Port of Long Beach
Air Monitoring Program

The Port of LONG BEACH

Background and
Status Update

POLB Air Monitoring Program

- **Purpose:**
  - **Community outreach**
  - **Increase information available on air quality conditions in the Port of Long Beach area**
  - **Support technical studies and environmental documents**

POLB Air Monitoring Program

- Overview:
  - Monitoring began October 2006
  - Two stations:
    - Inner Harbor
    - Outer Harbor
  - Real-time data on the port website
  - Filter-based PM sampling
  - PM2.5 Speciation Study
  - 3-Year Program
  - $1.1 Million

POLB Air Monitoring Program

- Locations

POLB Air Monitoring Program

- Program Details:
  - Met Data: temperature, humidity, wind direction, wind speed, barometric pressure, precipitation, solar radiation
  - Air Quality Data: NO_2, O_3, CO, SO_2, PM_{10}, $PM_{2.5}$
  - PM Speciation Study: EC/OC, Metals, Ions, PAHs
  - USC research study: ultrafine particulates

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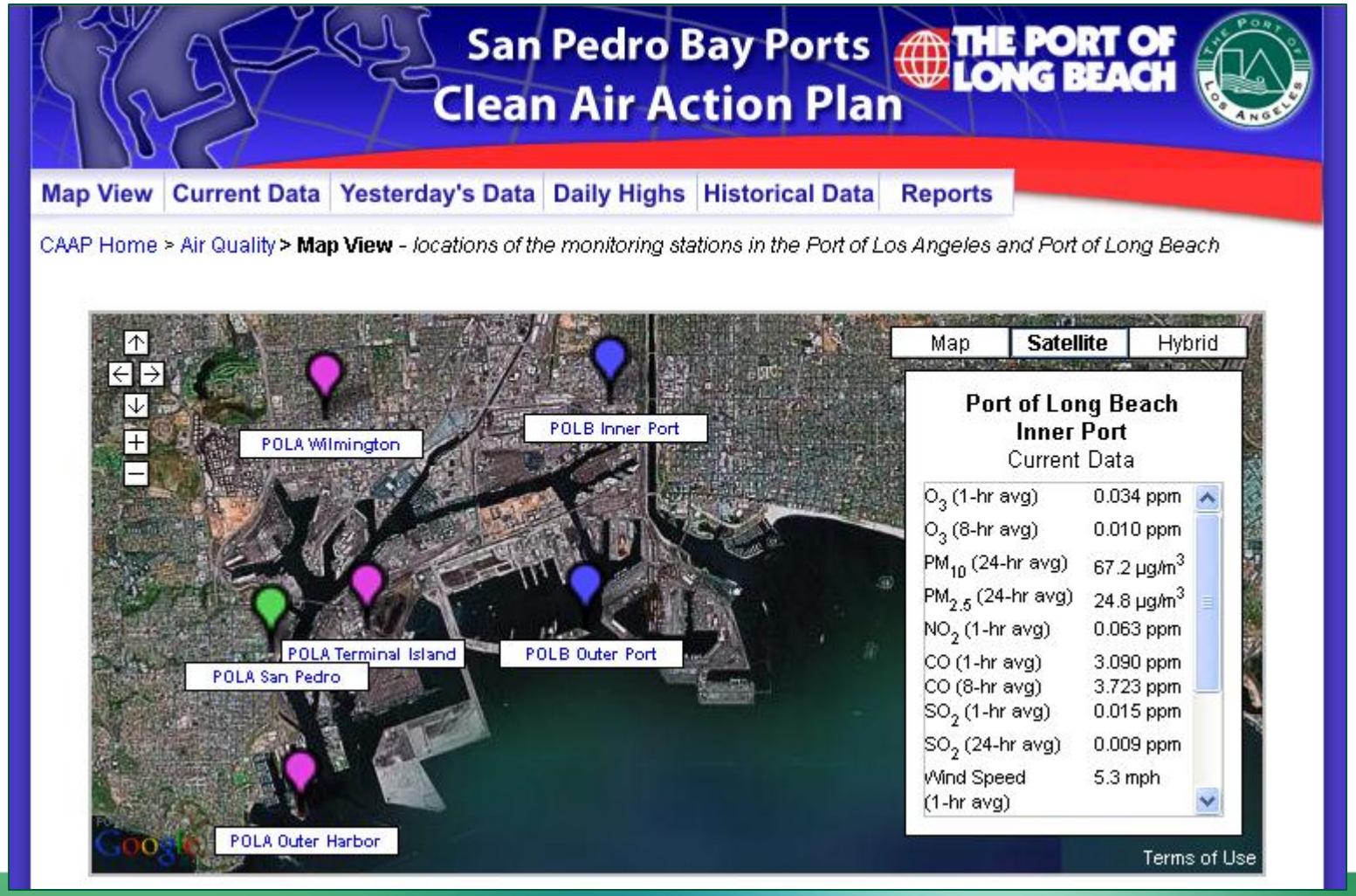
Real-Time Data Website: www.cleanairactionplan.org



