

# Expanded Area Update

## May 6, 2015



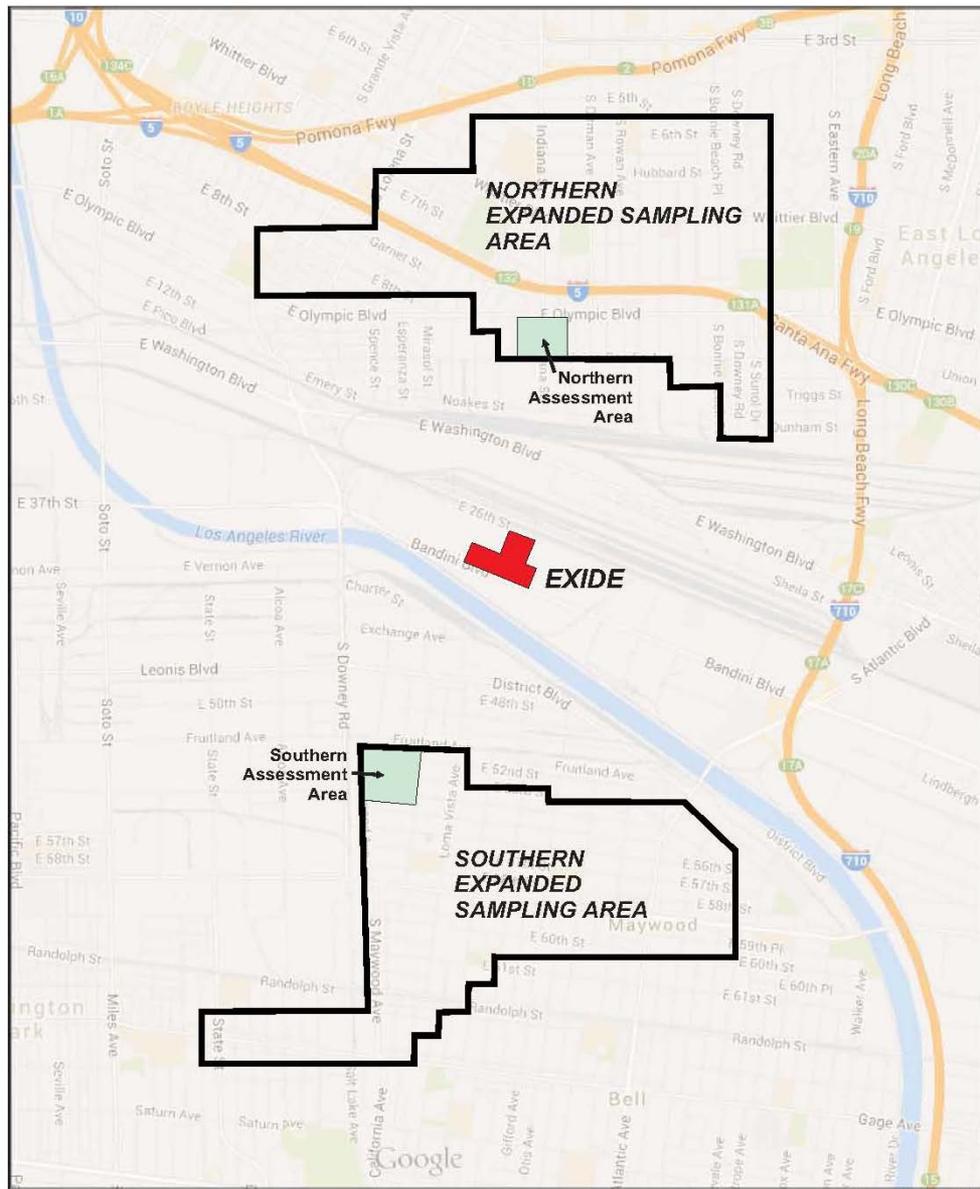
# Welcome Remarks

**Elise Rothschild**

Deputy Director, Hazardous  
Waste Management Program

# Agenda

- Sampling Program Overview
- How to Interpret Your Results
- Results of Expanded Area Sampling
- Next Steps
- Community Questions and Answers



Base Map: Google Maps 2015



DEPARTMENT OF TOXIC SUBSTANCES CONTROL

## RESIDENTIAL SOIL INVESTIGATION AREAS



5/6/2015

# Residential Cleanup *Ongoing...*

## **Initial Assessment Areas :**

- Northern Assessment Area
- Southern Assessment Area
- 217 Properties
- 166 Properties sampled
- 51 to be sampled
- 74 Properties Cleaned up
- Clean Up of Properties Continues

# Update

- **May 15, 2015:** DTSC to receive Draft Closure Plan
- **May – June 2015:** Saturday Workshops for Expanded Areas

## Community Advisory Group

- **May 28, 2015:** Initial Organizational Meeting
- **June 2015:** First Meeting to present -
  1. Cleanup Plan for Expanded Areas
  2. Draft Closure Plan
- **July through December 2015:** Monthly Meeting
- **January 2016 onwards:** Once every other month

