub>2.5</sub>, or PM<sub>10</sub> concentration change by the reference instruments.



An R<sup>2</sup> approaching the value of 1 reflects a near perfect agreement, whereas a value of 0 indicates a complete lack of correlation.

# PM Sensors

Sensor Image	Make (Model)	Pollutant(s)	Field R2	Quoted Cost	Additional Parameters ?	Data Hosting?	Principle of Operation	Warranty	Pros	Cons
	<a href="#">PurpleAir</a>	PM1.0	0.96 to 0.98	\$289.00	No	Cloud (Service Included)	Laser Particle Counter	1 Year	Plug and Play, Low Cost, Large Network, Good PM2.5 and PM10 Correlations	Not Expandable
	(PA-II)	PM2.5	0.93 to 0.97							
		PM10	0.66 to 0.70							
	<a href="#">Air Quality Egg</a>	PM1.0	0.84 to 0.89	\$890.00	CO2, NO2, SO2, O3, Co, VOC	Cloud (Service Included)	Laser Particle Counter	2 Years	Expandable, Reasonable Price, Good PM2.5 Correlation	Not Optimal PM10 Correlation
	(2022 Model)	PM2.5	0.88 to 0.90							
		PM10	0.29 to 0.52							
	<a href="#">QuantAQ</a>	PM1.0	0.87 to 0.94	\$2,000.00	No	Cloud (Service Not Included)	Laser Particle Counter	5 Years W/Cloud service \$500.00 / Yr	Successfully Deployed in Desert Settings, Excellent Warranty and Cloud Data Platform	Relatively Expensive, Potentially High Inter Model Variability
	(MODULAIR-PM)	PM2.5	0.84 to 0.88							
		PM10	0.46 to 0.78							
	Met One (Es-405)	PM1.0	0.84 to 0.91	\$5,200.00	No	Manual	Laser Particle Counter		Near Reference Model, Proven on High Wind Events	Relative Expensive, High Power Usage
		PM2.5	0.80 to 0.92							
		PM10	0.78 to 0.92							



# PM Sensors Recommendations

	Sensor Image	Make (Model)	Pollutant(s)	Field R2	Quoted Cost	Pros	Cons
3		<a href="#">PurpleAir</a>	PM1.0	0.96 to 0.98	\$289.00	Plug and Play, Low Cost, Large Network, Good PM2.5 and PM10 Correlations	Not Expandable
		(PA-II)	PM2.5	0.93 to 0.97			
			PM10	0.66 to 0.70			
2		<a href="#">QuantAQ</a>	PM1.0	0.87 to 0.94	\$2,000.00	Successfully Deployed in Desert Settings, Excellent Warranty and Cloud Data Platform	Relatively Expensive, Potentially High Inter Model Variability
		(MODULAIR-PM)	PM2.5	0.84 to 0.88			
			PM10	0.46 to 0.78			
1		Met One (Es-405)	PM1.0	0.84 to 0.91	\$5,200.00	Near Reference Model, Proven on High Wind Events	Relative Expensive, High Power Usage
			PM2.5	0.80 to 0.92			
			PM10	0.78 to 0.92			

### **3. Action Items:**

#### **B. CAMP – First Sensor Location Discussion and Selection (ICAPCD)**



Sonny Bono Wildlife Refuge

Calipatria Unified School District

Calipatria East

Lack Road And Walker Road

Westmorland Union Elementary School

Andre Road And Pellett Road

Brawley Union High School

North 11th Street And River Drive

Comite Civico Del Valle Offices

Green Road And Silliman Road

220 W Main St Brawley, CA

Miguel Hidalgo Elementary School

# AB 617 North-End CSC Member Proposed Sensor Locations

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## Brawley

- Magnolia Union Elementary School
- Brawley Municipal Airport (Northwest Section)
- Brawley Fire Department Station 2

## Westmorland

- Love's Travel Stop
- \*Residence (500 block of W 7<sup>th</sup> St)
- The Town Pump
- Westmorland Baseball Field
- \*Residence (200 block of N D St)\*
- Westmorland Post Office
- \*Residence (100 block of East 1<sup>st</sup> Street)
- El Sol Market
- J&J Tire Shop
- Residence (100 block of E 2<sup>nd</sup> St)
- Avery Girl Honey

