



# 2013 Air Monitoring Coordination

IASC/CARPA Workshop, April 30th, 2014

# Pre Season Planning Meeting

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- Through our CARPA relationship, agencies arranged a 2013 pre fire season meeting.
  - USFS, ARB, EPA, NPS
  - Discussed equipment cache, how to communicate, coordinate, projects, etc
- Fire season started quickly and remained active.
  - Daily communications \*

# 2013 Wildfire Season.. just to mention a few

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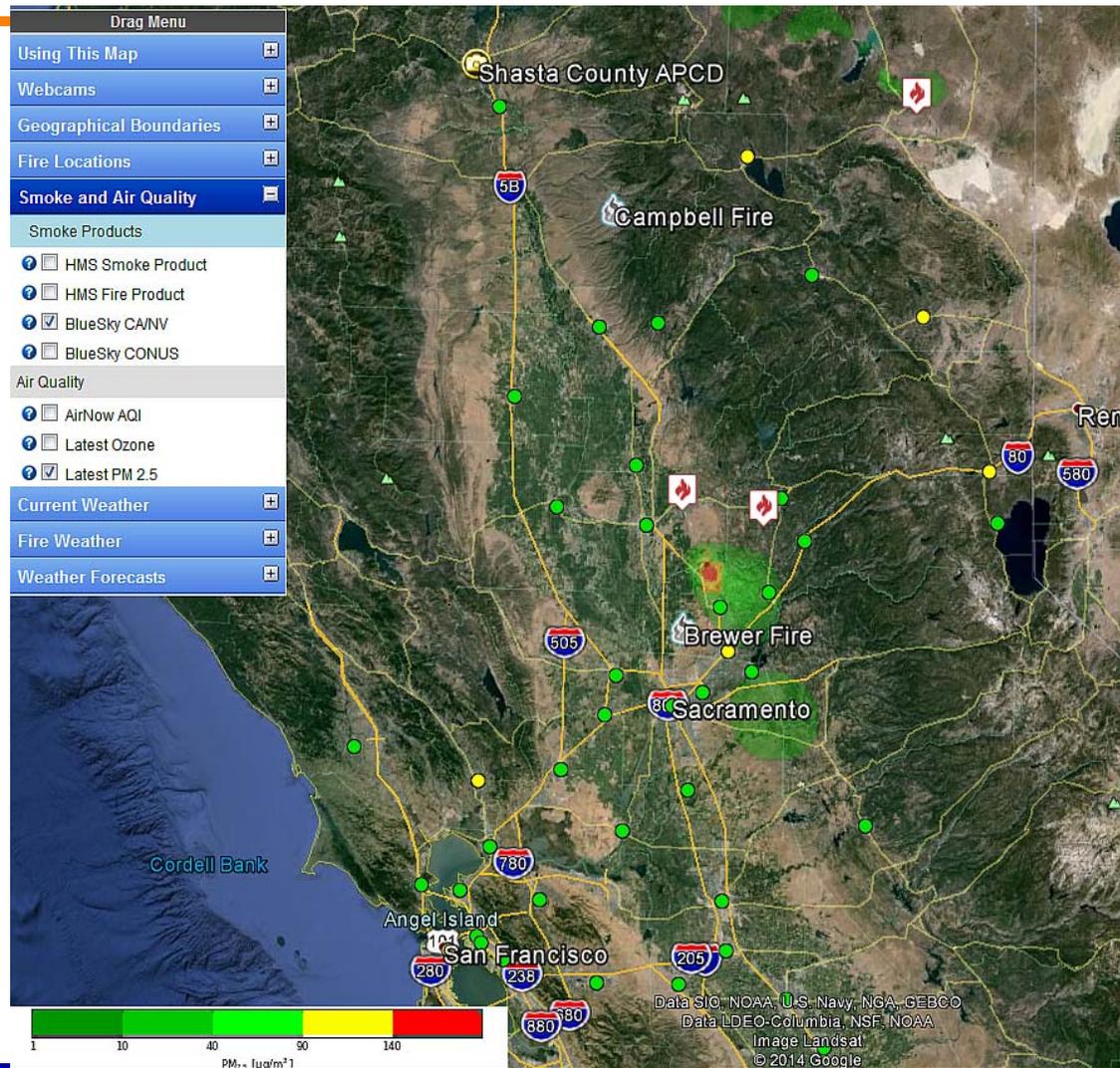
- May 2 - Springs Fire - Ventura & LA County
- May 30 - Powerhouse Fire - LA County
- July 15 - Mountain Fire - Riverside County
- August 3 - Orleans & Corral Complex - Humboldt County
- August 17 - Rim Fire - Tuolumne & Mariposa Counties
- August 10 - American Fire - Placer County
- September 9 - Clover Fire - Shasta County
- December 15 - Pfeiffer Fire - Monterey & SLO County

