



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **A-Tower**

Site Number: 1001	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 415480
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: No	UTM Y: 4042496
FIPS Code: 06-027	Monitor Type: Special Purpose Monitor		
AQS Number:			
Current: Yes			

Location:	North-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	2.2 km north to Hwy 136.		
Traffic Count:	430		
Groundcover:	Course sands		
Representative Area:	North-central Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	8/8/1990
Sampling Method:	N/A	Operation Schedule:	5 minute
Probe Height:	Precip gage @ 1.5m AGL	Sampling Season:	Year-round
Anemometer Height (m)	9.3 meters	Analysis Method:	N/A
Temp Probe Height (m):	9.0 meters (and RH, temp)	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	No trees within seven kilometers.		
Distance to Furnace or Incinerator:	No furnace or incinerator within 7km.		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **A-Tower**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





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Site Name: **B-Tower**

Site Number: 1018	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 420265
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: No	UTM Y: 4030446
FIPS Code: 06-027	Monitor Type: Special Purpose Monitor		
AQS Number:			
Current: Yes			

Location:	Southeast Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	3 km SE to Hwy 190		
Traffic Count:	520		
Groundcover:	Course sands		
Representative Area:	South-eastern Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	1/5/1995
Sampling Method:	N/A	Operation Schedule:	5 minute
Probe Height:	Rain Gage @ 1.4m AGL	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	N/A
Temp Probe Height (m):	9.0 meters (and RH, temp)	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	8km NE of site.		
Distance to Furnace or Incinerator:	8km NE of site.		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **B-Tower**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Coso Junction H2S**

Site Number: 696	Collecting Agency: Coso Operating Company	MET Installed?: Yes	UTM X: 414978
County: Inyo	Site Operator: Colleen Brock (incoming ftp)	TEOM Installed?: No	UTM Y: 3989840
FIPS Code: 06-027	Monitor Type:		
AQS Number: 1001			
Current: Yes			

Location:	Hwy 395 at Gill Station - Coso Road		
Address:	3 Gill Station Rd, Olancho, CA 93549		
Distance to Road:	0.2km to Gill Station Road SE of stn.; 400m to Hwy. 395 west of site		
Traffic Count:	300 est. on GSR; 5400 on 395		
Groundcover:	Dirt, gravel, brush		
Representative Area:	Regional		
Pollutant:			
Monitor Objective:	Population Oriented, Pollutant Transport		
Spatial Scale:	Neighborhood Scale	Start Date:	5/10/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	1:1
Probe Height:	4.5 meters	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.15 meters	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	No obstructions		
Distance from Obstructions Not on Roof:	20 meters to tower west of station		
Distance From Trees:	0.5 km		
Distance to Furnace or Incinerator:	None in the vicinity for several kilometers.		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010; ARB 9/13/11; EPA 11/10/11		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Coso Junction H2S**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Coso Junction TEOM**

Site Number: 696	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 414978
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: Yes	UTM Y: 3989840
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 1001			
Current: Yes			

Location:	Hwy 395 at Gill Station - Coso Road		
Address:	3 Gill Station Rd, Olancho, CA 93549		
Distance to Road:	0.2km to Gill Station Road SE of stn.; 400m to Hwy. 395 west of site		
Traffic Count:	300 est. on GSR; 5400 on 395		
Groundcover:	Dirt, gravel, brush		
Representative Area:	Regional		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented, Pollutant Transport		
Spatial Scale:	Neighborhood Scale	Start Date:	5/10/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	1:1
Probe Height:	4.40 meters	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.4m below inlet; 1.3m above roof
Distance from Obstructions on Roof:	No obstructions.		
Distance from Obstructions Not on Roof:	20 meters to tower west of station.		
Distance From Trees:	0.5 km		
Distance to Furnace or Incinerator:	None in the vicinity for several kilometers.		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 3/23/2010; ARB 10/15/2014; District 2/20/2014, 9/30/2014, 12/30/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Coso Junction TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **Cottonwood**

Site Number: 7491	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 411799
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: No	UTM Y: 4028440
FIPS Code: 06-027	Monitor Type: Special Purpose Monitor		
AQS Number:			
Current: Yes			

Location:	South-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	3 km to Hwy 395 (west)		
Traffic Count:	6600		
Groundcover:	Course sand		
Representative Area:	Central Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	5/17/2001
Sampling Method:	N/A	Operation Schedule:	5 minute
Probe Height:	N/A	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	N/A
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



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Site Name: **Cottonwood**

Site Photo:

North-facing photo:

East-facing photo:

West-facing photo:

South-facing photo:



GBUAPCD Site Report

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Site Name: **Dirty Socks TEOM**

Site Number: 1010	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 414272
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4020550
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0022			
Current: Yes			