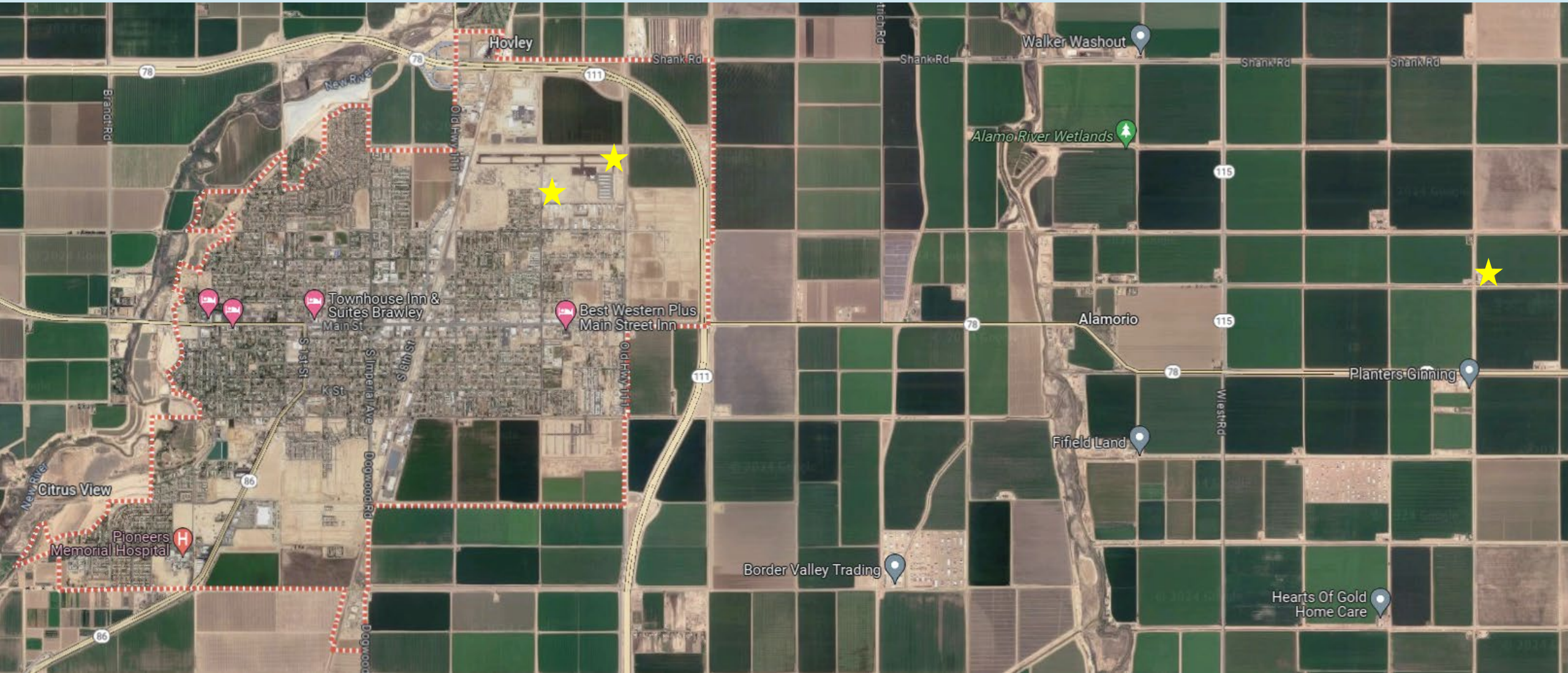
## Calipatria

- Highway 111 & Yocum Rd (NE or SE corner)
- E. Hooper Rd, west of Brandt Rd (near Alamo River area)

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\*Site is ready for sensor installation