# Standing Meeting Coordination

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- **Daily intelligence briefing (email & phone)**
  - InciWEB, CalFIRE, USFS, Media, Twitter, PFIRS\*,
- **1300hrs Smoke Call**
  - 12hr to 96 hour outlook (weather patterns)
- **1400hrs Monitoring Call**
  - Affected Districts, Field Responders, etc
  - Ask what Districts needs are
  - Coordinate current and future activities
  - ARA coordination and needs
- **Weekend and Resource Staffing (Thurs)**
- **Weekly Cal/EPA Call (Tuesday @0900)**

# PFIRS (Fire Information Map)



- PM2.5 (AirNOW)
- Bluesky models
- Fire locations
- Webcams
- Geographic boundaries
- Weather outlook

# Agency Coordination

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- Affected District(s)
- ARB
- USFS
- NPS
- EPA
- Cal/EPA
- Community Health Officers
- Washoe County AQMD

# Response

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- Discover (collect intelligence)
- Coordinate (availability, assets & proximity)
- Deploy (create plan and mobilize)
- Assess (review and translate data)
- Communicate (share information)
- Maintain (resources)
- Reassess (needs and equipment)
- Demob (reposition resources)

# Special Considerations

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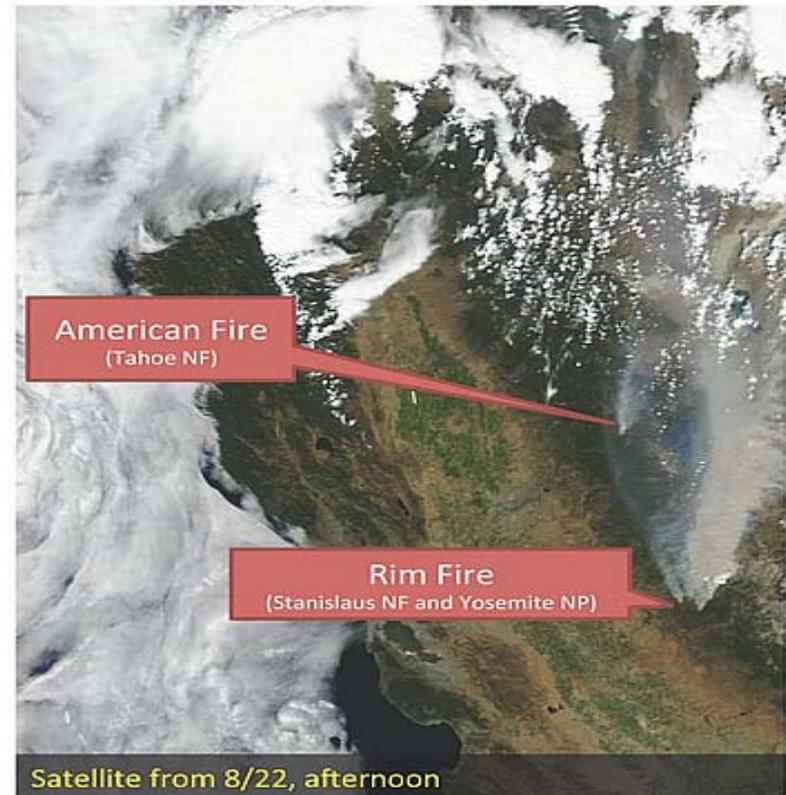
- **Staffing**
  - availability and workload
  - shift changes
- **Resources**
  - equipment availability/contracts
  - interoperability
  - agency objectives
- **Field Deployment**
  - lodging vacancy
  - road closures
  - cellular/internet access

