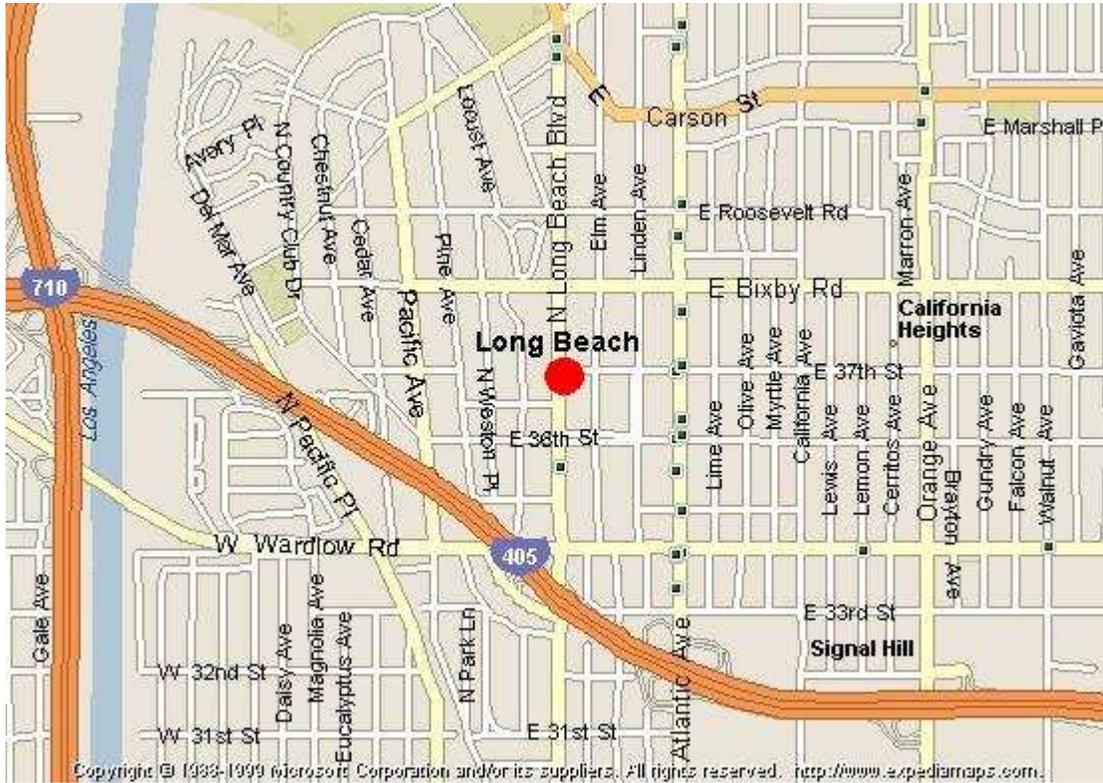
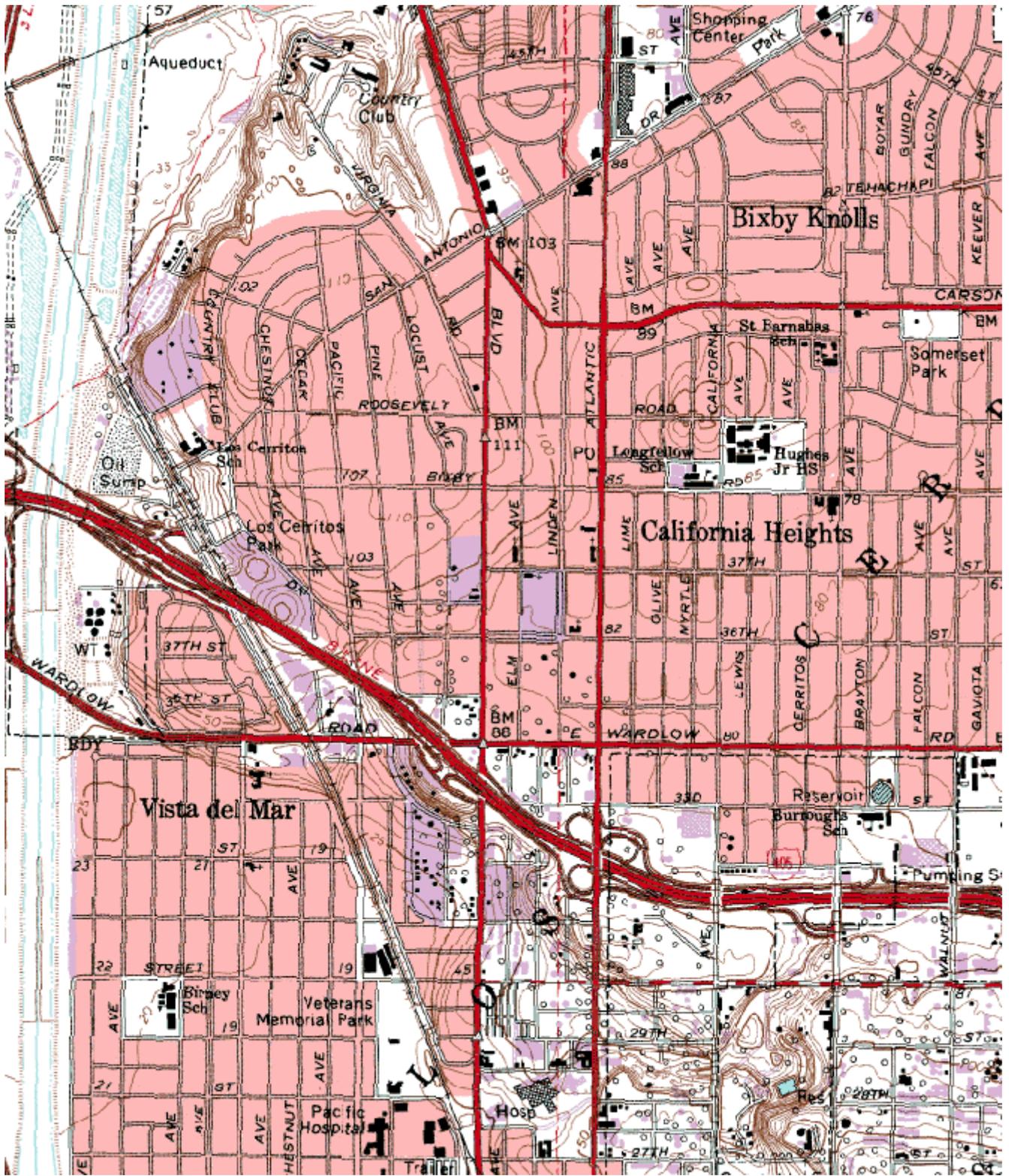


## South Coast AQMD Site Survey Report for North Long Beach (Long Beach)

Last updated May 2008



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code		
060374002	70072	01/03/99	<a href="#">South Coast AQMD (061)</a>		
Site Address	County	Air Basin	Latitude	Longitude	Elevation
3648 N Long Beach Blvd Long Beach, CA 90807	<a href="#">Los Angeles</a>	<a href="#">South Coast</a>	33° 49' 25"	118° 11' 20"	29



# Site Survey Report

## Siting Information

Site Name: North Long Beach (Long Beach)	Date: 05/14/08	State Code: 70072	AIRS Number: 060374002
Address: 3648 N Long Beach Blvd Long Beach, CA 90807	Latitude: 33° 49' 25"	Longitude: 118° 11' 20"	Elevation (m): 29
	Senior AQIS: Albert Dietrich	Site Technician: Kevin Pahl	Site Phone: (562) 424-5420
Operating Agency: South Coast AQMD			

## General Siting Conditions

<b>Station Temperature</b>	<b>Traffic</b>	<b>Topography</b>	Predominant Wind Direction: SW	
			Arc Air Flow (Deg): 360 Degrees	
		Controlled: Yes Recorded: Yes	Description: Commercial Distance: 2 meters Count (Veh/Day): 10000	Site: Level Region: Valley
<b>Meteorology</b>	<b>Non-vehicular Local Sources</b>	<b>QA Manual</b>	Manifold Clean: Yes	
			Approved: Yes	Cleaning Schedule: 6 Months
			Agency: South Coast AQMD	Autocalibrator Type: Environics 100
			Urbanization: Urban	Site Survey Complete: Yes
Located With Instruments: Yes	Description: None Distance: N/A Direction: N/A	Ground Cover: Asphalt	Logbook Up To Date: Yes	

## Action Items

## Comments

## Detailed Site Information

Site Name	North Long Beach (Long Beach)			
AQS ID (AIRS #)	060374002			
GIS coordinates	Latitude: 33° 49' 25" Longitude: 118° 11' 20"			
Location	Business Store Front			
Address	3648 N Long Beach Blvd, Long Beach, CA 90807			
County	Los Angeles			
Dist. to road	2 meters			
Traffic count	10,000 veh/day			
Groundcover	Asphalt			
PEP audit?	N/A			
NPAP audit?	11/19/07			
Flow audit?	02/07			
Representative Area	31100-Los Angeles-Long Beach-Santa Ana			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
Monitor objective	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Micro scale	Middle Scale	Middle Scale	Neighborhood Scale
Sampling method	APMA-370	API 200E	API 400E	Thermo 43i
Serial #	D000D6UK	270	523-S	527612596
Property #	E000344	E000222	N/A	16631
Last Calibration Date	04/01/08	03/27/08	04/03/08	03/28/08
Analysis method	N/A	N/A	N/A	N/A
Start date	10/62	10/62	10/62	10/62
Operation schedule	1:1	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.4	6.4	6.4	6.4
Distance from supporting structure	1.1	1.1	1.1	1.1
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	6	6	6	6
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	N/A
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	Teflon	Teflon	Teflon	Teflon
Residence time	6.1	8.4	6.9	8.9
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	No	No	No	No
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A

Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	Nightly	Nightly	Nightly	Nightly
Last Annual Performance Evaluation (gaseous)	02/15/07	09/06/07	02/16/07	02/15/07
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	PM10-SSI	TSP A (Lead)	TSP B (Lead)	TEOM PM 10
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Micro scale	Micro scale	Micro scale	Micro scale
Sampling method	GMW	GMW	GMW	TEOM RP 1400A
Serial #	N/A	N/A	N/A	14UP-2135
Property #	4934	1547	1583	11284
Last Calibration Date	03/29/08	03/29/08	03/29/08	03/28/07
Analysis method	Weighed by SCAQMD lab	Weighed by SCAQMD lab	Analyzed by SCAQMD lab	N/A
Start date	10/62	10/62	10/62	10/62
Operation schedule	1:6	1:6	1:6	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	6.7	6.3	6.3	7.0
Distance from supporting structure	1.4	1.1	1.0	1.8
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	6	3	3	3
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	> 2	> 2	N/A
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	N/A	N/A
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	Monthly	N/A	N/A	N/A

Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	Monthly
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	05/07, 11/07	05/07, 11/07	05/07, 11/07	N/A

Pollutant	SASS	PM2.5	VOC	VOC
Monitor objective	SPECIAL STUDY	HIGHEST CONCENTRATION	SPECIAL STUDY	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	MetOne SASS 2.5	Andersen RAAS2.5-300	Xontech 910A	Xontech 910 PC ARB
Serial #	D1700	359	3107	4344
Property #	N/A	E000003	13085	20005229 (ARB)
Last Calibration Date	01/03/08	10/23/07	N/A	N/A
Analysis method	Analyzed by SCAQMD Lab	Weighed by SCAQMD lab	Analyzed by SCAQMD lab	Analyzed by CARB lab
Start date	01/07	01/03/99	01/07	
Operation schedule	1:3	1:1	1:3	1:12
Sampling season	All Year	All Year	All Year	All Year
Probe height	7.1	2.8	7.0	7.0
Distance from supporting structure	1.8	1.8	1.7	1.7
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	7	15	6	6
Distance from trees	N/A	20	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	N/A
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	SS	SS/Glass/Teflon
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	Yes	N/A	N/A

Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	N/A	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	11/07, 05/07	N/A	N.A

Pollutant	Xontech 920	ARB Toxics 924	Xontech 910A/912	Aethalometer
Monitor objective	SPECIAL STUDY	REPRESENTATIVE CONCENTRATION	SPECIAL STUDY	SPECIAL STUDY
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Xontech 920	RM Environmental Systems Inc. 924	Xontech 910A/912	Magee Scientific (AE22)
Serial #	150	9241009	3902/4021	730:0609
Property #	15477	20021012 (ARB)	15764	16654
Last Calibration Date	01/30/08	01/28/08	N/A	N/A
Analysis method	Analyzed by SCAQMD lab	Analyzed by CARB lab	Analyzed by SCAQMD lab	N/A
Start date	01/07	01/03/99	01/03/99	01/07
Operation schedule	1:3	1:12	1:3	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	2.2	7.2	7.0	7.3
Distance from supporting structure	1.2	1.9	1.7	2.0
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	15	8	6	6
Distance from trees	> 20	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	N/A
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	N/A	N/A
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No

Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	PM2.5			
Monitor objective	SPECIAL STUDY			
Spatial scale	Neighborhood Scale			
Sampling method	TSI CPC Model 3781			
Serial #	81110603			
Property #	16668			
Last Calibration Date	02/08			
Analysis method	N/A			
Start date	01/07			
Operation schedule	1:1			
Sampling season	All Year			
Probe height	6.3			
Distance from supporting structure	1.07			
Distance from obstructions on roof	N/A			
Distance from obstructions not on roof	15			
Distance from trees	20			
Distance to furnace or incinerator flue	N/A			
Distance between collocated monitors	N/A			
Unrestricted airflow	Yes			
Probe material	Nickel			
Residence time	N/A			
Will there be changes within the next 18 months?	No			

Is it suitable for comparison against the annual PM2.5?	No			
Frequency of flow rate verification for manual PM samplers audit	N/A			
Frequency of flow rate verification for automated PM analyzers audit	N/A			
Frequency of one-point QC check (gaseous)	Monthly			
Last Annual Performance Evaluation (gaseous)	N/A			
Last two semi-annual flow rate audits for PM monitors	N/A			

**North Long Beach (Long Beach)  
Site Photos**



**Looking North from the probe.**



**Looking East from the probe.**



**Looking South from the probe.**



**Looking West from the probe.**

**North Long Beach (Long Beach)  
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.**