Location:	South shore, Owens Lake		
Address:	DIRTY SOX HOT SPRING - HWY 190, Owens Lake, CA		
Distance to Road:	402 meters to Hwy 190		
Traffic Count:	230		
Groundcover:	Gravel, sand, water, small shrubs		
Representative Area:	South shore, Owens Lake		
Pollutant:	PM10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	6/23/1999
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly; offline 12/19/12-12/18/14
Probe Height:	4.2 meters	Sampling Season:	Year-round
Anemometer Height (m)	10	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.5 meters	Dist to Supporting Struct:	0.3m below inlet; 1.8m above roof
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	10.0 (Met) - 14.6 meters (powerline); met tower to west		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/17/2009, 3/23/2010; ARB 10/18/11; EPA 11/10/11		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Dirty Socks TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Flat Rock**

Site Number: 1011	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 424989
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: No	UTM Y: 4030860
FIPS Code: 06-027	Monitor Type: None (TEOM removed 5/3/11 to Mill Site); SLAMS monitor		
AQS Number: 0024			
Current: Yes			

Location:	Eastern shore, Owens Lake		
Address:	FLAT ROCK - HIGHWAY 190 - 1 MILE W OF HWY 136 JUNCTION, Owens Lake, CA		
Distance to Road:	54.8 meters to Hwy 190; 1.6km NE to CA136/CA190 Junction		
Traffic Count:	520 on CA 190 and at junction		
Groundcover:	Sand, rocks, shrubs		
Representative Area:	East shore, Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	12/14/2000
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:		Sampling Season:	Year-round
Anemometer Height (m)	10.15 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.45 meters	Dist to Supporting Struct:	0
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	2.4 m (MET); 3.8 meters (powerline)		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/17/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Flat Rock**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Keeler MET**

Site Number: 697	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 421356
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: No	UTM Y: 4038807
FIPS Code: 06-027	Monitor Type: None - the TEOMs are installed separately and reported separately; SLAMS monitor		
AQS Number: 1003			
Current: Yes			

Location:	Northeast of Keeler, CA		
Address:	Keeler, CA		
Distance to Road:	75 meters		
Traffic Count:	3/day		
Groundcover:	sand/brush		
Representative Area:	Community of Keeler		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	3/14/1985
Sampling Method:	N/A	Operation Schedule:	5 minute
Probe Height:		Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	N/A
Temp Probe Height (m):	9.15 meters	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	20 meters to trees		
Distance From Trees:	20 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	N/A		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Keeler MET**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Keeler#1 PM2.5 FDMS**

Site Number: 728	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 421982
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: Yes	UTM Y: 4038410
FIPS Code: 06-027	Monitor Type: Primary: TEOM 1400ab w/8500cPM2.5 continuous, EQPM-0609-181; Partisol; Collo: 2025		
AQS Number: 1003	PM2.5 VSCC EQPM-0202-145, PM2.5 FRM; All monitors SLAMS		
Current: Yes			

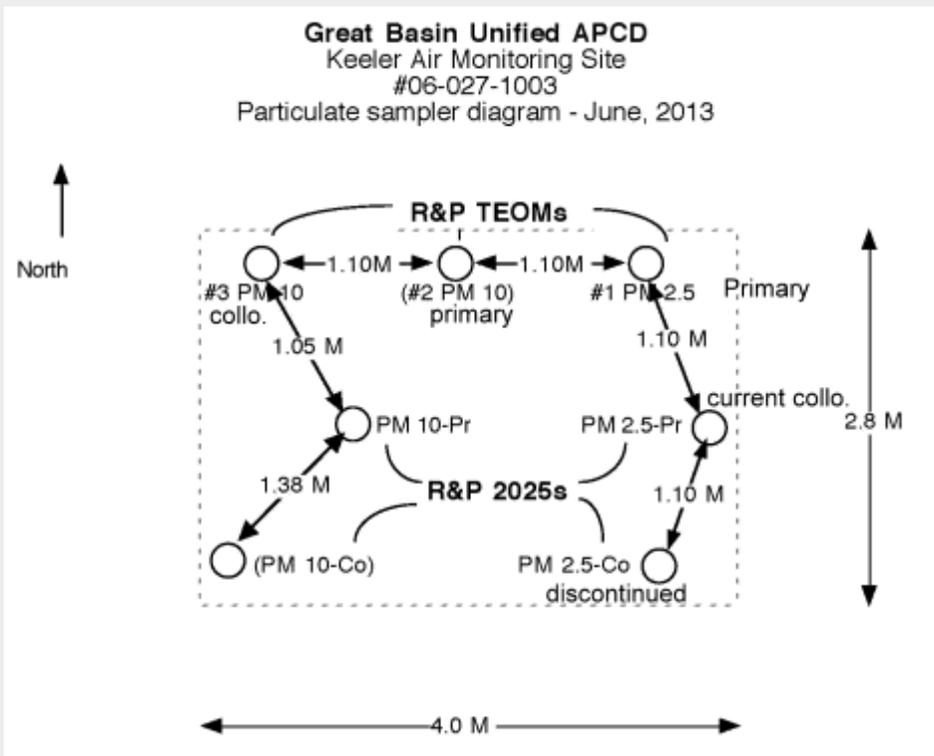
Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	20 meters to Cerro Gordo Rd., 117 m NE to CA Hwy. 136		
Traffic Count:	Cerro Gordo - 100/dy est.; Hwy. 136 - 430		
Groundcover:	Pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-2.5		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	9/10/2009
Sampling Method:	PM-10 Impactor and VSCC	Operation Schedule:	hourly
Probe Height:	4.6 meters	Sampling Season:	Year-round;Partisol began 9/1/98
Anemometer Height (m)	N/A	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.3m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	See attached roof diagram		
Distance from Obstructions Not on Roof:	10 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.7 meters to 2.5 pri partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	Yes		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/11/2014; District 2/20/2014, 12/30/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Keeler#1 PM2.5 FDMS**