# **Proposed Sensor Locations: Brawley**



Hovley

Walker Washout

Alamo River Wetlands

Townhouse Inn & Suites Brawley  
Main St

Best Western Plus  
Main Street Inn

Alamorio

Planters Ginning

Citrus View

Pioneer  
Memorial Hospital

Fifield Land

Border Valley Trading

Hearts Of Gold  
Home Care

78

78

111

115

115

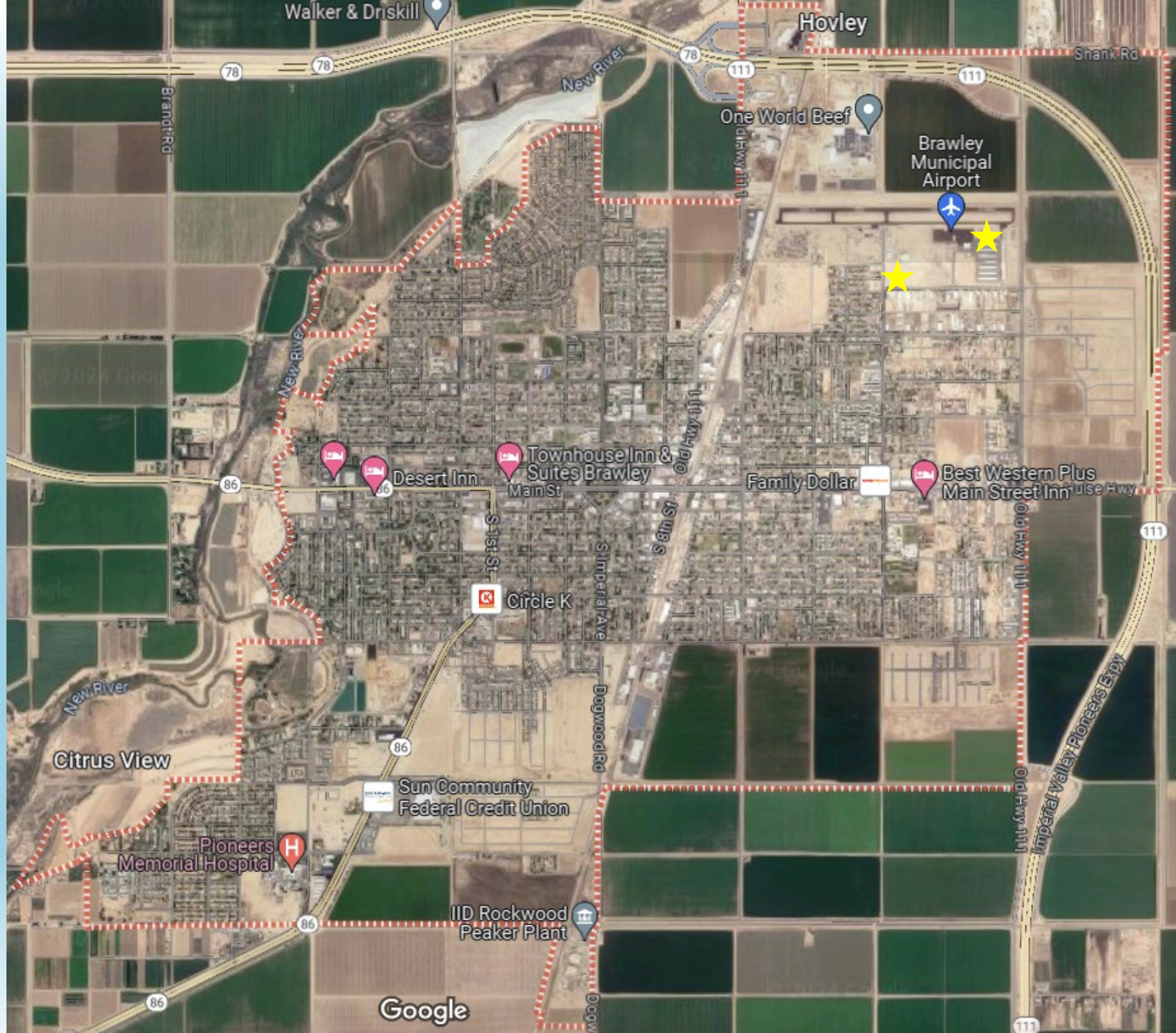
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78