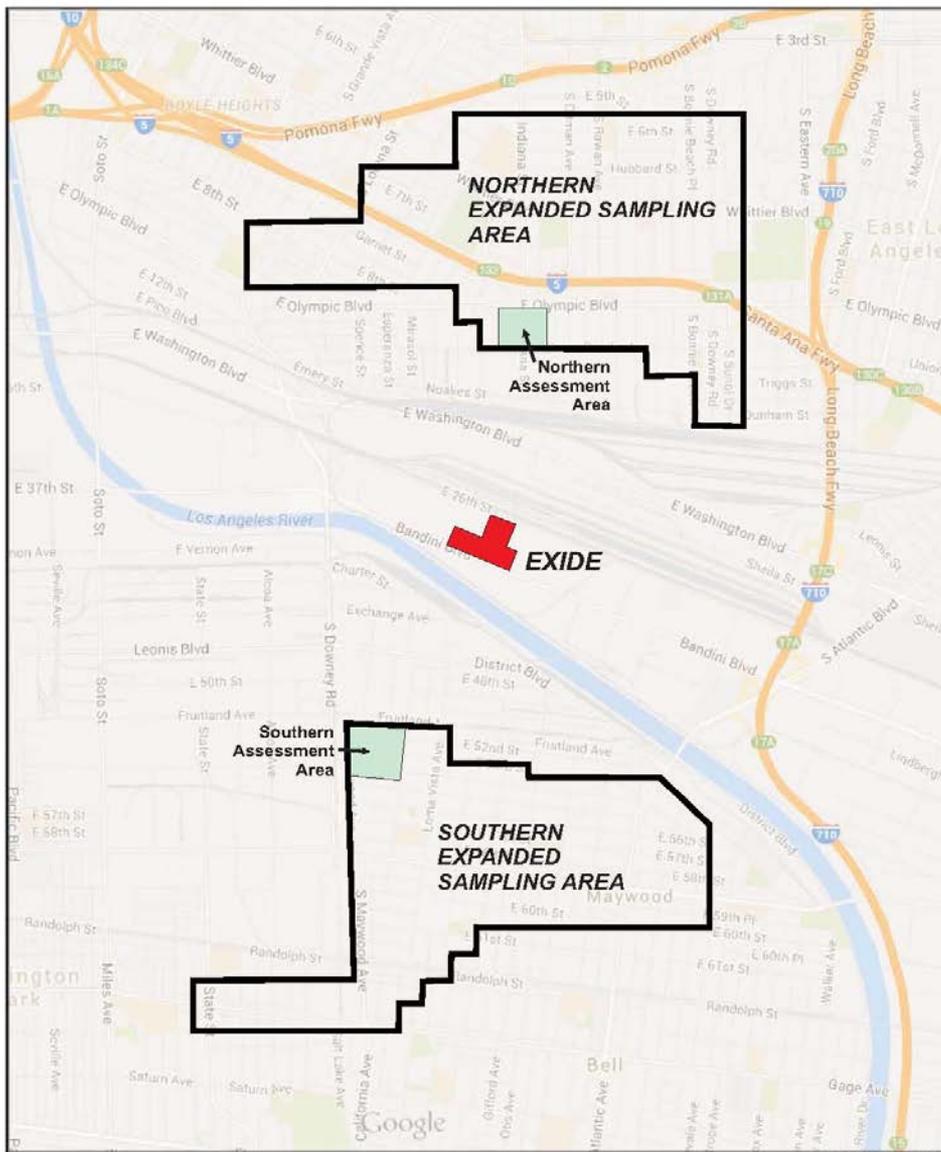
## Technical Advisor

- **July 2015:** Technical Advisor for the Community

# Overview of Expanded Area Sampling

**Peter Ruttan, P.G.**

Lead Project Manager,  
Clean-up



**RESIDENTIAL SOIL INVESTIGATION AREAS**



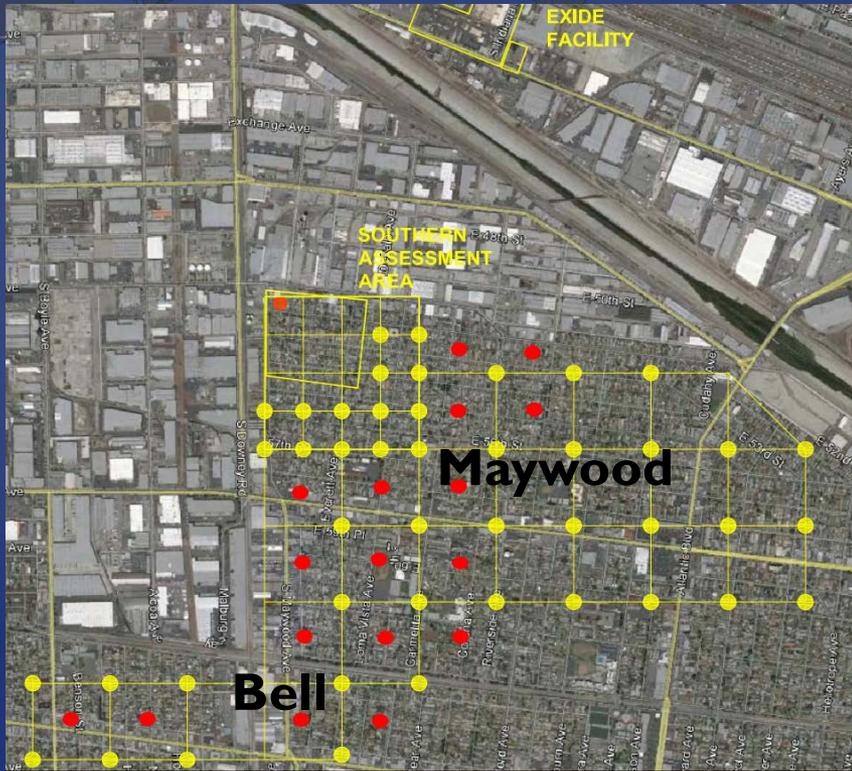
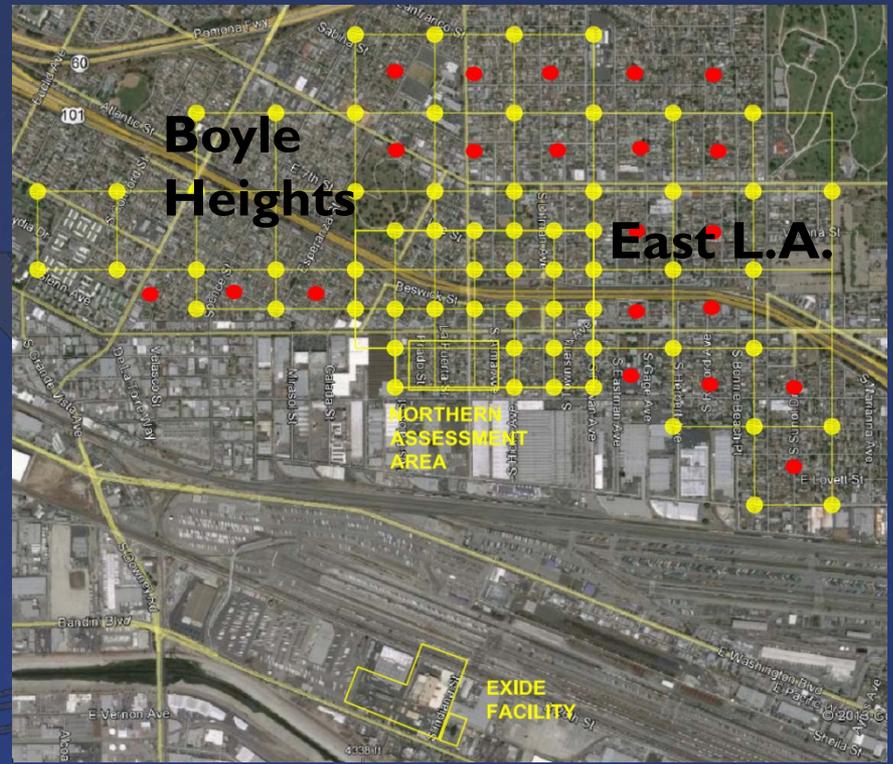
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

5/6/2015

- 2013 Stipulation and Order – Exide ordered to sample residential soil
- Lead Found above screening levels - DTSC directed Exide to re-sample properties in assessment areas and develop work plan for clean-up
- DTSC directs Exide to sample properties outward (Expanded Area) – Work Plan approved July 2014
- Sampling began in September 2014; Data report received April 20, 2015.

# Expanded Area Sampling

- Work Plan approved July 2014
- Sample outside Initial Assessment Areas

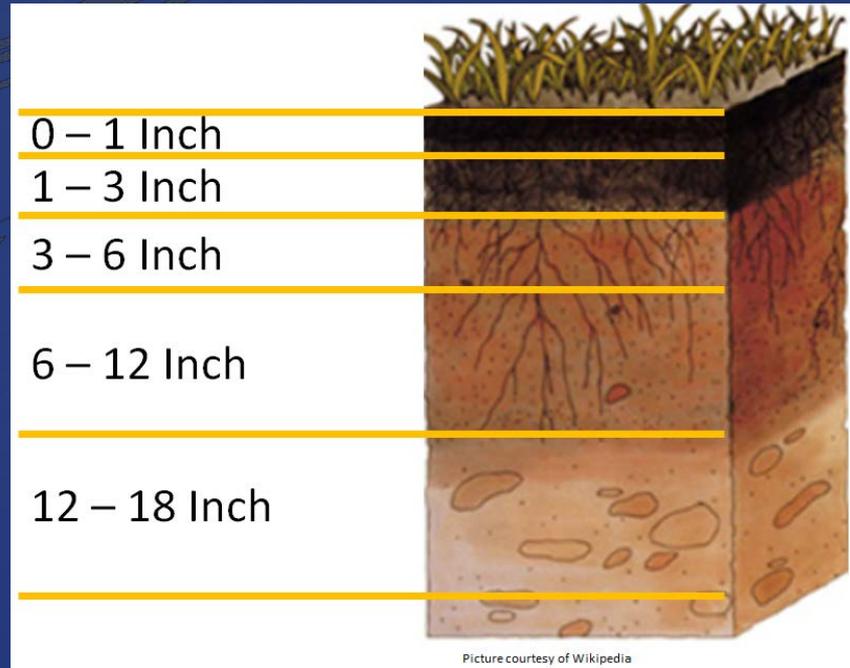
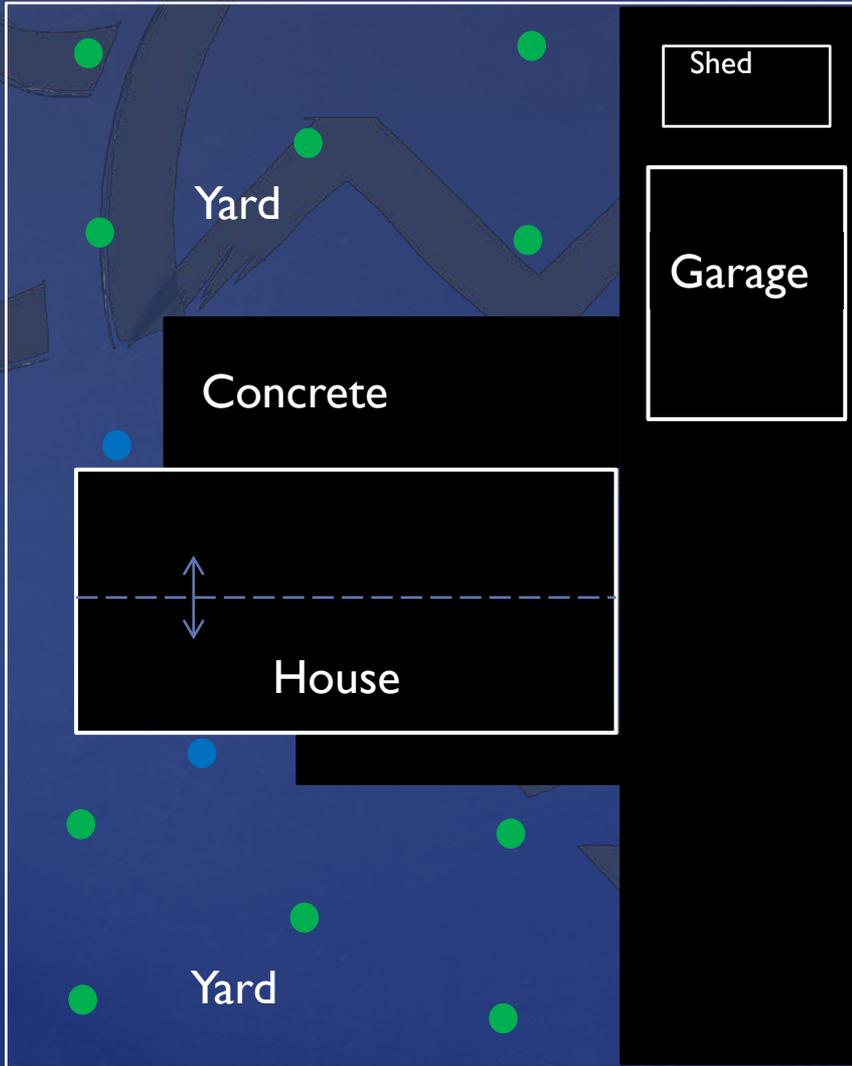


5/6/2015

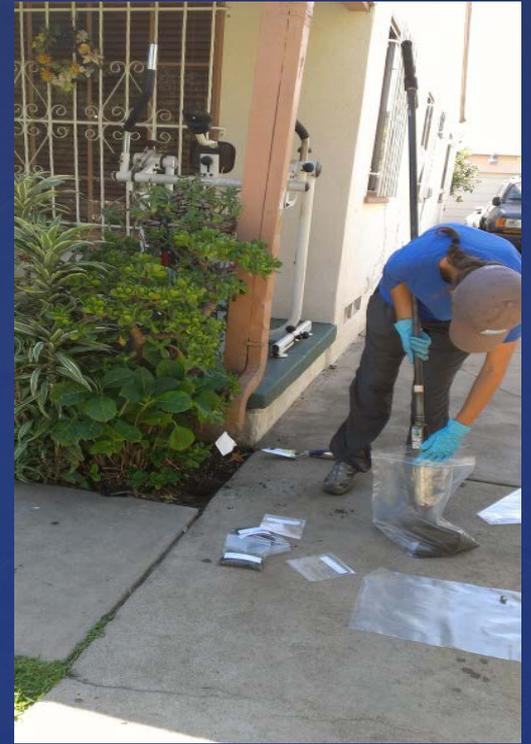
# Sampling Design

## Sampling Locations

- Yard Area
- Drip Zone or Downspout



# Sampling



5/6/2015

# How to Interpret Your Results

Peter Ruttan, P.G.

