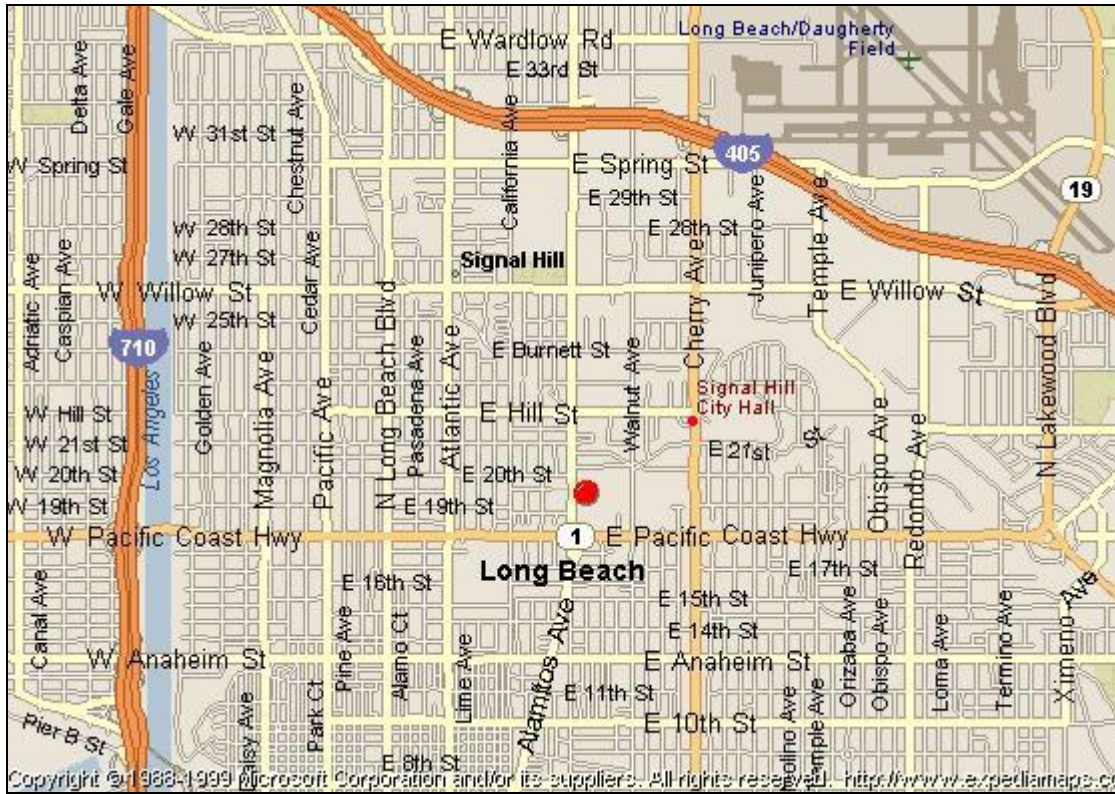


## South Coast AQMD Site Survey Report for Long Beach (South)

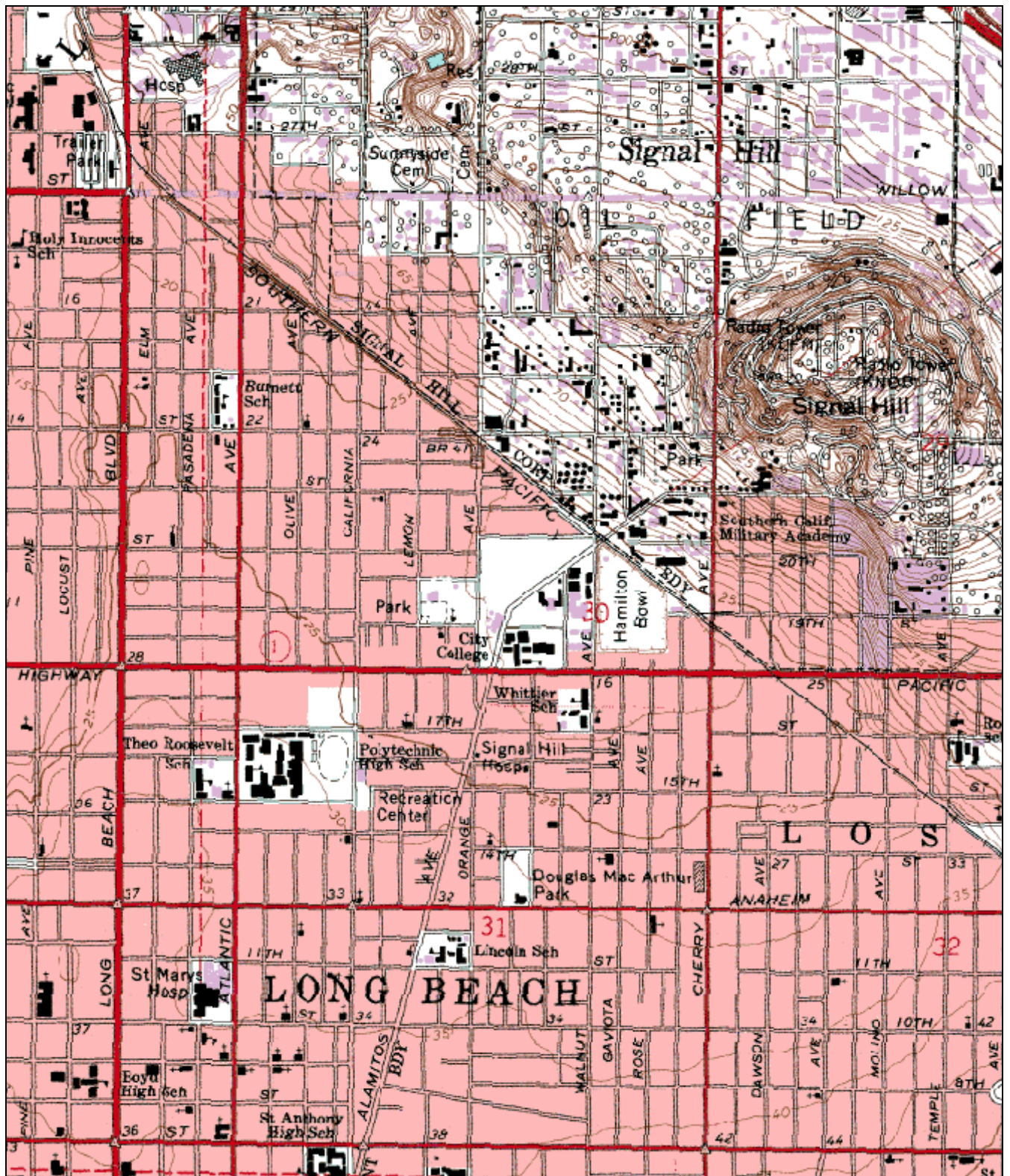
Last updated: May 19, 2022



| AQS ID    | ARB Number | Site Start Date | Reporting Agency and Agency Code |
|-----------|------------|-----------------|----------------------------------|
| 060374004 | 70110      | 06/2003         | South Coast AQMD (0972)          |

| Site Address  | County      | Air Basin   | Latitude     | Longitude     | Elevation |
|---|-------------|-------------|--------------|---------------|-----------|
| 1305 E. Pacific Coast Highway<br>Long Beach, CA 90806 | Los Angeles | South Coast | 33° 47' 32"N | 118° 10' 31"W | 6         |





