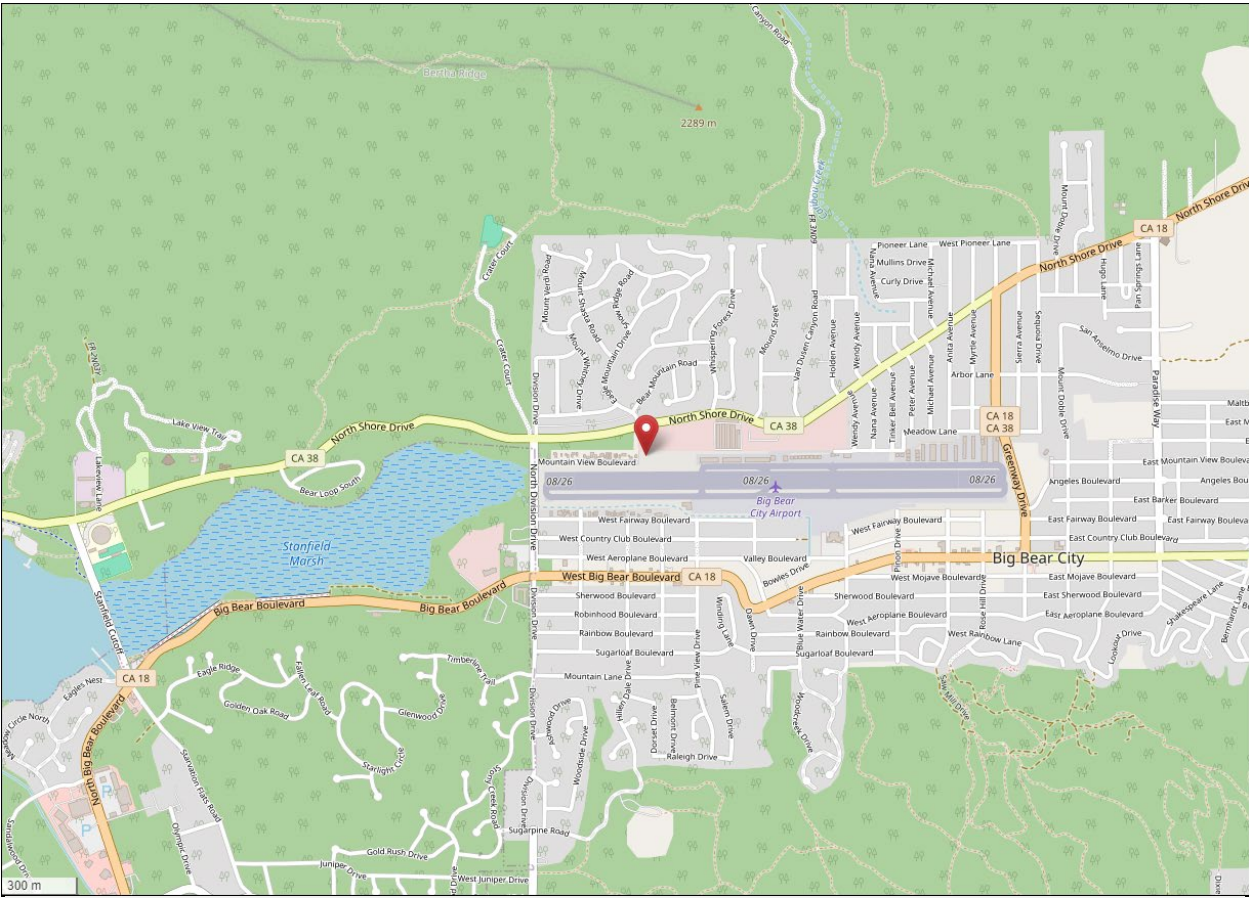