Site Photo:



North-facing photo:



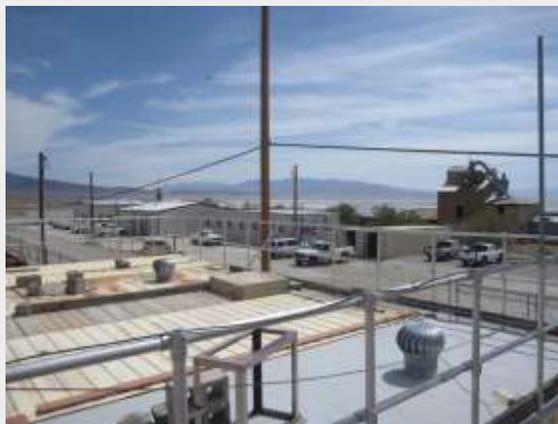
East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Keeler#2 PM10 TEOM**

Site Number: 728	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 421982
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: Yes	UTM Y: 4038410
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; Partisol 2025 PM10, RFPS-1298-127, FRM PM10; All monitors SLAMS		
AQS Number: 1003			
Current: Yes			

Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	19 meters		
Traffic Count:	See Keeler #1		
Groundcover:	Pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	3/11/1993
Sampling Method:	PM-10 Impactor, Primary PM10 Monitor	Operation Schedule:	hourly (TEOM); Daily (1° Partisol.)
Probe Height:	4.45 meters	Sampling Season:	Year-round;Partisol began 9/1/98
Anemometer Height (m)	N/A	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.3m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	See roof diagram		
Distance from Obstructions Not on Roof:	9 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.7 meters to collocated TEOM (#3); 1.17 m to 10pri Partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/11/2014; District 2/20/2014, 12/30/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Keeler#2 PM10 TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

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Site Name: **Keeler#3 PM10 TEOM**

Site Number: 728	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 421982
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: Yes	UTM Y: 4038410
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; Partisol 2025 PM10, RFPS-1298-127, FRM PM10; All monitors SLAMS		
AQS Number: 1003			
Current: Yes			

Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	18 meters		
Traffic Count:	See Keeler #1		
Groundcover:	pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	6/15/2009
Sampling Method:	PM-10 Impactor, Collocated PM10 Monitor	Operation Schedule:	hourly (TEOM); 1/12 day 2° Partis
Probe Height:	4.45 meters	Sampling Season:	Year-round;Partisol began 9/1/98
Anemometer Height (m)	N/A	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.3m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	See roof diagram		
Distance from Obstructions Not on Roof:	10 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.14 m to primary TEOM (#2); 1.14 m to 10pri Partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	yes		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/11/2014; District 2/20/2014, 12/30/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Keeler#3 PM10 TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Kirkwood**

Site Number: 1033	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X:
County: Alpine	Site Operator: Guy Davis	TEOM Installed?: No	UTM Y:
FIPS Code: 06-003	Monitor Type: SLAMS Monitor		
AQS Number:			
Current: Yes			

Location: [Redacted]

Address: [Redacted]

Distance to Road: [Redacted]

Traffic Count: [Redacted]

Groundcover: [Redacted]

Representative Area: [Redacted]

Pollutant: [Redacted]

Monitor Objective: [Redacted]

Spatial Scale: [Redacted] Start Date: [Redacted]

Sampling Method: [Redacted] Operation Schedule: Hourly (continuous)

Probe Height: N/A Sampling Season: Year-round

Anemometer Height (m) [Redacted] Analysis Method: [Redacted]

Temp Probe Height (m): [Redacted] Dist to Supporting Struct: [Redacted]

Distance from Obstructions on Roof: [Redacted]

Distance from Obstructions Not on Roof: [Redacted]

Distance From Trees: [Redacted]

Distance to Furnace or Incinerator: [Redacted]

Distance Between Collocated Monitors: [Redacted]

Unrestricted Airflow: [Redacted]

Probe Material: [Redacted]

Residence Time: [Redacted]

Will there be a change in 18 months?: [Redacted]

Suitable comparison against annual PM2.5?: [Redacted]

Frequency of flow rate verification for manual PM sampler audit: [Redacted]

Frequency of flow rate verification for automated PM analyzers audit: [Redacted]