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San Pedro Bay Ports Clean Air Action Plan

THE PORT OF LONG BEACH

Map View | Current Data | Yesterday's Data | Daily Highs | Historical Data | Reports

CAAP Home > Air Quality > **Current Data** - *real-time air quality information*

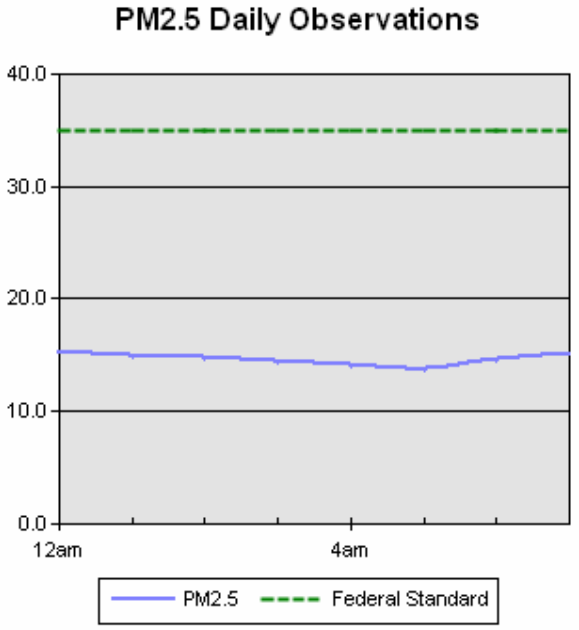
All data is preliminary

Select A Site: Port of Long Beach - Inner Port

Observation To Graph: PM2.5

** Indicates reading occurred during instrument calibration*

Monitored Parameter	Averaging Period	Current Value	Units	State Standard	Federal Standard
O_3	1-hr	0.002	ppm	0.09	-
O_3	8-hr	0.001	ppm	0.07	0.08
PM_{10}	24-hr	33.3	$\mu g/m^3$	50	150
$PM_{2.5}$	24-hr	15.1	$\mu g/m^3$	-	35
NO_2	1-hr	0.057	ppm	0.25	-
CO	1-hr	4.080	ppm	20.0	35.0
CO	8-hr	3.701	ppm	9.0	9.0
SO_2	1-hr	0.005	ppm	0.25	-
SO_2	24-hr	0.004	ppm	0.04	0.14
Wind Speed	1-hr	1.4	mph	-	-
Wind Direction	1-hr	SE	direction	-	-