Lead Project Manager, Clean up

Sarah Cromie

Co-Lead Project Manager, Closure

# Scientific Questions

- Are the Results Accurate?
- Are the Results Meaningful?
- Is the Level of Concern?

# Are the Results Accurate?

- How are the samples handled?
- Who did the analysis?
- How are the tests run?
- What other QA / QC steps are taken?

# Are the Results Meaningful?

- Scientists analyze the raw data from the lab analyses to determine which results are real and which raise questions and need more work
  - Statistical tests
  - Analysis of patterns and ranges
    - Identifying confidence in the data

# Action Levels in the Northern & Southern Assessment Areas

- In the Northern and Southern Assessment Areas, DTSC identified exposure scenarios of concern:
  - Contamination was in an area where children or pregnant women could be exposed
- Where there were exposure scenarios of concern in the Northern and Southern Assessment Areas:
  - DTSC used 1,000 ppm as a protective threshold for the first priority for the cleanup of yards
  - DTSC used 400 ppm (EPA's action threshold) to 1,000 ppm for the second priority for the cleanup of yards
  - DTSC used 80 ppm to 400 ppm for the third priority for the cleanup of yards

# Results of Expanded Area Sampling

**Sarah Cromie**

Co-Lead Project Manager,  
Closure



Matthew Rodriguez  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Barbara A. Lee, Director  
8800 Cal Center Drive  
Sacramento, California 95826-3200



Edmund G. Brown Jr.  
Governor

April 30, 2015

### RESIDENTIAL YARD SOIL TEST RESULTS: PROPERTY

The Department of Toxic Substances Control (DTSC) would like to share with you the soil test results from the soil samples taken from your yard. In 2014, DTSC ordered Exide Technologies to test for lead in the residential yards in areas possibly affected by Exide's air emissions. DTSC ordered the sampling to better understand the amount of contamination from the Exide facility.

#### How Can You Obtain Your Soil Test Results?

DTSC is providing a number of different ways for you to obtain your test results and answer questions you may have concerning the soil test results from your yard:

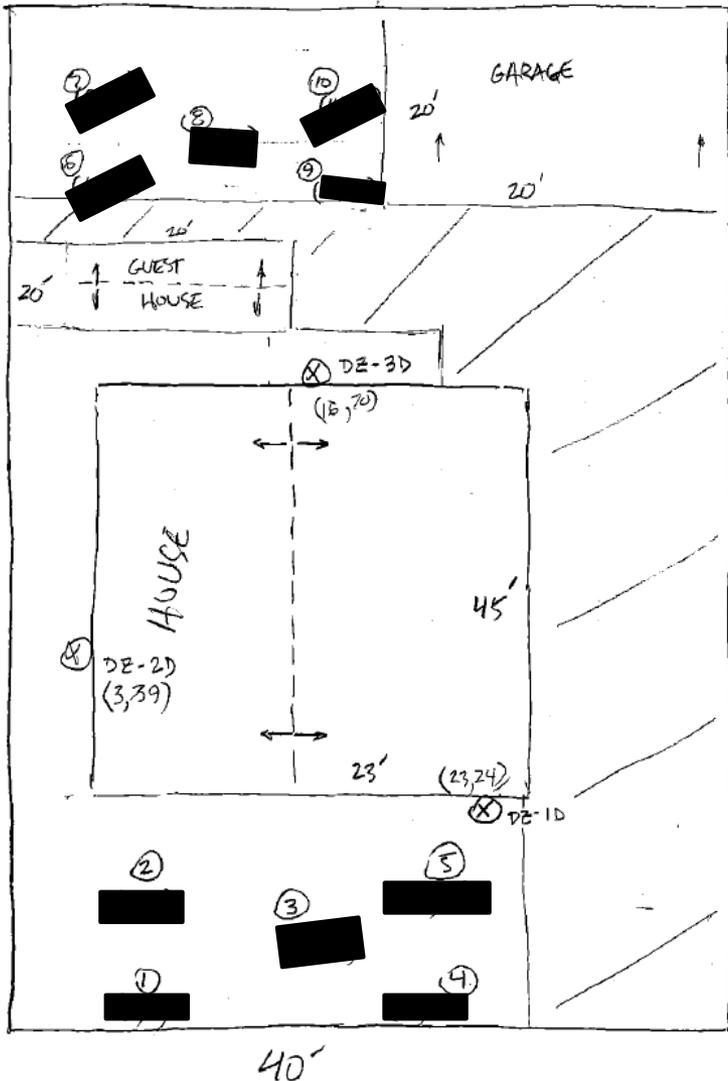
1. **Drop-In Session** – On May 6<sup>th</sup>, 2015, DTSC staff will be available from 3:30 pm - 5:30 pm at Resurrection Catholic Church, 3324 E. Opal Street, Los Angeles, to speak with you regarding your soil test results. On the same day and location, a Community Workshop presentation focused on the soil sampling results for the expanded assessment area is scheduled from 6:00 pm– 8:00 pm.
2. **Public Workshops** - Additional public workshops will be scheduled by DTSC on two separate Saturdays following the scheduled May 6<sup>th</sup> community workshop. Information regarding these subsequent workshops will be available in the near future.
3. **By Phone** - You can call Marina Pérez, DTSC Public Participation Specialist (Bilingual) at 1-844-225-3887 or via email at [Marina.Perez@dtsc.ca.gov](mailto:Marina.Perez@dtsc.ca.gov).