Frequency of one-point QC check (gaseous): [Redacted]

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
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Site Name: **Kirkwood**

Site Photo:

North-
facing
photo:

East-facing
photo:

West-
facing
photo:

South-
facing
photo:



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Lee Vining**

Site Number: 779	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 313749
County: Mono	Site Operator: Guy Davis	TEOM Installed?: No	UTM Y: 4203464
FIPS Code: 06-051	Monitor Type: Partisol 2025 PM10, RFPS-1298-127, PM10 FRM; SLAMS monitor		
AQS Number: 0005			
Current: No			

Location:	Community of Lee Vining, CA		
Address:	HWY 395, LEE VINING		
Distance to Road:	84 m to Hwy 395; 179 m to Matty Ave.		
Traffic Count:	395 - 4500; Matty Ave. - 100 est.		
Groundcover:	Lawn (north); Gravel (south)		
Representative Area:	Lee Vining, CA		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	1/1/1981
Sampling Method:	PM-10 Impactor	Operation Schedule:	1/3 day Partisol (started 7/1/2001)
Probe Height:	3 meters AGL	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	0.7m below inlet
Distance from Obstructions on Roof:	No obstructions - unit mounted on stand		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	19.8 m		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	Monthly by Station Operator; EPA 10/8/2009, 3/25/2010		
Frequency of flow rate verification for automated PM analyzers audit:	EPA 11/9/2011; ARB 10/15/2014; District 4/30/2014, 6/24/2014, 12/18/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Lee Vining**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / http://www.gbuapcd.org

Site Name: **Lizard Tail TEOM**

Site Number: 1016	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 415701
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4044610
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0028			
Current: Yes			

Location:	Owens Lake NE Shoreline		
Address:	Lizard Tail - NE Shoreline Owens Lake, CA		
Distance to Road:	275 meters to powerline road; 800m to Hwy 395		
Traffic Count:	Powerline:20; Hwy 395: 540		
Groundcover:	Sand and shrubs		
Representative Area:	4 km area		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	1/16/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2 meters above roof; 4.6 meters AGL.	Sampling Season:	Year-round
Anemometer Height (m)	10.1 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.0 meters	Dist to Supporting Struct:	0.3m below inlet; 1.7m above roof
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	Met tower: 4.6 meters; power pole 9.1 meters		
Distance From Trees:	N/A; no trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/10/2014; District 1/28/2014, 6/23/2014, 12/19/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Lizard Tail TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
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Site Name: **Lone Pine FDMS**

Site Number: 699	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 405400
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4052020
FIPS Code: 06-027	Monitor Type: PM10 TEOM 1400 ab/8500c FDMS - not a reference monitor, PM10 continuous; SLAMS monitor		
AQS Number: 0004			
Current: Yes			

Location:	Southern Inyo Hospital		
Address:	501 East Locust Rd, Lone Pine, CA		
Distance to Road:	85m so. To east Locust; 610m west to 395		
Traffic Count:	200 on East Locust; 6000 on Hwy 395		
Groundcover:	rooftop, asphalt roofing		
Representative Area:	Community of Lone Pine		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	4/17/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2.82 meters above roof; 6.5 m AGL	Sampling Season:	Year-round
Anemometer Height (m)	N/A	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.6m below inlet; 0.7m above roof
Distance from Obstructions on Roof:	30 meters		
Distance from Obstructions Not on Roof:	29 meters		
Distance From Trees:	29 meters		
Distance to Furnace or Incinerator:	65 meters		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/9/2014; District 2/18/2014, 6/20/2014, 12/15/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Lone Pine FDMS**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
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Site Name: **Lone Pine MET**

Site Number: 711	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 406300
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: No	UTM Y: 4051850
FIPS Code: 06-027	Monitor Type: SLAMS monitor		
AQS Number: 0019			
Current: Yes			

Location:	Lone Pine Wastewater Treatment Plant		
Address:	OUT AT THE SEWER PONDS ONE MILE E OF LOCUST ST		
Distance to Road:	30 meters to access road; 1370 west to Hwy 395		
Traffic Count:	1 per week; 6000		
Groundcover:	dirt and grass		
Representative Area:	rural area east of Lone Pine		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	5/14/1986
Sampling Method:	N/A	Operation Schedule:	5 minutes
Probe Height:	Precip gage @ 1.5 m AGL	Sampling Season:	Year-round
Anemometer Height (m)	9.54 meters	Analysis Method:	N/A
Temp Probe Height (m):	9.03 meters	Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	40 meters to phone pole		
Distance From Trees:	100 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Lone Pine MET**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Mammoth FDMS**

Site Number: 785	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 326514
County: Mono	Site Operator: Guy Davis	TEOM Installed?: Yes	UTM Y: 4168312
FIPS Code: 06-051	Monitor Type: Primary: PM10 TEOM 1400ab/8500c FDMS PM10 continuous (started 1/1/2006); Collo: PM10 Partisol 2025, RFPS-1298-127, PM10 FRM (started 2/1/2003); All monitors SLAMS		
AQS Number: 0001			
Current: Yes			