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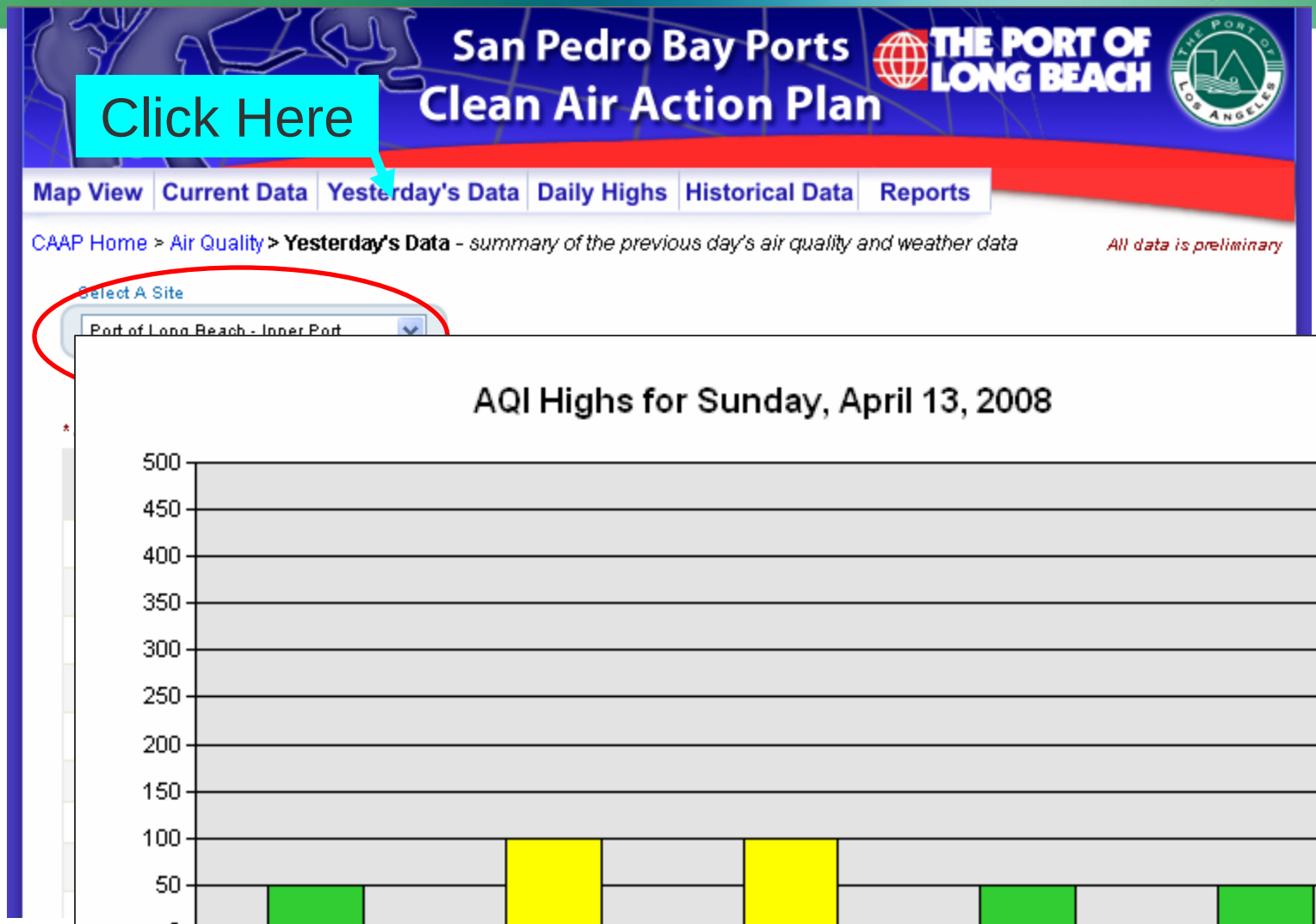