If you are unable to attend the drop in session or the public workshops, please contact Marina Pérez, DTSC Public Participation Specialist (bilingual) at 1-844-225-3887, or via email at [marina.perez@dtsc.ca.gov](mailto:marina.perez@dtsc.ca.gov), to arrange receiving your soil test results.

Sincerely,

Marina Pérez,  
DTSC Public Participation Specialist

# Example Property



Sample Depth	ID	2D	3D	4D	DZ-ID	DZ-2D
0-1"	190	417	108	21	372	546
1-3"	193	261	104	51	325	684
3-6"	110	154	116	64	448	836
6-12"	137	22	86	121	51.4	101
12-18"	26	10	21	32	15.4	193

# Sampling Summary

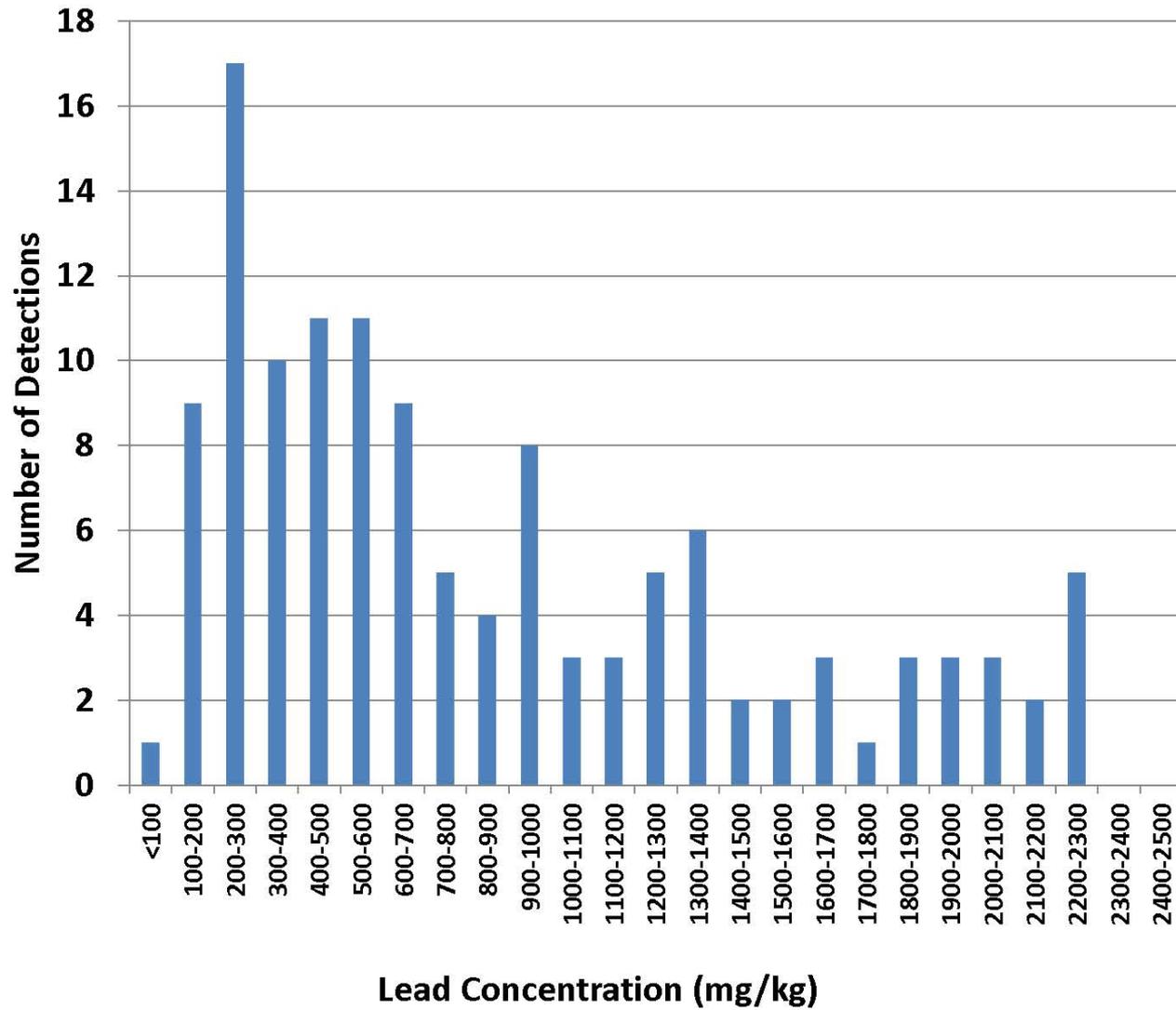
**Properties Sampled = 146**

- North = 84
- South = 62

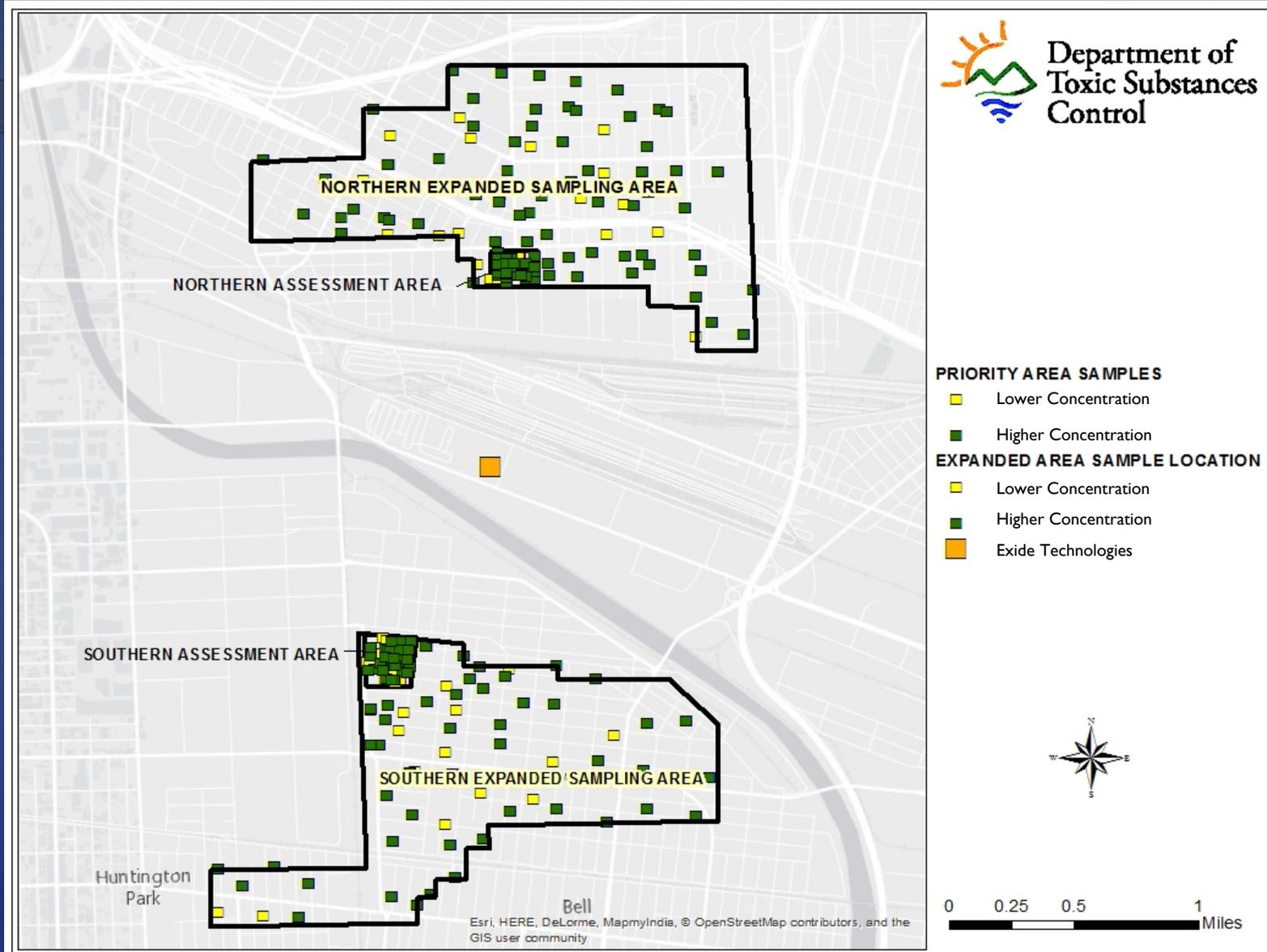
**Samples Collected = 8,695**

- North = 4,920
- South = 3,775

## EXPANDED AREA LEAD CONCENTRATIONS IN SOIL



# Spatial Distribution of Results



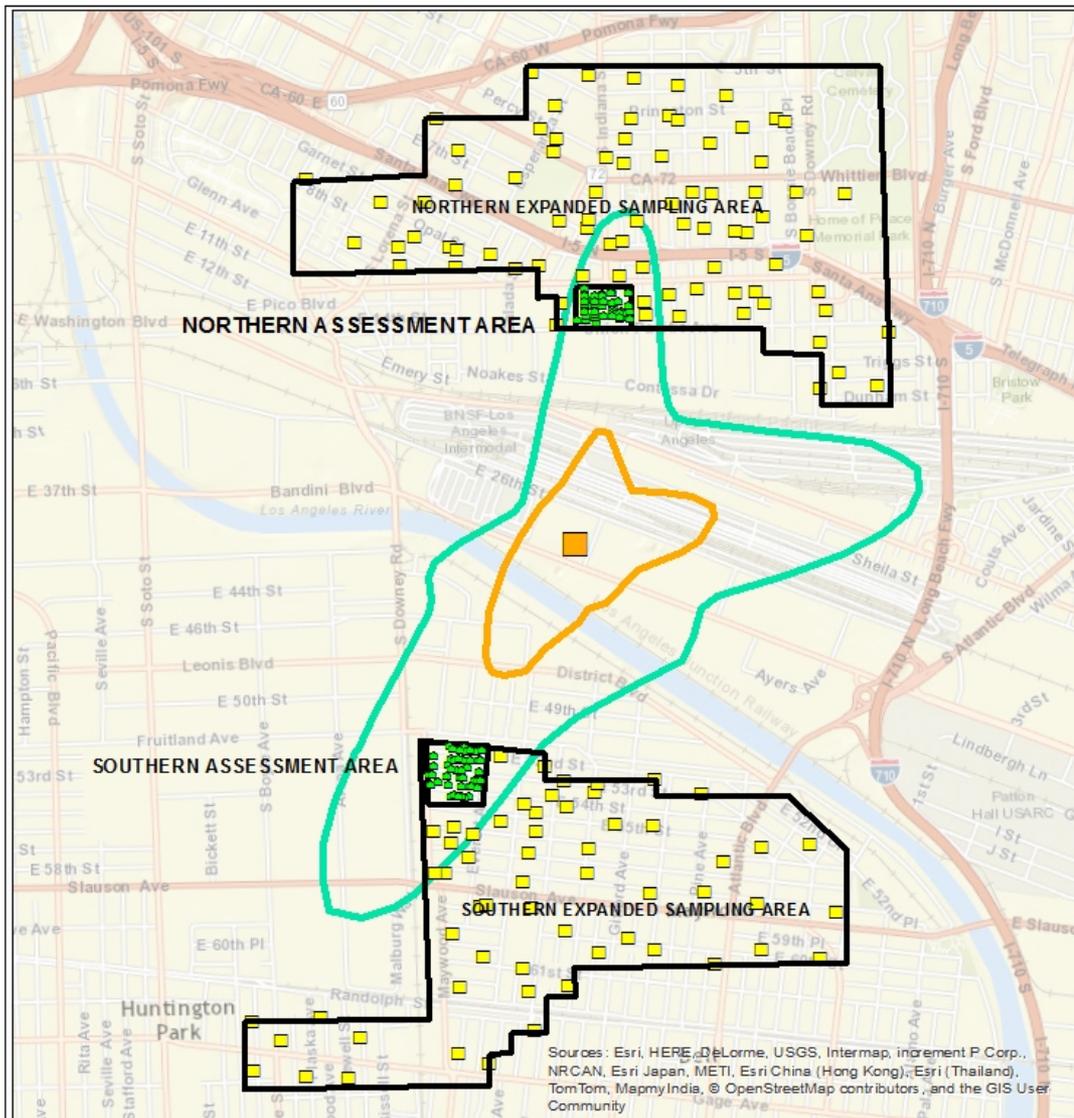
# Next Steps for Investigation

**Rizgar Ghazi, P.E.**

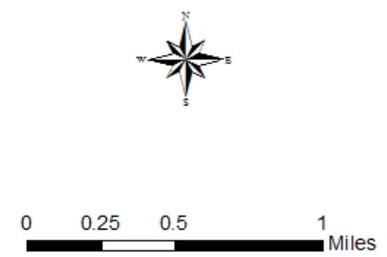
Chief, Permitting Division

Department of Toxic Substances  
Control

# Next Steps in Investigation



- ASSESSMENT AREA SAMPLES
- EXPANDED AREA SAMPLE LOCATION
- EXIDE TECHNOLOGIES
- AIR MODEL LEAD HIGHER RISK
- AIR MODEL LEAD



# Next Steps

- **Additional Analysis:**
  - Other metals
  - Values that are potentially anomalous
- **Involving the Community Advisory Group on Path Forward**

# Blood Lead Testing and Results

**Dr. Cyrus Rangan**

Los Angeles County

Department of Public Health

The background features a large, abstract graphic composed of several thick, dark blue brushstrokes. These strokes are layered and curved, creating a sense of movement and depth. The central text is overlaid on these strokes.

# Elected Officials

# Closing Remarks