Location:	Town of Mammoth Lakes, CA		
Address:	Gateway Home Center, Mammoth Lakes, CA		
Distance to Road:	30.5 meters east to Old Mammoth Rd.; 124m NNE to Hwy 203		
Traffic Count:	OMR:6600; Hwy 203 13,200		
Groundcover:	Urban; asphalt composite roof and pavement		
Representative Area:	Town of Mammoth Lakes		
Pollutant:	PM10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	1/1/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly (TEOM); 1/3 day Partisol
Probe Height:	FDMS: 4 meters above roof; Partisol: 3 meters ab	Sampling Season:	Year-round;Part. Started 2/1/03
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	0.5m below inlet
Distance from Obstructions on Roof:	N/A; Distance to Supporting Struct. Cont: TEOM and Partisol 0.7m above enclosure		
Distance from Obstructions Not on Roof:	30.5 meters (at 55 degrees and 180 degrees)		
Distance From Trees:	40 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	3 m from TEOM inlet to Partisol inlet		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	Monthly - partisol by Station Operator; EPA 10/8/2009, 3/25/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/9/2011; ARB 10/15/2014; District 4/30/2014, 6/24/2014, 12/18/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Mammoth FDMS**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / http://www.gbuapcd.org

Site Name: **Mill**

Site Number: 1013	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 423663
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4035093
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0030			
Current: Yes			

Location:	2 miles south of Keeler		
Address:	East shore Owens Lake, CA		
Distance to Road:	0.4 km to Hwy 190. 590m east to Hwy 136; 15m east to access rd.		
Traffic Count:	430 on Hwy 395; 5 on access rd.		
Groundcover:	Gravel		
Representative Area:	Regional		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	11/14/2001
Sampling Method:	N/A	Operation Schedule:	hourly; offline 12/26/12-12/18/14
Probe Height:	4.2 meters	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	1.8m above roof
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; ARB 10/19/11; EPA 11/10/11		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Mill**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Mono Shore TEOM**

Site Number: 901	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 329153
County: Mono	Site Operator: Guy Davis	TEOM Installed?: Yes	UTM Y: 4215350
FIPS Code: 06-051	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0011			
Current: Yes			

Location:	Northeast shore of Mono Lake		
Address:	Mono Lake, CA		
Distance to Road:	4.4 km north to CA Hwy 167		
Traffic Count:	200		
Groundcover:	Course sand		
Representative Area:	Beach area, Mono Lake, CA		
Pollutant:	PM-10		
Monitor Objective:	Highest Concentration		
Spatial Scale:	Neighborhood Scale	Start Date:	6/2/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2.5 meters TEOM	Sampling Season:	Year-round
Anemometer Height (m)	7m	Analysis Method:	Gravimetry
Temp Probe Height (m):	6 meters	Dist to Supporting Struct:	0.4m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	No obstructions on roof		
Distance from Obstructions Not on Roof:	No obstructions to air flow		
Distance From Trees:	50 meters to dune shrubs		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/9/2011; ARB 10/15/2014; District 4/30/2014, 6/24/2014, 12/18/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Mono Shore TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Ncore**

Site Number: 695	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 382152
County: Inyo	Site Operator: Guy Davis	TEOM Installed?: Yes	UTM Y: 4135722
FIPS Code: 06-027	Monitor Type: PM10 TEOM 1400 ab/8500c FDMS - not a reference monitor, PM10 continuous; All monitors		
AQS Number: 0002	NCORE		
Current: Yes			

Location:	Bishop, CA - White Mountain Research Center, Owens Valley Lab		
Address:	200 Poleta Road, BISHOP, CA. 93514		
Distance to Road:	80 m north of site		
Traffic Count:	200/day (estimate)		
Groundcover:	Decomposed granite		
Representative Area:	50-100 km radius		
Pollutant:	PM10, PM2.5, PM Course, O3, SO2, CO, Noy		
Monitor Objective:	Background Level		
Spatial Scale:	Regional	Start Date:	1/1/2013
Sampling Method:	See attached list	Operation Schedule:	Minutely
Probe Height:	4.9 meters (PM inlets); 3.8m gaseous	Sampling Season:	Year-round
Anemometer Height (m)	10.0m	Analysis Method:	See attached list
Temp Probe Height (m):	9.5 meters	Dist to Supporting Struct:	1m from railing; 1.1m above roof
Distance from Obstructions on Roof:	1m from railing and IMPROVE inlets to north / 1.2m above roof (IMPROVE)		
Distance from Obstructions Not on Roof:	265 meters east side of sparse trees		
Distance From Trees:	265 meters east of station		
Distance to Furnace or Incinerator:	No furnaces or incinerators within 4 miles		
Distance Between Collocated Monitors:	1 meter, 20m in height		
Unrestricted Airflow:	360		
Probe Material:	Borosilicate glass and FEP Teflon		
Residence Time:	27 seconds		
Will there be a change in 18 months?:	Not likely		
Suitable comparison against annual PM2.5?:	Yes		
Frequency of flow rate verification for manual PM sampler audit:	Monthly		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; Annual EPA or ARB Audits, Quarterly District Audits		
Frequency of one-point QC check (gaseous):	Weekly		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Ncore**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / http://www.gbuapcd.org