# Rim/American Fires

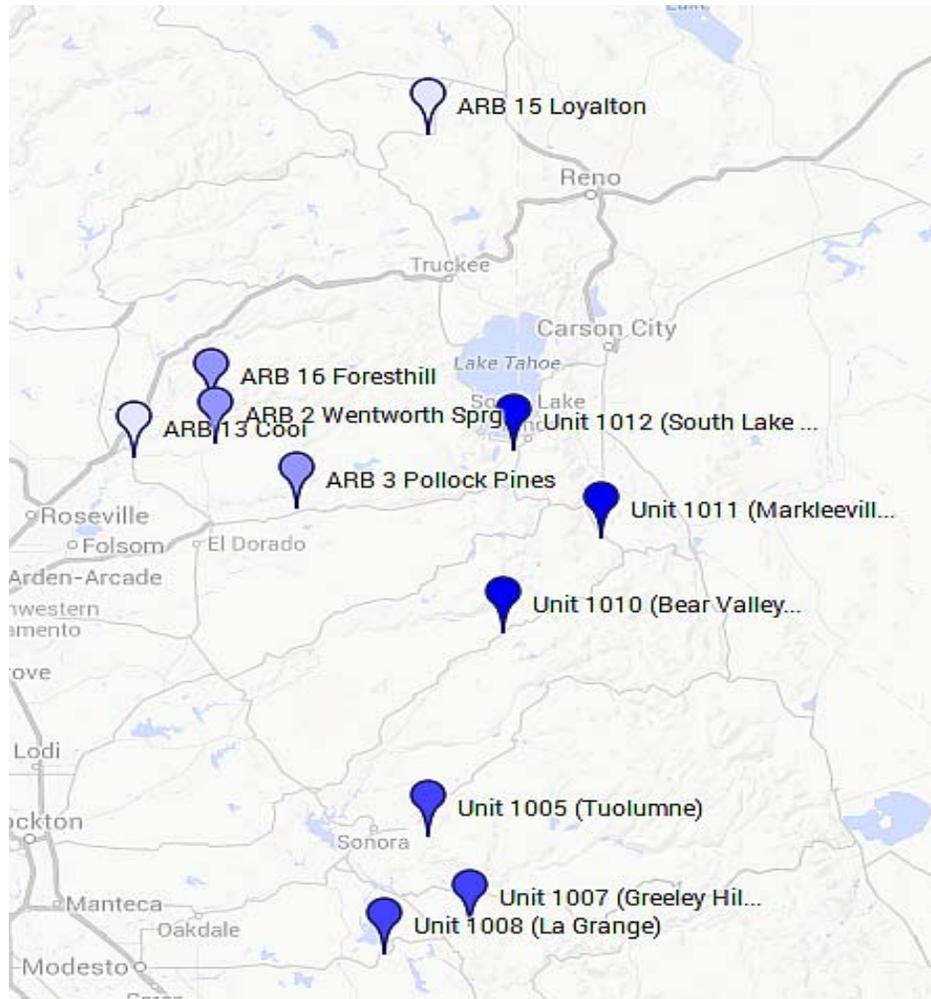
## 8/22 Summary; 8/23-8/25 Outlook

- In an truly unprecedented run, the Rim fire grew from 53,866 acres to 105,620 acres overnight, a gain of 51,000+ acres. It is in Yosemite NP (11,000+ acres of the park have already burned).
- A large plume impacted Tahoe and the Carson Valley, in agreement with yesterday's model projections, though the magnitude of the emissions was (understandably) underestimated.
- New monitors in Greeley Hill and Tuolumne city are in place and reporting Unhealthy AQI values.
- Carson Valley and Tahoe locations are also likely getting impacted this morning
- Model projections show the same pattern of impacts continuing, with potential hotspots for smoke impacts Saturday (8/24) morning again in the Carson Valley, Greeley Hill and Tuolumne City areas. Winds may be slightly stronger Sunday 8/25, which could moderate impacts in Tuolumne and Greeley hill, but potentially exacerbate smoke impacts in the Carson Valley and Tahoe areas.

Prepared by Leland Tarnay, air resources specialist



# Response Example (Rim/American)

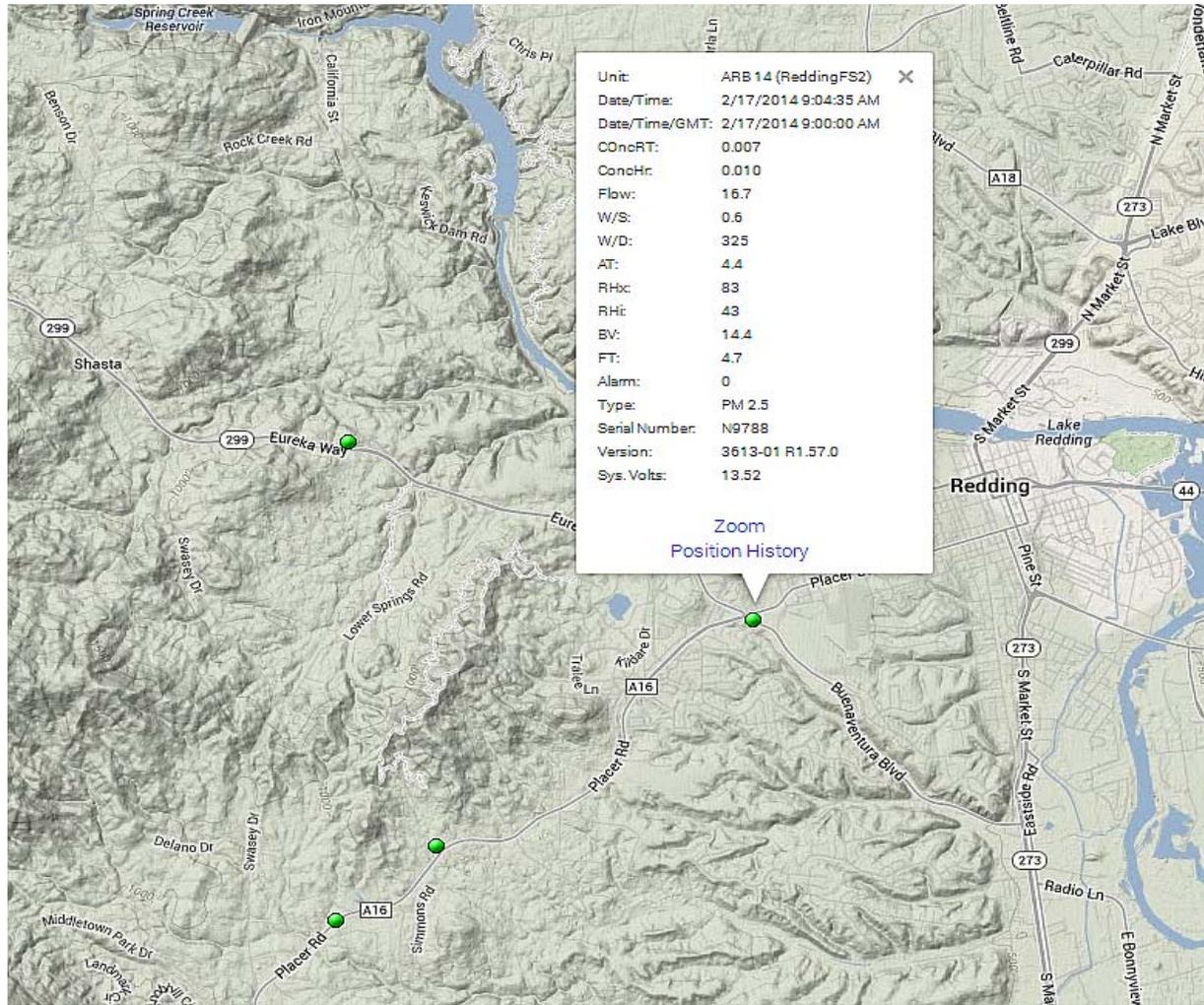


8/28/13'

Portable Monitors  
(PM2.5)

Coordination w/5  
Districts, USFS,  
NPS, EPA

# EBAM Data (AIRSIS)



# EBAM Data (AIRSIS)

## Current Status

Alias	Date/Time	Location	Date/Time/GMT	COncRT	ConcHr	Flow	W/S	W/D	AT	RHx	RHi	BV	FT	Alarm
ARB 1 (deactivated)	11/21/12 7:04AM	U Street V Street Alley, Sacramento, CA 95818, USA	11/21/2012 2:00:00 PM	0.003	0.007	16.7	0.3	315	19.8	61	31	14.3	28.7	0
ARB 13 (Centerville)	2/16/14 4:04PM	8916 Placer Road, Redding, CA 96001, USA	2/16/2014 11:00:00 PM	0.004	0.002	16.7	1.4	130	16.3	32	12	14.4	22.8	0
ARB 14 (ReddingFS2)	2/17/14 9:04AM	2012 Buenaventura Boulevard, Redding, CA 96001, US	2/17/2014 4:00:00 PM	0.007	0.010	16.7	0.6	325	4.4	83	43	14.4	4.7	0
ARB 15 (CalFire58)	2/16/14 4:04PM	Homestake Road, Redding, CA 96001, USA	2/16/2014 11:00:00 PM	-0.002	-0.004	16.7	1.6	166	15.5	33	17	14.4	17.5	0
ARB 16 (offline)	9/18/13 2:51PM	U Street V Street Alley, Sacramento, CA 95818, USA	9/18/2013 9:00:00 PM	0.001	0.003	16.7	0.6	354	26.1	0	15	14.1	32.0	0
ARB 17 (Purple Elm)	2/17/14 10:04AM	9210 Placer Road, Redding, CA 96001, USA	2/17/2014 5:00:00 PM	-0.005	0.005	16.6	0.4	261	4.8	81	34	14.4	10.7	0
ARB 18 (offline)	9/23/13 3:04PM	U Street V Street Alley, Sacramento, CA 95818, USA	9/23/2013 10:00:00 PM	0.009	0.003	16.7	0.7	227	26.4	32	16	13.9	38.5	0
ARB 19 (offline)	9/4/13 2:34PM	U Street V Street Alley, Sacramento, CA 95818, USA	9/4/2013 9:00:00 PM	0.007	0.007	16.7	1.1	59	28.7	35	14	14.4	40.6	0
ARB 2 (offline)	2/13/14 9:04AM	U Street V Street Alley, Sacramento, CA 95818, USA	2/13/2014 4:00:00 PM	-0.000	0.001	16.7	0.3	1	20.8	0	21	14.2	23.2	0
ARB 3 (offline)	9/18/13 9:04AM	U Street V Street Alley, Sacramento, CA 95818, USA	9/18/2013 4:00:00 PM	0.010	0.013	16.7	1.9	50	14.6	29	13	14.3	17.5	0
ARB 4 (deactivated)	9/12/12 10:04AM	U Street V Street Alley, Sacramento, CA 95818, USA	9/12/2012 5:00:00 PM	0.030	0.005	0.0	0.5	208	16.3	51	29	14.4	3.3	16
Unit 1012	4/16/14 1:08PM	1305 P Street, Sacramento, CA 95814, USA	4/16/2014 8:00:00 PM	-0.000	-0.000	0.4	1.1	179	23.2	26	23	14.4	21.2	8
Unit 1013	4/16/14 1:59PM	9850 Via Pasar, San Diego, CA 92126	4/16/2014 8:00:00 PM	0.045	0.062	15.3	0.3	6	19.9	0	35	14.1	19.5	256
Unit 1014	3/24/14 10:38AM	9850 Via Pasar, San Diego, CA 92126	3/24/2014 5:00:00 PM	0.045	0.062	15.3	0.3	6	19.9	0	35	14.1	19.5	256
Unit 1015	3/24/14 12:53PM	9850 Via Pasar, San Diego, CA 92126	3/24/2014 7:00:00 PM	0.015	0.015	16.7	0.3	1	21.7	0	28	14.1	24.6	0
Unit 1016	3/24/14 1:11PM	9850 Via Pasar, San Diego, CA 92126	3/24/2014 8:00:00 PM	0.015	0.015	16.7	0.3	1	21.7	0	28	14.1	24.6	0
Unit 1017	3/24/14 3:13PM	9850 Via Pasar, San Diego, CA 92126	3/24/2014 10:00:00 PM	0.013	0.011	16.7	0.3	1	22.3	0	27	14.2	25.3	0
Unit 1018	3/25/14 8:11AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 3:00:00 PM	0.004	0.006	16.8	0.3	1	20.0	0	29	14.2	22.4	0
Unit 1019	3/25/14 8:55AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 3:00:00 PM	0.010	0.013	16.8	0.3	1	19.9	0	29	14.2	22.4	0
Unit 1020	3/25/14 9:24AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 4:00:00 PM	0.010	0.013	16.8	0.3	1	19.9	0	29	14.2	22.4	0
Unit 1021	3/26/14 8:00AM	9850 Via Pasar, San Diego, CA 92126	3/26/2014 3:00:00 PM	0.005	0.006	16.7	0.3	1	19.4	0	30	14.2	21.7	0
Unit 1022	3/25/14 10:12AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 5:00:00 PM	0.022	0.014	16.6	0.3	1	20.2	0	29	14.2	22.5	0
Unit 1023	3/25/14 10:39AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 5:00:00 PM	0.022	0.014	16.6	0.3	1	20.2	0	29	14.2	22.5	0
Unit 1024	3/25/14 11:16AM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 6:00:00 PM	0.014	0.017	16.7	0.3	1	20.5	0	29	14.2	22.8	0
Unit 1025	4/16/14 2:47PM	9850 Via Pasar, San Diego, CA 92126	4/16/2014 9:00:00 PM	0.010	0.010	16.7	0.3	1	21.0	0	29	14.2	23.6	0
Unit 1026	3/25/14 2:04PM	9850 Via Pasar, San Diego, CA 92126	3/25/2014 9:00:00 PM	0.008	0.009	16.7	0.3	1	21.1	0	29	14.2	23.8	0
Unit 1027	4/16/14 2:28PM	9850 Via Pasar, San Diego, CA 92126	4/16/2014 9:00:00 PM	0.018	0.023	16.7	0.3	1	21.5	0	29	14.2	24.1	0

Current Status | Unit Locations Map | Administration | Export Data: Excel | Log Off

# Graphed Data