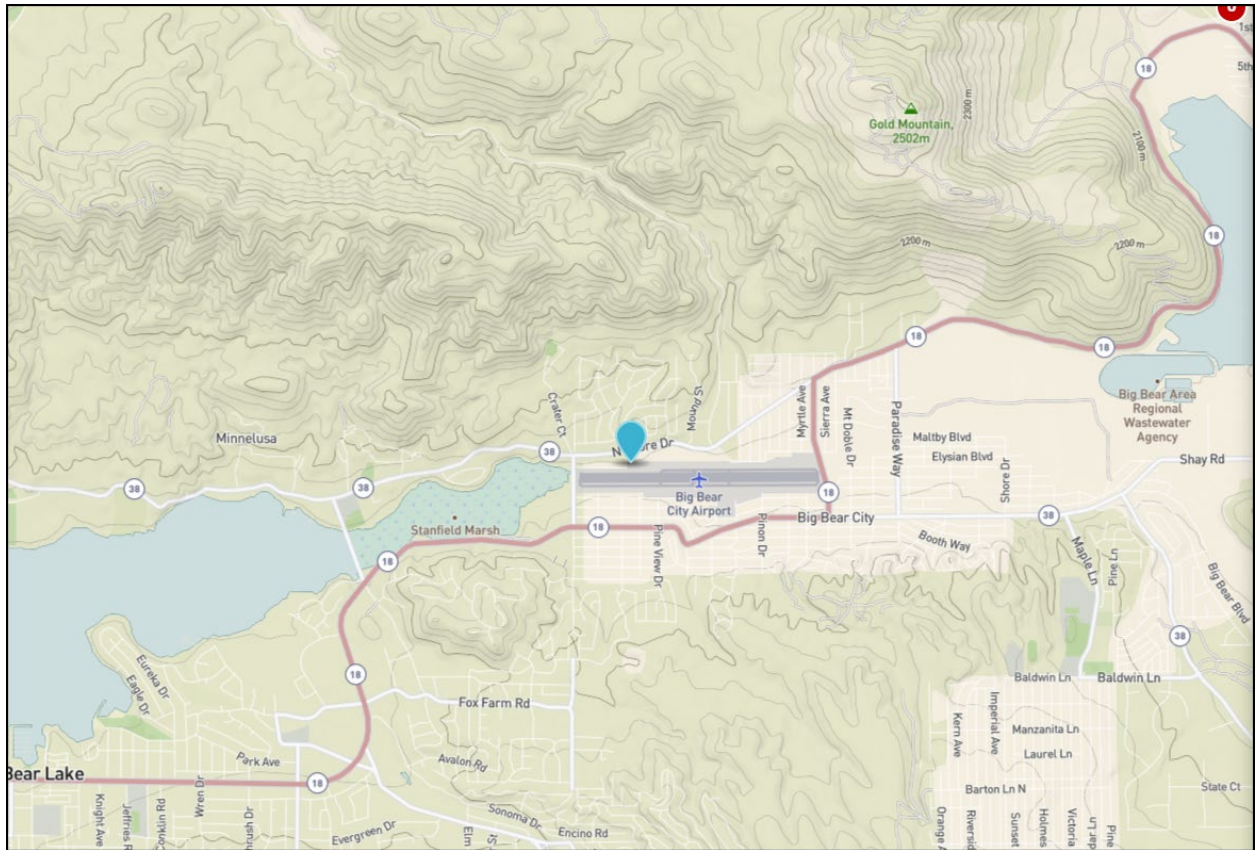