Site Name: **North Beach TEOM**

Site Number: 1017	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 411379
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4044551
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0029			
Current: Yes			

Location:	North shore, Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	30 meters north to Main Line Road		
Traffic Count:	10		
Groundcover:	gravel		
Representative Area:	North shore, Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	8/4/2014
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2 meters above roof; 4.4 meters AGL	Sampling Season:	Year-round
Anemometer Height (m)	5.3	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.4m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	No obstructions on roof; 1.1m from sample cone to IMPROVE inlet, 1.2 m to TAPI602 inlet		
Distance from Obstructions Not on Roof:	4meters to power pole		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/10/2014; District 12/15/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **North Beach TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Olancha 3 TEOM**

Site Number: 729	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 410806
County: Inyo	Site Operator: Dan Johnson	TEOM Installed?: Yes	UTM Y: 4014080
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0021			
Current: Yes			

Location:	Community of Olancha, CA		
Address:	131 WALKER CREEK RD., Olancha, CA 93549		
Distance to Road:	0.5 KM to Hwy 395		
Traffic Count:	5600		
Groundcover:	Sand, gravel, brush		
Representative Area:	Community of Olancha		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Population-oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	8/17/1995
Sampling Method:	Gravimetry	Operation Schedule:	hourly
Probe Height:	4.45 meters	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	PM10 Impactor
Temp Probe Height (m):	9.15 meters	Dist to Supporting Struct:	0.5m below inlet; 1.5m above roof
Distance from Obstructions on Roof:	3m to PM10 Partisol inlet(temporarily down)		
Distance from Obstructions Not on Roof:	10 meters to tower		
Distance From Trees:	0.5 km		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/10/2014; District 2/20/2014, 12/30/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Olancha 3 TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Portable-1 TEOM**

Site Number:	Collecting Agency:	GBUAPCD	MET Installed?:	No	UTM X:
County:	Inyo	Site Operator:	Valerie Thorp	TEOM Installed?:	Yes
FIPS Code:	06-027	Monitor Type:	TEOM 1400ab, EQPM-1090-079, PM10 continuous; Special Purpose Monitor		
AQS Number:					
Current:	No				

Location:	Variable, short (3-day periods) monitoring of source areas on Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	variable		
Traffic Count:	N/A		
Groundcover:	varies depending on location		
Representative Area:	Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Highest concentration		
Spatial Scale:	Neighborhood scale	Start Date:	1/1/2009
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2.4 meters	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	1.5m above roof
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Upon installation and removal		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Portable-1 TEOM**

Site Photo:

North-facing photo:

East-facing photo:

West-facing photo:

South-facing photo:



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **Portable-2 TEOM**

Site Number:	Collecting Agency:	GBUAPCD	MET Installed?:	Yes	UTM X:
County:	Inyo	Site Operator:	Dan Johnson	TEOM Installed?:	Yes
FIPS Code:	06-027	Monitor Type:	TEOM 1400ab, EQPM-1090-079, PM10 continuous; Special Purpose Monitor		
AQS Number:					
Current:	Yes				

Location:	Variable, short (3-day periods) monitoring of source areas on Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	variable		
Traffic Count:	N/A		
Groundcover:	Sandy crusts		
Representative Area:	Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Highest concentration		
Spatial Scale:	Neighborhood scale	Start Date:	3/23/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2.35 meters	Sampling Season:	Year-round
Anemometer Height (m)	3.3 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.8m above roof
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Upon installation and removal		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



GBUAPCD Site Report

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Site Name: **Portable-2 TEOM**

Site Photo:

North-
facing
photo:

East-facing
photo:

West-
facing
photo:

South-
facing
photo:



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **Portable-3 TEOM**

Site Number:	Collecting Agency:	GBUAPCD	MET Installed?:	Yes	UTM X:
County:	Inyo	Site Operator:	Steve Mobley	TEOM Installed?:	Yes
FIPS Code:	06-027	Monitor Type:	TEOM 1400ab, EQPM-1090-079, PM10 continuous; Special Purpose Monitor		
AQS Number:					
Current:	Yes				

Location:	Variable, short (3-day periods) monitoring of source areas on Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	variable		
Traffic Count:	N/A		
Groundcover:	Sandy crusts		
Representative Area:	Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Highest concentration		
Spatial Scale:	Neighborhood scale	Start Date:	9/1/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	2.4 meters	Sampling Season:	Year-round
Anemometer Height (m)	3 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.8m above roof
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Upon installation and removal		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Portable-3 TEOM**

Site Photo:

North-
facing
photo:

East-facing
photo:

West-
facing
photo:

South-
facing
photo:



GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Shell Cut TEOM**

Site Number: 1012	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 419478
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4024950
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0025			
Current: Yes			

Location:	South-east shore, Owens Lake		
Address:	SHELL CUT - HIGHWAY 190 - MIDWAY BETWEEN DIRTY SOX AND FLAT ROCK, Owens Lake, CA		
Distance to Road:	164.5 meters to Hwy 190; 250m SE to CA Hwy 190		
Traffic Count:	230		
Groundcover:	Dirt, sand, gravel, shrubs		
Representative Area:	South-east shore Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	1/8/2001
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.47 meters; rain guage at 3.96 meters	Sampling Season:	Year-round
Anemometer Height (m)	10.03 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.03 meters	Dist to Supporting Struct:	0.6m below inlet; 1.7m above roof
Distance from Obstructions on Roof:	No obstructions on roof		
Distance from Obstructions Not on Roof:	2.6 meters (Met); 4.2 (powerline)		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/9/2014; District 2/18/2014, 6/20/2014, 12/15/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Shell Cut TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Simis**

Site Number: 782	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 324798
County: Mono	Site Operator: Guy Davis	TEOM Installed?: No	UTM Y: 4217850
FIPS Code: 06-051	Monitor Type: SLAMS monitor		
AQS Number: 0007			
Current: No			

Location:	1.8 km north of Mono Lake		
Address:	SIMIS RES-HIWY 167, MONO LAKE, CA		
Distance to Road:	475 meters to CA 167; NW of site		
Traffic Count:	120		
Groundcover:	Sagebrush/Rabbitbrush Scrub		
Representative Area:	High Desert		
Pollutant:	N/A		
Monitor Objective:	MET data collection suspended July 2011		
Spatial Scale:	Neighborhood	Start Date:	5/21/1982
Sampling Method:	N/A	Operation Schedule:	hourly
Probe Height:	10 meters AGL	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	N/A
Temp Probe Height (m):		Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	38 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Simis**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **Stanley TEOM**

Site Number: 1014	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 409315
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4024570
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; SLAMS monitor		
AQS Number: 0026			
Current: Yes			

Location:	Ash Point; West side Owens Lake, CA		
Address:	BILL STANLEY SITE - OWENS LAKE, CA		
Distance to Road:	85 meters to Lake Minerals Rd.; 1.15km west to US 395		
Traffic Count:	1-LMR; 6600-395		
Groundcover:	sand and shrubs		
Representative Area:	Southwestern shoreline of Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	3/4/2002
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.61 meters; rain guage at 1.58 meters	Sampling Season:	Year-round
Anemometer Height (m)	10.06 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.27 meters	Dist to Supporting Struct:	0.4m below inlet; 1.9m above roof
Distance from Obstructions on Roof:	2.1 m to tower (attached to shelter)		
Distance from Obstructions Not on Roof:	7.6 meters to power pole		
Distance From Trees:	N/A - no trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 11/10/2011; ARB 9/9/2014; District 2/18/2014, 6/20/2014, 12/15/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **Stanley TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **T-23 TEOM - Shut down Aug 2012**

Site Number: 1043	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 420143
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4035210
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079; Special Purpose Monitor		
AQS Number:			
Current: No			

Location:	Eastern Owens Lake Shallow Flood Area		
Address:	Owens Lake, CA		
Distance to Road:	2.4 meters to berm		
Traffic Count:	N/A		
Groundcover:	Dirt, gravel, water		
Representative Area:			
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor began April 2010.		
Spatial Scale:	Neighborhood Scale	Start Date:	3/8/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.1 meters	Sampling Season:	Year-round
Anemometer Height (m)	10 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	N/A
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-23 TEOM - Shut down Aug 2012**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **T-25 TEOM - Shut down Mar 2010**

Site Number: 1041	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 420186
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4036040
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079; Special Purpose Monitor		
AQS Number:			
Current: No			

Location:	East-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	2.4 meters to berm		
Traffic Count:	TBD		
Groundcover:	Dirt, gravel, water		
Representative Area:	Central Owens Lake special purpose monitor		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor shut down March 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	4/24/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.1 meters	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	0
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	26.0 meters (Met/DWP)		
Distance From Trees:	0		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-25 TEOM - Shut down Mar 2010**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **T-27 TEOM**

Site Number: 1044	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 419170
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4036794
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; Special Purpose Monitor		
AQS Number:			
Current: Yes			

Location:	On-lake monitor, NE Owens Lake Shallow Flood Area		
Address:	Owens Lake, CA		
Distance to Road:	~6m to Road #6 (Berm Road)		
Traffic Count:	10 per day (estimate)		
Groundcover:	Dirt, gravel, water, vegetation		
Representative Area:	Northeastern Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor, began Aug 2012		
Spatial Scale:	Neighborhood Scale	Start Date:	8/21/2012
Sampling Method:	PM-10 Impactor	Operation Schedule:	Hourly (continuous)
Probe Height:	4.2 metersAGL (1.7m above shelter roof)	Sampling Season:	Year-round
Anemometer Height (m)	5.32 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.2m below inlet; 1.2m above roof
Distance from Obstructions on Roof:	2m to met. support post		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	none		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	no		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Site Operator; Quarterly by District Auditor: 1/28/2014, 6/23/2014, 12/19/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-27 TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
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Site Name: **T-4 TEOM - Shut down July 2012**