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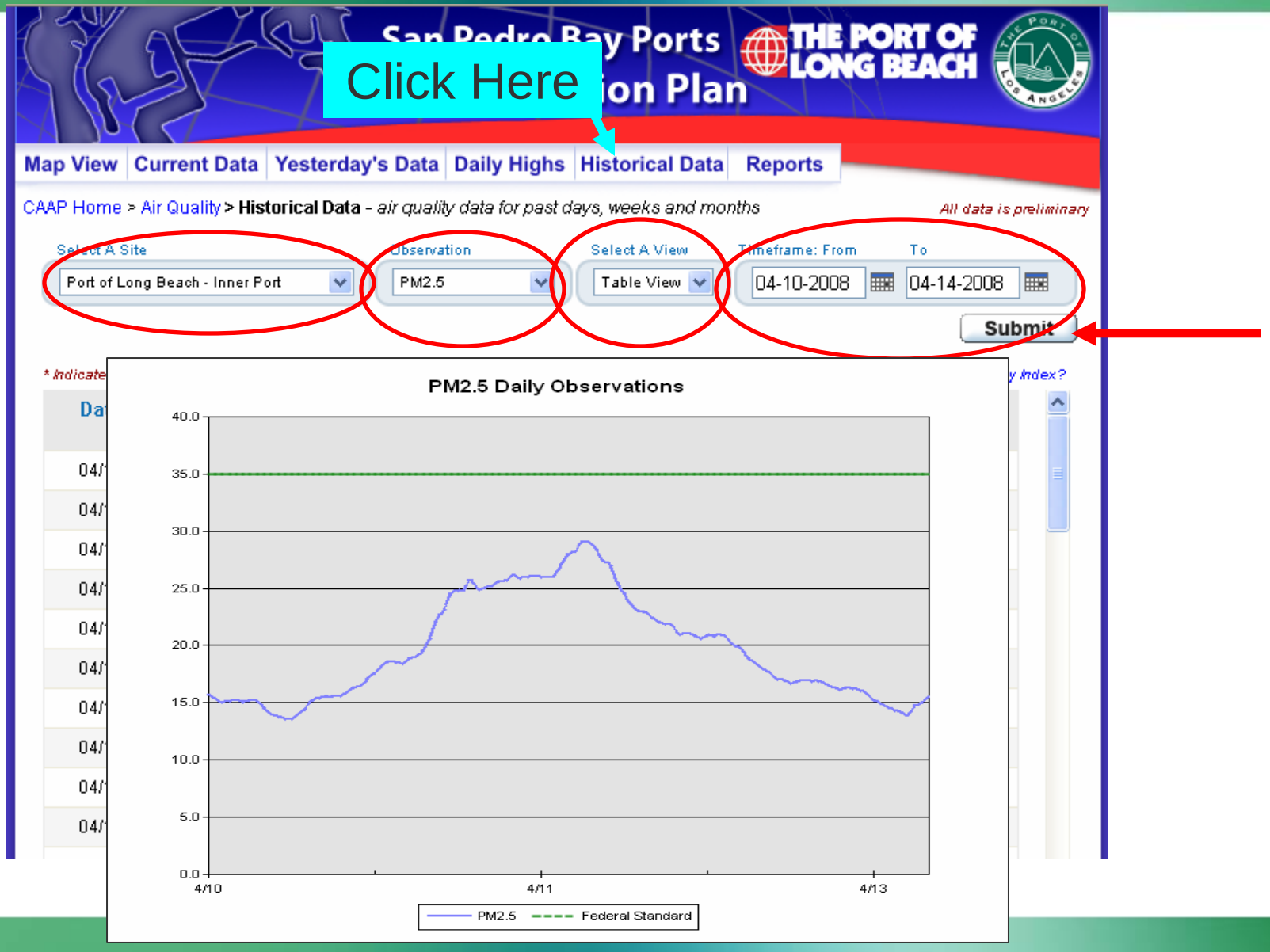

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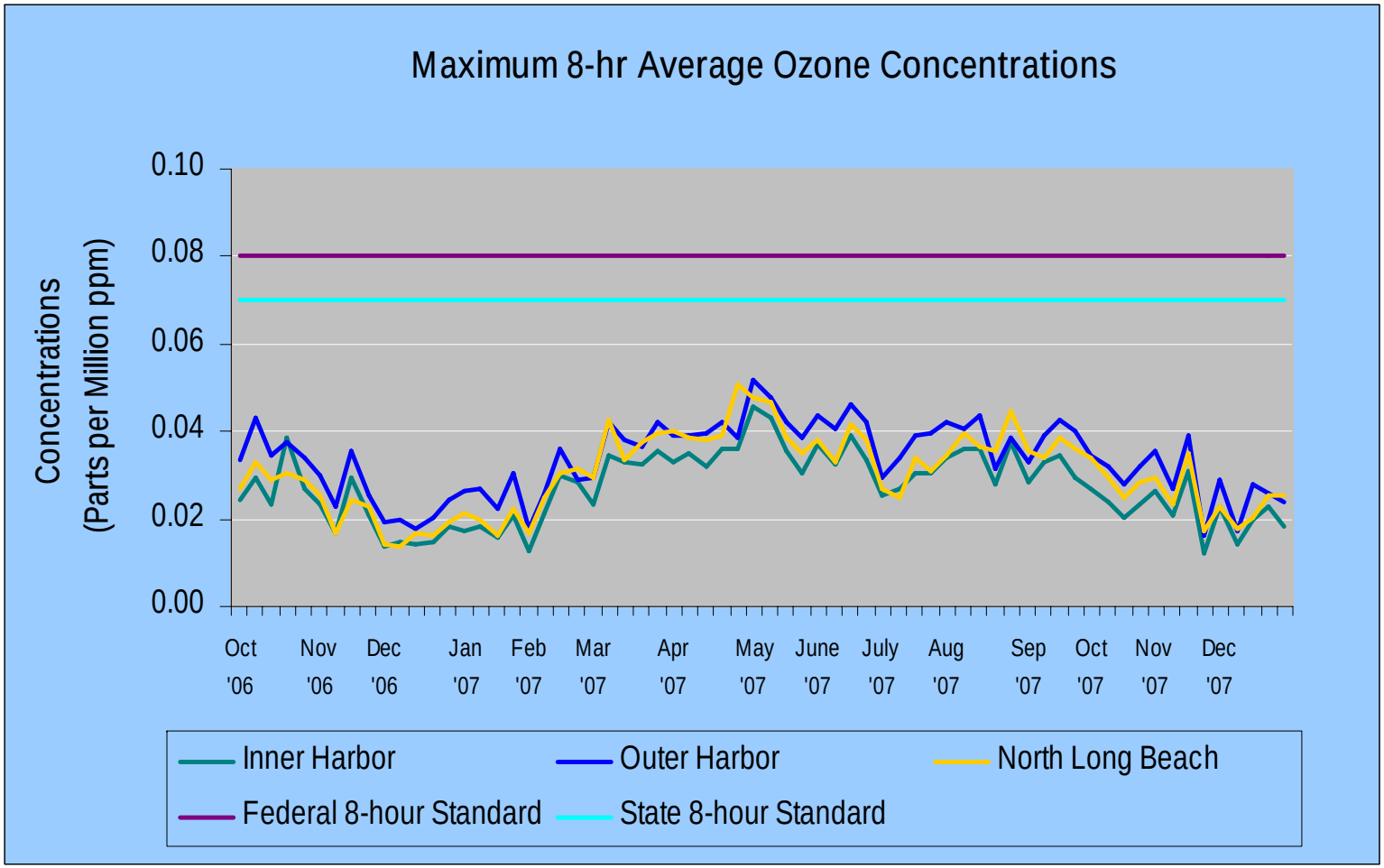

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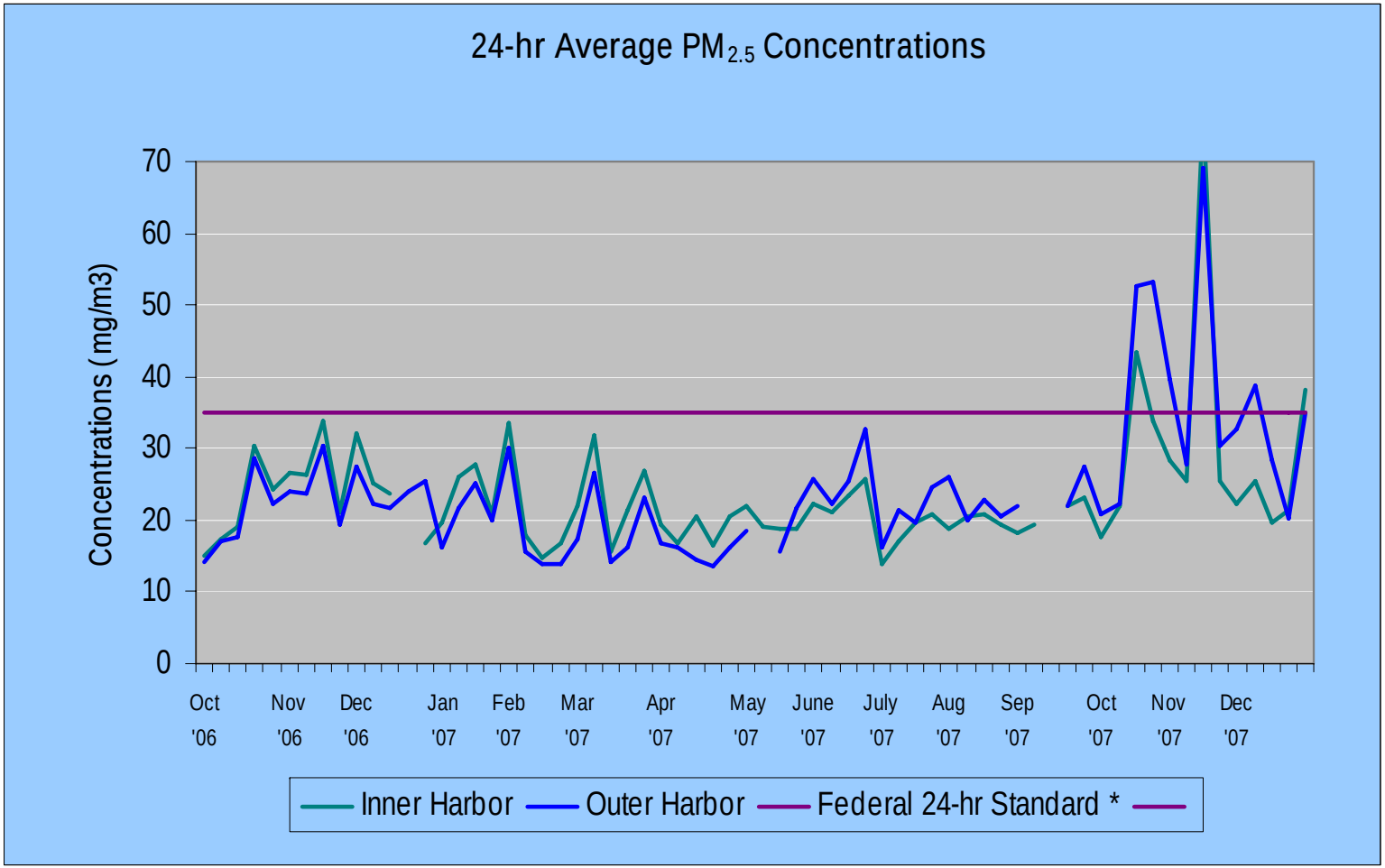

* The Federal Standard for 24-hour average PM2.5 concentrations was revised from 65 mg/m3 to 35 mg/m3 effective December 18, 2006.

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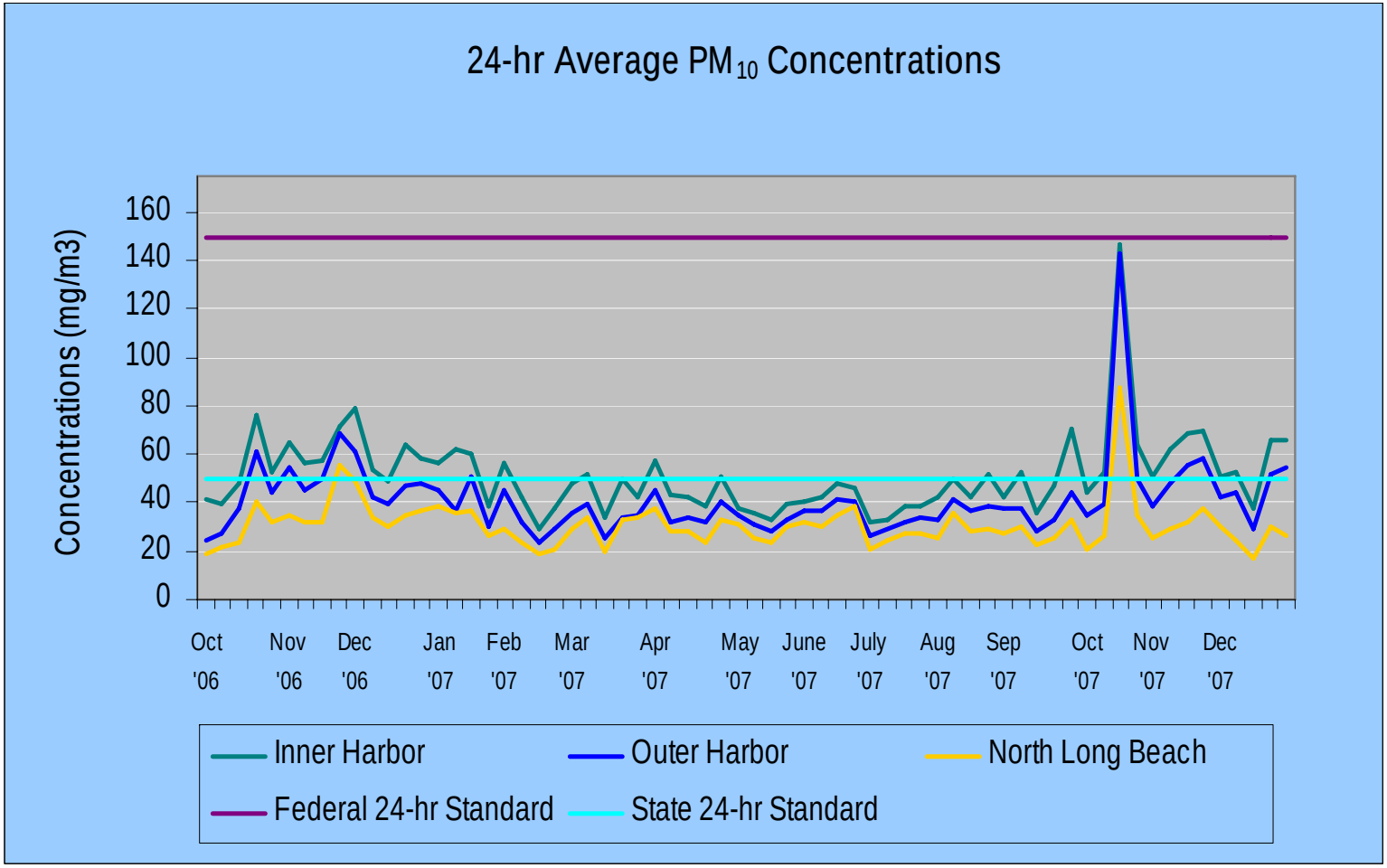

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Questions/Comments?

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