## Detailed Site Information

|   |   |   |                     |                     |
|---|---|---|---------------------|---------------------|
| Local site name   | Long Beach (South)                                  |   |                     |                     |
| AQS ID  | 060374004   |   |                     |                     |
| GPS coordinates (decimal degrees)                               | Latitude: 33° 47' 32" Longitude: 118° 10' 31"       |   |                     |                     |
| Street Address  | 1305 E. Pacific Coast Highway, Long Beach, CA 90806 |   |                     |                     |
| County  | Los Angeles   |   |                     |                     |
| Distance to roadways (meters)                                   | 86  |   |                     |                     |
| Traffic count (AADT, year)                                      | 10,000 / 2012                                       |   |                     |                     |
| Groundcover<br>(e.g. asphalt, dirt, sand)                       | Asphalt   |   |                     |                     |
| Representative statistical area name<br>(i.e. MSA, CBSA, other) | 31080-Los Angeles-Long Beach-Anaheim MSA            |   |                     |                     |
| Pollutant, POC  | PM10, 2   | Lead, 2   | Continuous PM2.5, 3 | 24 Hour PM2.5, 1    |
| Primary / QA<br>Collocated / Other                              | Primary   | Primary   | Other               | Primary             |
| Parameter code  | 81102   | 14129   | 88101               | 88101               |
| Basic monitoring<br>objective(s)                                | NAAQS   | NAAQS   | NAAQS               | NAAQS               |
| Site type(s)  | Population Exposure                                 | Non-source-oriented                             | Population Exposure | Population Exposure |
| Monitor (type)  | SLAMS   | SLAMS   | SLAMS               | SLAMS               |
| Network Affiliation   | N/A   | N/A   | N/A                 | N/A                 |
| Instrument<br>manufacturer and<br>model                         | Tisch TE-6001                                       | Tisch TE 300-310<br>TSP                         | Met One BAM 1020    | Partisol 2025i      |
| Method code   | 141   | 110   | 170                 | 145                 |
| FRM/FEM/ARM/<br>other   | FRM   | FRM   | FEM                 | FRM                 |
| Collecting Agency   | South Coast AQMD                                    | South Coast AQMD                                | South Coast AQMD    | South Coast AQMD    |
| Analytical Lab (i.e.,<br>weigh lab, toxics lab,<br>other)       | South Coast AQMD                                    | South Coast AQMD                                | South Coast AQMD    | South Coast AQMD    |
| Reporting Agency  | South Coast AQMD                                    | South Coast AQMD                                | South Coast AQMD    | South Coast AQMD    |
| Spatial scale (e.g.<br>micro, neighborhood)                     | Neighborhood  | Neighborhood                                    | Neighborhood        | Neighborhood        |
| Monitoring start date<br>(MM/DD/YYYY)                           | 06/20/2003  | 06/20/2003                                      | 06/20/2003          | 06/20/2003          |
| Current sampling<br>frequency (e.g. 1:3,<br>continuous)         | 1:6   | 1:6   | Continuous          | 1:1                 |
| Calculated sampling<br>frequency<br>(e.g. 1:3/1:1)              | 1:6   | 1:6   | N/A                 | 1:3                 |
| Sampling season<br>(MM/DD-MM/DD)                                | 01/01-12/31   | 01/01-12/31                                     | 01/01-12/31         | 01/01-12/31         |
| Probe height (meters)   | 2.6   | 2.2   | 2.6                 | 3.0                 |
| Distance from<br>supporting structure<br>(meters)               | 1.6<br>*supporting structure<br>is stand itself     | 1.2<br>*supporting structure<br>is stand itself | 2.6                 | 2.0                 |
| Distance from<br>obstructions on roof<br>(meters)               | N/A   | N/A   | N/A                 | N/A                 |

|  |                          |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| Distance from obstructions not on roof (meters)                                | N/A                      | N/A                      | N/A                      | N/A                      |
| Distance from trees (meters)   | N/A                      | N/A                      | N/A                      | N/A                      |
| Distance to furnace or incinerator flue (meters)                               | N/A                      | N/A                      | N/A                      | N/A                      |
| Distance between collocated monitors (meters)                                  | N/A                      | N/A                      | 1.5 (Flow <200 lpm)N/A   | N/A                      |
| Unrestricted airflow (degrees)   | 360°                     | 360°                     | 360°                     | 360°                     |
| Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)        | N/A                      | N/A                      | N/A                      | N/A                      |
| Residence time for reactive gases (seconds)                                    | N/A                      | N/A                      | N/A                      | N/A                      |
| Will there be changes within the next 18 months? (Y/N)                         | Yes                      | Yes                      | Yes                      | Yes                      |
| Is it suitable for comparison against the annual PM2.5? (Y/N)                  | N/A                      | N/A                      | Yes                      | Yes                      |
| Frequency of flow rate verification for manual PM samplers                     | Monthly                  | Monthly                  | N/A                      | Monthly                  |
| Frequency of flow rate verification for automated PM analyzers                 | N/A                      | N/A                      | Monthly                  | N/A                      |
| Frequency of one-point QC check for gaseous instruments                        | N/A                      | N/A                      | N/A                      | N/A                      |
| Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)         | N/A                      | N/A                      | N/A                      | N/A                      |
| Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY) | 03/24/2021<br>08/31/2021 | 03/24/2021<br>08/31/2021 | 03/24/2021<br>08/31/2021 | 03/24/2021<br>08/31/2021 |

|   |                                  |                  |                  |  |
|---|----------------------------------|------------------|------------------|--|
| Pollutant, POC  | WS & D, 1/1                      | RH/T, 1/1        | BP, 1            |  |
| Primary / QA<br>Collocated / Other                        | N/A                              | N/A              | N/A              |  |
| Parameter code  | 61101/61102                      | 62201/62101      | 64101            |  |
| Basic monitoring<br>objective(s)                          | Research                         | Research         | Reaearch         |  |
| Site type(s)  | Meteorological                   | Meteorological   | Meteorological   |  |
| Monitor (type)  | SLAMS                            | SLAMS            | SLAMS            |  |
| Network affiliation                                       | N/A                              | N/A              | N/A              |  |
| Instrument<br>manufacturer and<br>model                   | Met One Sonic<br>Anemometer 50.5 | Met One 083D     | Met One 091      |  |
| Method code   | 061/061                          | 061/061          | 015              |  |
| FRM/FEM/ARM/<br>other                                     | N/A                              | N/A              | N/A              |  |
| Collecting Agency   | South Coast AQMD                 | South Coast AQMD | South Coast AQMD |  |
| Analytical Lab (i.e.,<br>weigh lab, toxics lab,<br>other) | N/A                              | N/A              | N/A              |  |
| Reporting Agency  | South Coast AQMD                 | South Coast AQMD | South Coast AQMD |  |
| Spatial scale (e.g.<br>micro, neighborhood)               | Neighborhood                     | Neighborhood     | Neighborhood     |  |
| Monitoring start date<br>(MM/DD/YYYY)                     | 08/2001                          | 08/2001          | 08/2001          |  |
| Current sampling<br>frequency (e.g.1:3,<br>continuous)    | Continuous                       | Continuous       | Continuous       |  |
| Calculated sampling<br>frequency<br>(e.g. 1:3/1:1)        | 1:1                              | 1:1              | 1:1              |  |
| Sampling season<br>(MM/DD-MM/DD)                          | 01/01-12/31                      | 01/01-12/31      | 01/01-12/31      |  |
| Probe height (meters)                                     | 10                               | 9.5              | 1.5              |  |
| Distance from<br>supporting structure<br>(meters)         | 10                               | 9.5              | 1.5              |  |
| Distance from<br>obstructions on roof<br>(meters)         | N/A                              | N/A              | N/A              |  |
| Distance from<br>obstructions not on<br>roof (meters)     | N/A                              | N/A              | N/A              |  |
| Distance from trees<br>(meters)                           | N/A                              | N/A              | N/A              |  |
| Distance to furnace or<br>incinerator flue<br>(meters)    | N/A                              | N/A              | N/A              |  |
| Distance between<br>collocated monitors<br>(meters)       | N/A                              | N/A              | N/A              |  |
| Unrestricted airflow<br>(degrees)                         | 360°                             | 360°             | 360°             |  |

|  |     |     |     |  |
|--|-----|-----|-----|--|
| Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)        | N/A | N/A | N/A |  |
| Residence time for reactive gases (seconds)                                    | N/A | N/A | N/A |  |
| Will there be changes within the next 18 months? (Y/N)                         | No  | No  | No  |  |
| Is it suitable for comparison against the annual PM <sub>2.5</sub> ? (Y/N)     | N/A | N/A | N/A |  |
| Frequency of flow rate verification for manual PM samplers                     | N/A | N/A | N/A |  |
| Frequency of flow rate verification for automated PM analyzers                 | N/A | N/A | N/A |  |
| Frequency of one-point QC check for gaseous instruments                        | N/A | N/A | N/A |  |
| Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)         | N/A | N/A | N/A |  |
| Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY) | N/A | N/A | N/A |  |



**Long Beach (South)  
Site Photos**



**Looking North from the probe.**



**Looking East from the probe.**



**Looking South from the probe.**



**Looking West from the probe.**

**Long Beach (South)  
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.**