Site Number: 1042	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 413927
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4022240
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079; Special Purpose Monitor		
AQS Number:			
Current: No			

Location:	On-lake monitor, southern portion Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	4.7 meters		
Traffic Count:	TBD		
Groundcover:	Veg, sand, large gravel, water		
Representative Area:	Southern Owens Lke		
Pollutant:	PM-10		
Monitor Objective:	Source Impact; special purpose monitor began operation April 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	2/25/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.7 meters	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	0
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	0		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-4 TEOM - Shut down July 2012**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
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Site Name: **T-7 TEOM**

Site Number: 1045	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 412968
County: Inyo	Site Operator: Susan Determann	TEOM Installed?: Yes	UTM Y: 4024666
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079, PM10 continuous; Special Purpose Monitor		
AQS Number:			
Current: Yes			

Location:	On-lake monitor, southern portion of Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	10m to driveway		
Traffic Count:	2 per day (estimate)		
Groundcover:	Veg, sand, open playa		
Representative Area:	Southern Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor, began July 2012		
Spatial Scale:	Neighborhood Scale	Start Date:	7/9/2012
Sampling Method:	PM-10 Impactor	Operation Schedule:	Hourly (continuous)
Probe Height:	4.4 meters	Sampling Season:	Year-round
Anemometer Height (m)	5.27 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	N/A	Dist to Supporting Struct:	0.5m below inlet; 1.6m above roof
Distance from Obstructions on Roof:	1.7m to met. support post		
Distance from Obstructions Not on Roof:	No obstructions		
Distance From Trees:	none		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	no		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Site Operator; Quarterly by District Auditor: 1/28/2014, 6/23/2014, 12/15/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-7 TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / http://www.gbuapcd.org

Site Name: **T-8 TEOM - Shut down Feb 2010**

Site Number: 1040	Collecting Agency: GBUAPCD	MET Installed?: No	UTM X: 414928
County: Inyo	Site Operator: Steve Mobley	TEOM Installed?: Yes	UTM Y: 4024930
FIPS Code: 06-027	Monitor Type: TEOM 1400ab, EQPM-1090-079; Special Purpose Monitor		
AQS Number:			
Current: No			

Location:	South-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	19.2 meters (berm)		
Traffic Count:	TBD		
Groundcover:	Veg, sand, large gravel		
Representative Area:	Southern Owens Lake special purpose monitor		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor shut down Feb 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	4/24/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	4.4. meters	Sampling Season:	Year-round
Anemometer Height (m)		Analysis Method:	Gravimetry
Temp Probe Height (m):		Dist to Supporting Struct:	0
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	0		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:**
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **T-8 TEOM - Shut down Feb 2010**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





GBUAPCD Site Report

Great Basin Unified Air Pollution Control District
157 Short Street
Bishop, CA 93514
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **WMRC-OVL FDMS**

Site Number: 695	Collecting Agency: GBUAPCD	MET Installed?: Yes	UTM X: 382151
County: Inyo	Site Operator: Valerie Thorp	TEOM Installed?: Yes	UTM Y: 4135722
FIPS Code: 06-027	Monitor Type: PM10 TEOM 1400 ab/8500c FDMS - not a reference monitor, PM10 continuous; All monitors SLAMS		
AQS Number: 0002			
Current: Yes			

Location:			
Address:	3000 E. LINE ST., BISHOP, CA. 93514		
Distance to Road:	80m north of site		
Traffic Count:	200 est.		
Groundcover:	Decomposed granite		
Representative Area:	Owens Valley 50 to 100km radius		
Pollutant:	PM10		
Monitor Objective:	Background Level		
Spatial Scale:	Regional	Start Date:	4/7/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Probe Height:	5 meters (inlet)	Sampling Season:	Year-round
Anemometer Height (m)	10.0 meters	Analysis Method:	Gravimetry
Temp Probe Height (m):	9.6 meters	Dist to Supporting Struct:	0.3m below inlet; 1.3m above roof
Distance from Obstructions on Roof:	No obstructions on roof		
Distance from Obstructions Not on Roof:	3 meters to met tower		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA (none); ARB 10/14/2014; District 6/25/2014, 12/18/2014		
Frequency of one-point QC check (gaseous):	N/A		

- Meteorological Variables:
- Variable: Temperature
 - Variable: Barometric Pressure
 - Variable: Precipitation
 - Variable: Wind Speed
 - Variable: Wind Direction
 - Variable: Relative Humidity



Site Name: **WMRC-OVL FDMS**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:

