

## Richmond/San Pablo Focus Areas – July 10, 2019

This packet contains maps and air quality information to help facilitate discussion on focus areas for additional air quality monitoring efforts in Richmond/San Pablo. The map on the next page shows the entire Richmond/San Pablo initial study area and possible focus areas. Based on previous Steering Committee discussions, the focus areas were drawn to include the largest pollution sources in the Richmond/San Pablo area and neighborhoods adjacent to those sources. **Note that the focus areas shown on the map are in no way final and are meant as a starting place for further discussion.**

Air quality screening using mobile and saturation monitoring techniques adopted by the Steering Committee on June 19 will take place throughout the entire study area, including areas not shown as possible focus areas on the map. These screening and saturation monitoring efforts may help to better identify possible pollution sources in areas outside the focus areas shown, and subsequently help develop monitoring objectives and efforts.

Maps of three of the focus areas (Richmond Harbor, South Richmond, and North Richmond/Western San Pablo) are provided in this packet for discussion at this meeting.

Each focus area map shows:

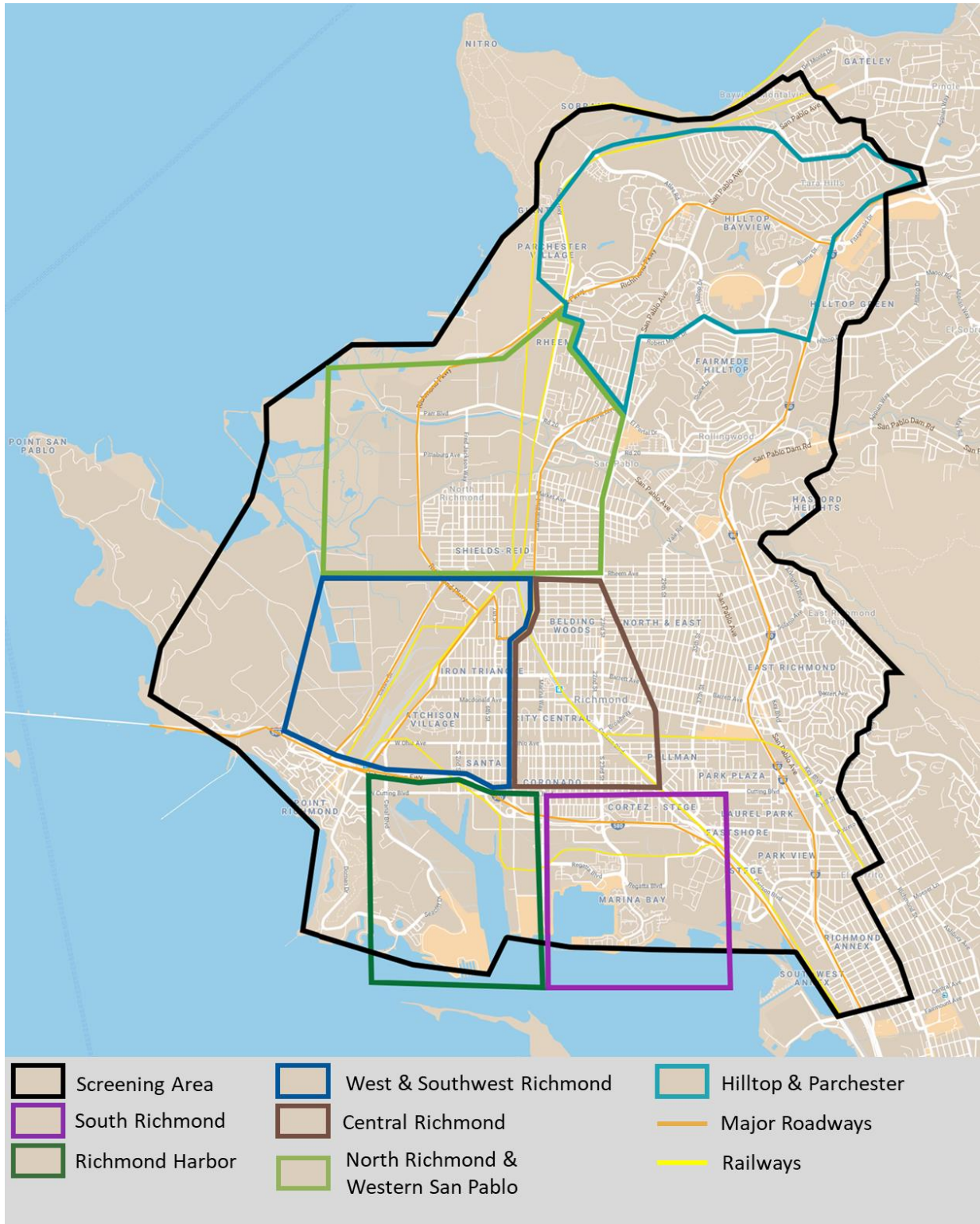
- Large pollution sources that have air quality permits with the Air District
- Pollution sources of concern identified at steering committee meetings
- Main pollutants emitted by these sources, where possible
- Locations of existing air quality monitoring (partial list)