**South Coast AQMD**  
**Site Survey Report for Big Bear**  
*Last updated: May 7, 2024*



| AQS ID    | ARB Number | Site Start Date | Reporting Agency and Agency Code |
|-----------|------------|-----------------|----------------------------------|
| 060718001 | 36001      | 02/1999         | South Coast AQMD (0972)          |

| Site Address                                   | County         | Air Basin   | Latitude  | Longitude   | Elevation |
|--|----------------|-------------|-----------|-------------|-----------|
| 501 W. Valley Blvd.<br>Big Bear City, CA 92314 | San Bernardino | South Coast | 34.264640 | -116.861470 | 2059      |



## Detailed Site Information

|   |  |  |  |  |
|---|--|--|--|--|
| Local site name   | Big Bear                                       |  |  |  |
| AQS ID  | 060718001                                      |  |  |  |
| GPS coordinates (decimal degrees)                               | Latitude: 34.264640, Longitude: -116.861470    |  |  |  |
| Street Address  | 501 W. Valley Blvd., Big Bear, CA 92314        |  |  |  |
| County  | San Bernardino                                 |  |  |  |
| Distance to roadways (meters)                                   | 114, SR-38                                     |  |  |  |
| Traffic count (AADT, year)                                      | 5500, 2022                                     |  |  |  |
| Groundcover<br>(e.g. asphalt, dirt, sand)                       | Grassland                                      |  |  |  |
| Representative statistical area name<br>(i.e. MSA, CBSA, other) | 40140-Riverside-San Bernardino-Ontario, CA MSA |  |  |  |
| Pollutant, POC  | Continuous PM2.5, 3                            | 24 Hour PM2.5, 1   |  |  |
| Primary / QA<br>Collocated / Other                              | Primary  | Collocated<br><i>For Network Met One<br/>BAM 1022 (PM 2.5)</i> |  |  |
| Parameter code  | 88101  | 88101  |  |  |
| Basic monitoring<br>objective(s)                                | NAAQS  | NAAQS  |  |  |
| Site type(s)  | Population Exposure                            | Population Exposure  |  |  |
| Monitor (type)  | SLAMS  | SLAMS  |  |  |
| Network Affiliation   | N/A  | N/A  |  |  |
| Instrument<br>manufacturer and<br>model                         | Met One BAM 1022                               | Partisol 2000i   |  |  |
| Method code   | 209  | 143  |  |  |
| FRM/FEM/ARM/<br>other   | FEM  | FRM  |  |  |
| Collecting Agency   | South Coast AQMD                               | South Coast AQMD   |  |  |
| Analytical Lab (i.e.,<br>weigh lab, toxics lab,<br>other)       | South Coast AQMD                               | South Coast AQMD   |  |  |
| Reporting Agency  | South Coast AQMD                               | South Coast AQMD   |  |  |
| Spatial scale (e.g.<br>micro, neighborhood)                     | Neighborhood                                   | Neighborhood   |  |  |
| Monitoring start date<br>(MM/DD/YYYY)                           | 01/2022  | 02/08/1999   |  |  |
| Current sampling<br>frequency (e.g. 1:3,<br>continuous)         | Continuous                                     | 1:12   |  |  |
| Calculated sampling<br>frequency<br>(e.g. 1:3/1:1)              | N/A  | 1:12   |  |  |
| Sampling season<br>(MM/DD-MM/DD)                                | 01/01-12/31                                    | 01/01-12/31  |  |  |
| Probe height (meters)   | 3.0  | 2.8  |  |  |
| Distance from<br>supporting structure<br>(meters)               | N/A  | N/A  |  |  |
| Distance from<br>obstructions on roof<br>(meters)               | N/A  | N/A  |  |  |

|  |                           |                           |  |  |
|--|---------------------------|---------------------------|--|--|
| Distance from obstructions not on roof (meters)                                | N/A                       | N/A                       |  |  |
| Distance from trees (meters)   | 29 m West<br>Height 8.3 m | 30 m West<br>Height 8.3 m |  |  |
| Distance to furnace or incinerator flue (meters)                               | N/A                       | N/A                       |  |  |
| Distance between colocated monitors (meters)                                   | 1                         | 1                         |  |  |
| Unrestricted airflow (degrees)   | 360°                      | 360°                      |  |  |
| Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)        | N/A                       | N/A                       |  |  |
| Residence time for reactive gases (seconds)                                    | N/A                       | N/A                       |  |  |
| Will there be changes within the next 18 months? (Y/N)                         | No                        | No                        |  |  |
| Is it suitable for comparison against the annual PM <sub>2.5</sub> ? (Y/N)     | Yes                       | Yes                       |  |  |
| Frequency of flow rate verification for manual PM samplers                     | N/A                       | Monthly                   |  |  |
| Frequency of flow rate verification for automated PM analyzers                 | Monthly                   | N/A                       |  |  |
| Frequency of one-point QC check for gaseous instruments                        | N/A                       | N/A                       |  |  |
| Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)         | N/A                       | N/A                       |  |  |
| Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY) | 04/20/2023<br>09/22/2023  | 04/12/2022<br>09/22/2022  |  |  |

## **Big Bear Site Photos**



**Looking North from the probe.**



**Looking East from the probe.**



**Looking South from the probe.**



**Looking West from the probe.**



**Big Bear  
Site Photos (Cont.)**



**Looking at the probe from the North.**



**Looking at the probe from the East.**



**Looking at the probe from the South.**



**Looking at the probe from the West.**