86

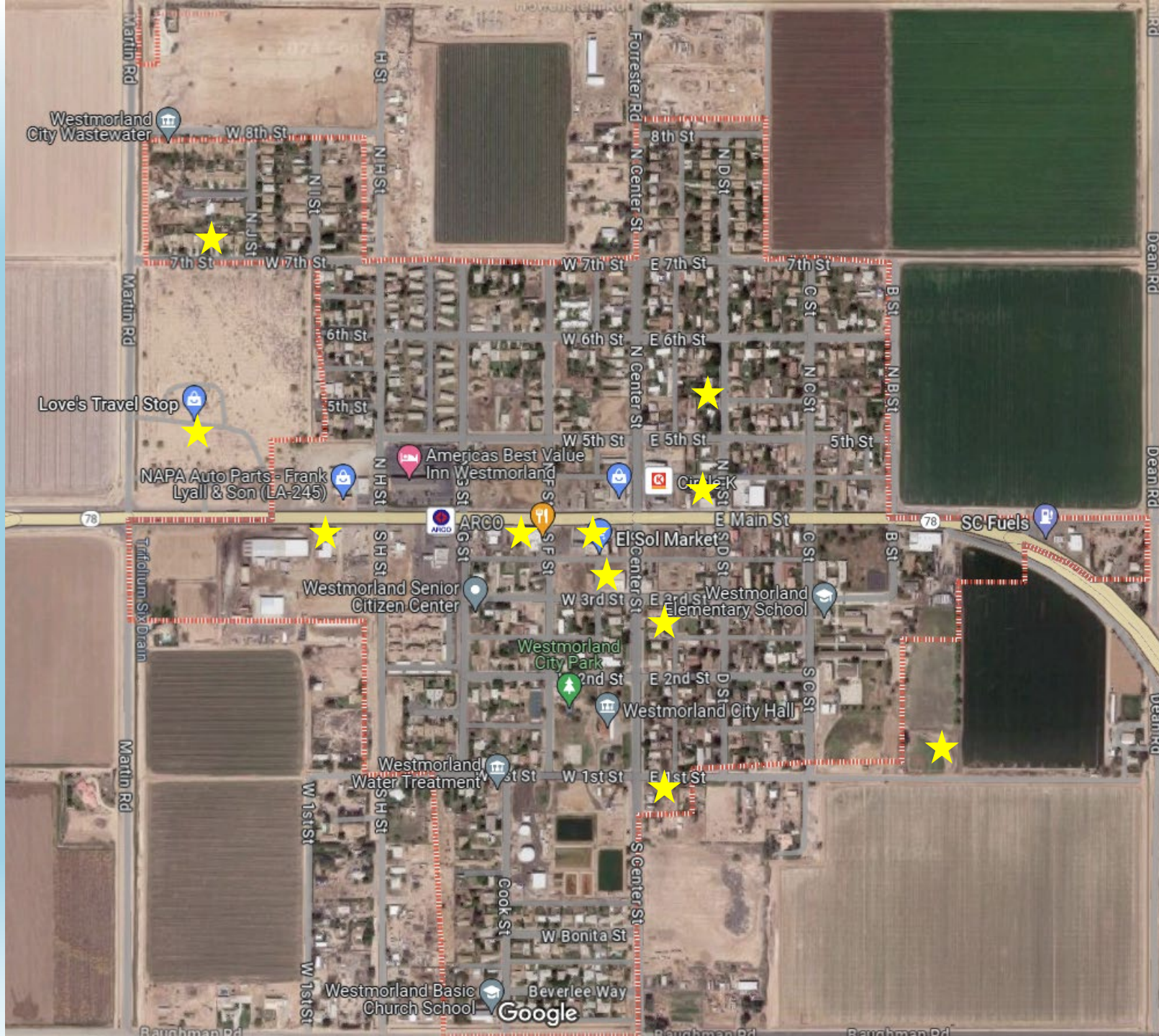
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111



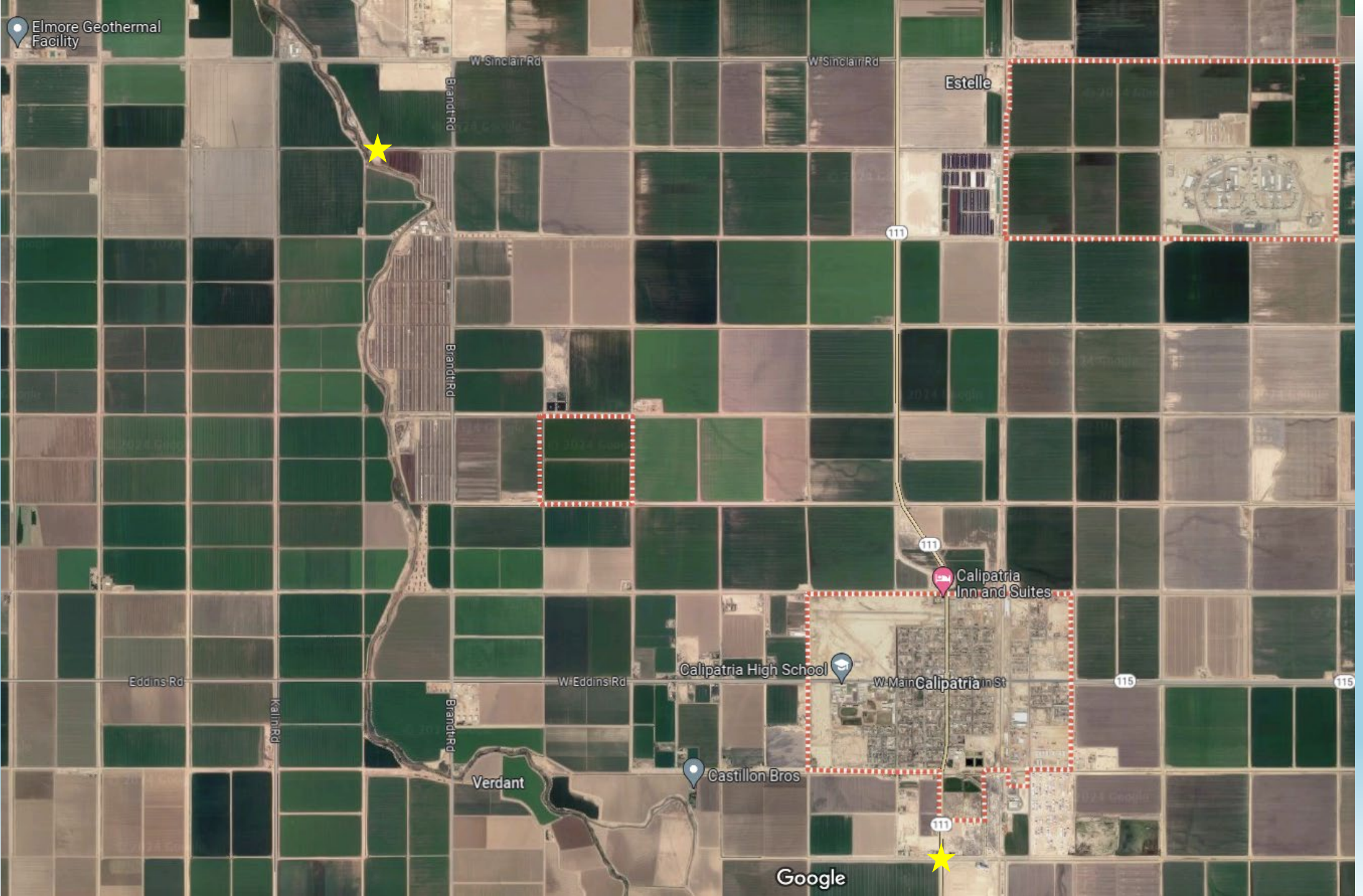
# **Proposed Sensor Locations: Westmorland**





# **Proposed Sensor Locations: Calipatria**

Elmore Geothermal Facility



W Sinclair Rd

W Sinclair Rd

Estelle

Brandt Rd

111

Brandt Rd

111

Calipatria Inn and Suites

Eddins Rd

W Eddins Rd

Calipatria High School

W Main Calipatria In St

115

115

Verdant

Castillon Bros

111

Google