---

### QUESTIONS TO CONSIDER AS WE DISCUSS THE FOCUS AREAS:

1. What, if any, sources of air pollution concern you that are missing from the area depicted? Do you have other recommended changes to the focus area?
2. What potential actions would you like air monitoring data (beyond the initial screening) to support in this area?
3. How should we engage the public in this area so that they can help us choose options for additional air monitoring?

# Map of Richmond/San Pablo Focus Areas



## Richmond/San Pablo Screening Area

The map on this page outlines the Richmond/San Pablo initial study area, which extends from the Richmond Harbor north through the Montalvin and Tara Hills neighborhoods. Air quality screening using saturation and mobile monitoring techniques is planned throughout this initial study area. This initial screening effort is summarized in the table below.

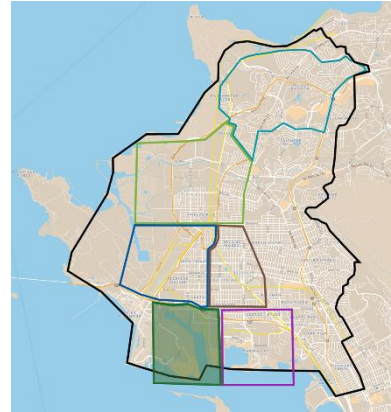
Organization	Monitoring Type	Pollutants Measured
<b>Groundwork Richmond</b>	Saturation: network of 50 Clarity sensors	PM <sub>2.5</sub> , NO <sub>2</sub>
<b>PSE/APEN</b>	Saturation: network of 50+ Aeroqual sensors	50 monitors for PM <sub>2.5</sub> , NO <sub>2</sub> , O <sub>3</sub>
		5-10 monitors for PM <sub>2.5</sub> , VOC, CO
<b>Aclima</b>	Mobile: block-by-block screening	PM <sub>2.5</sub> , NO <sub>2</sub> , O <sub>3</sub> , CO, CO <sub>2</sub>

Saturation air quality monitoring is performed using frequent measurements at many locations across the initial study area. Mobile air quality measurements are taken in motion on a vehicle, providing for screening every road over a large area. These screening methods may help better characterize air quality both inside and outside the identified focus areas.



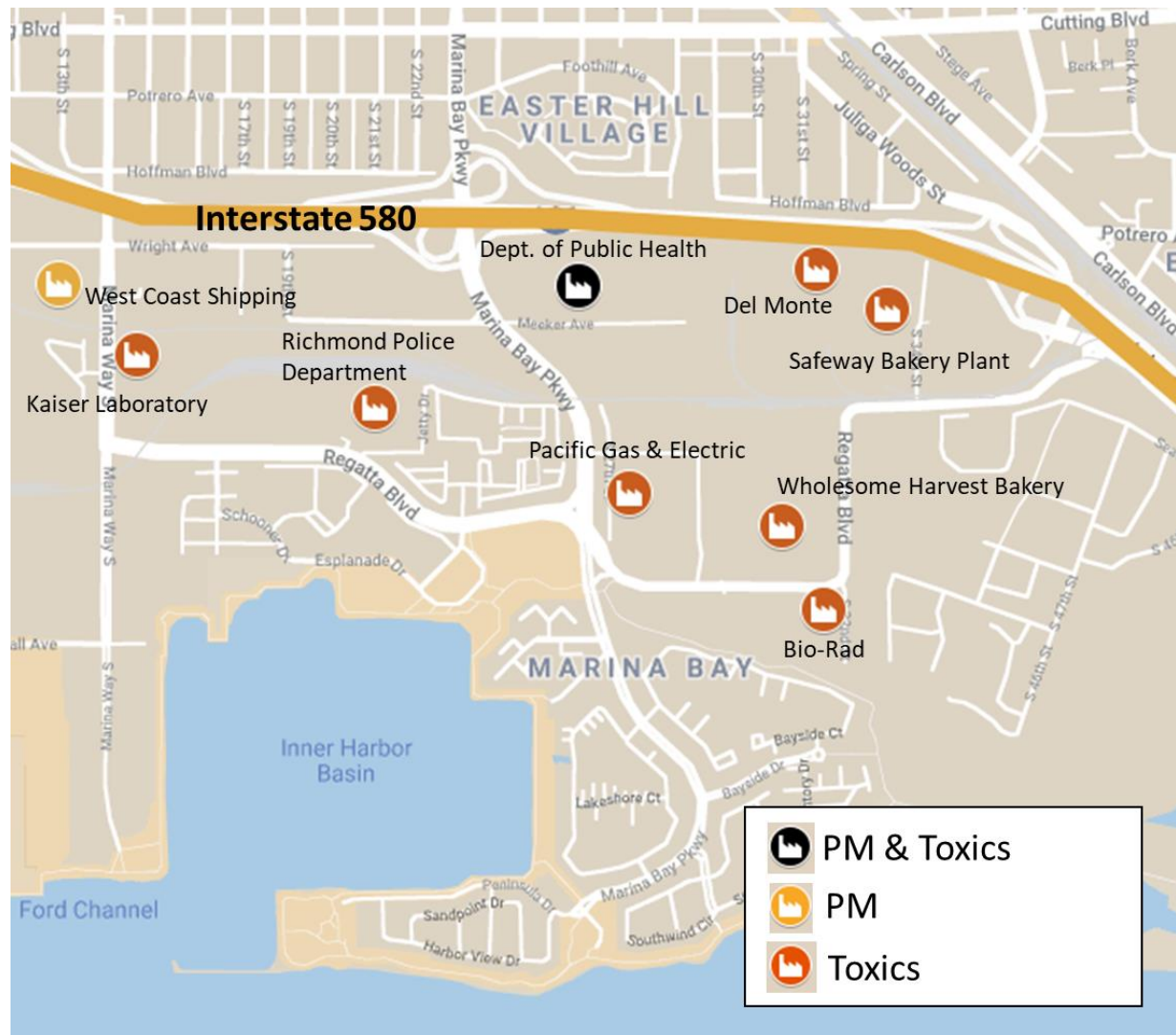
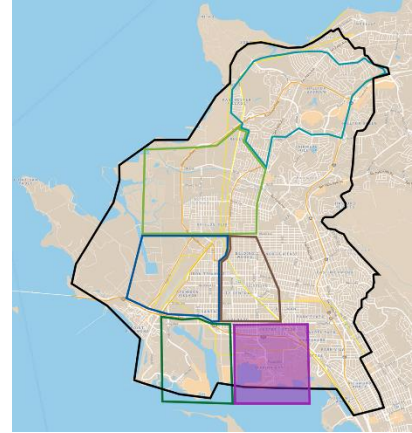
## Richmond Harbor Focus Area

The Richmond Harbor focus area extends from the south waterfront along San Francisco Bay to along the I-580 corridor. This area contains numerous pollution sources related to port and shipping activities, industrial facilities, and heavy freeway traffic associated with I-580. The map below shows some of the larger sources of pollution in the Richmond Harbor area, and whether the main pollutants of concern emitted by the sources are particulate matter (PM), air toxics, or both.



## South Richmond Focus Area

The South Richmond focus area surrounds the Inner Harbor Basin and extends north to the I-580 corridor. This area is east of the main shipping and terminal operations but contains several medical- and biological-related facilities, major food distributors, and freeway traffic associated with I-580. The map below shows some of the larger sources of pollution in the South Richmond area, and whether the main pollutants of concern emitted by the sources are particulate matter (PM), air toxics, or both.



# North Richmond/Western San Pablo Focus Area

The North Richmond/western San Pablo focus area is roughly bounded by Richmond Parkway on the north, 23<sup>rd</sup> Avenue on the east, and Rheem Avenue on the south. This area contains several pollution sources including wastewater plants, landfills, metal recyclers and metal works facilities, traffic along busy surface streets like Richmond Parkway, and rail lines. The northern part of the Chevron refinery campus also extends into this area.

