

# Tacoma Smelter Plume 2018 Yard Program

June 6<sup>th</sup>, 2018

Point Defiance Elementary School



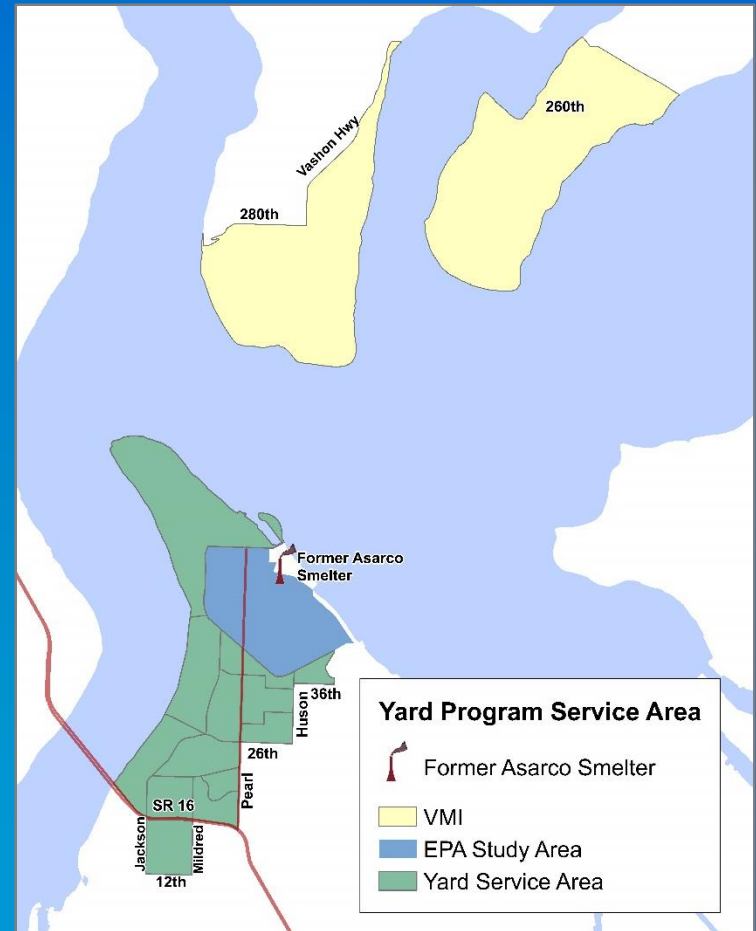
# Topics

- Timeline
- Prepare yard area
- Maintain access
- Safety
- Homeowner Responsibilities
- Project Line



# Yard Program

- Existing residential
- State-led
- Voluntary
  
- Arsenic action level  
= 100 ppm
- Lead action level  
= 500 ppm

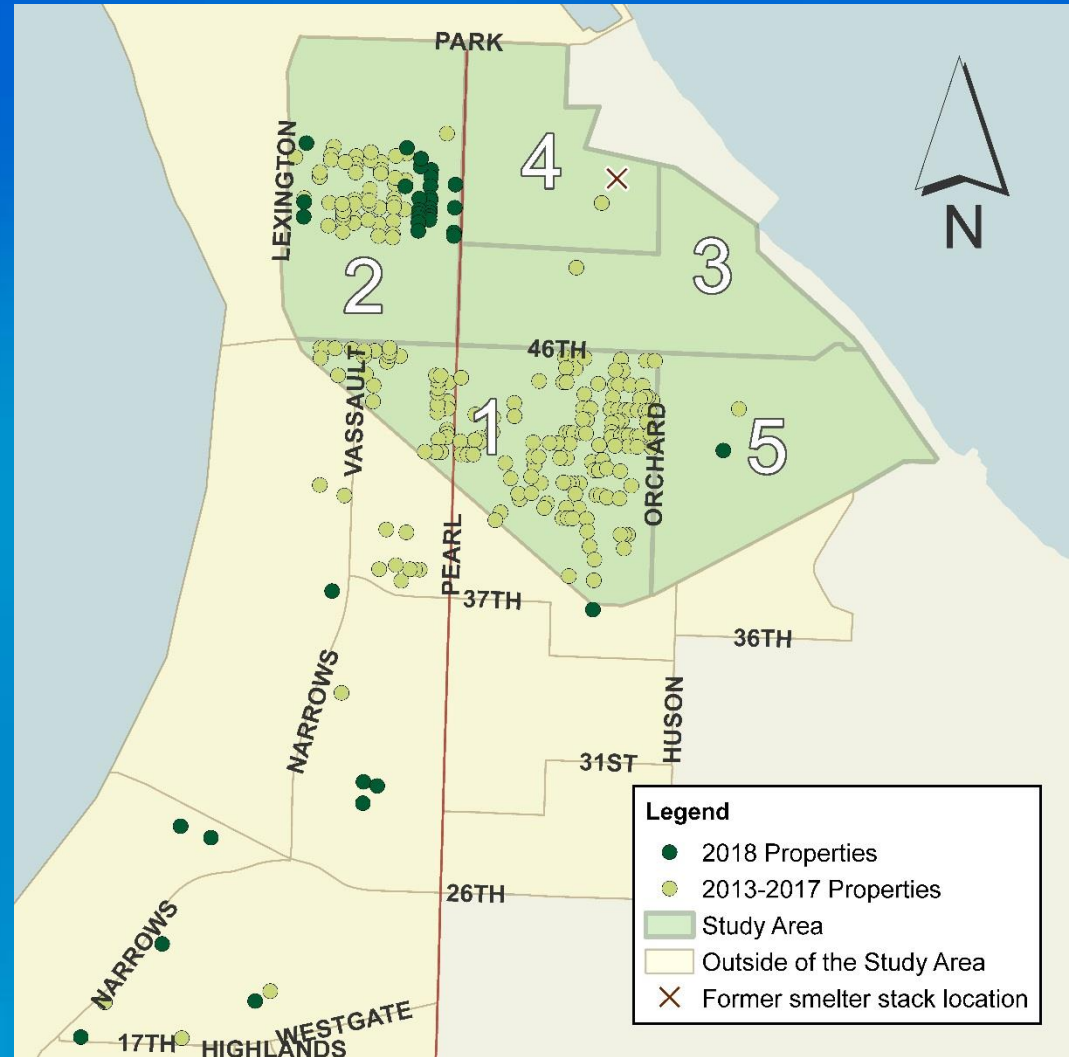


# Soil Replacement– Tacoma

Completed:  
2013-2017

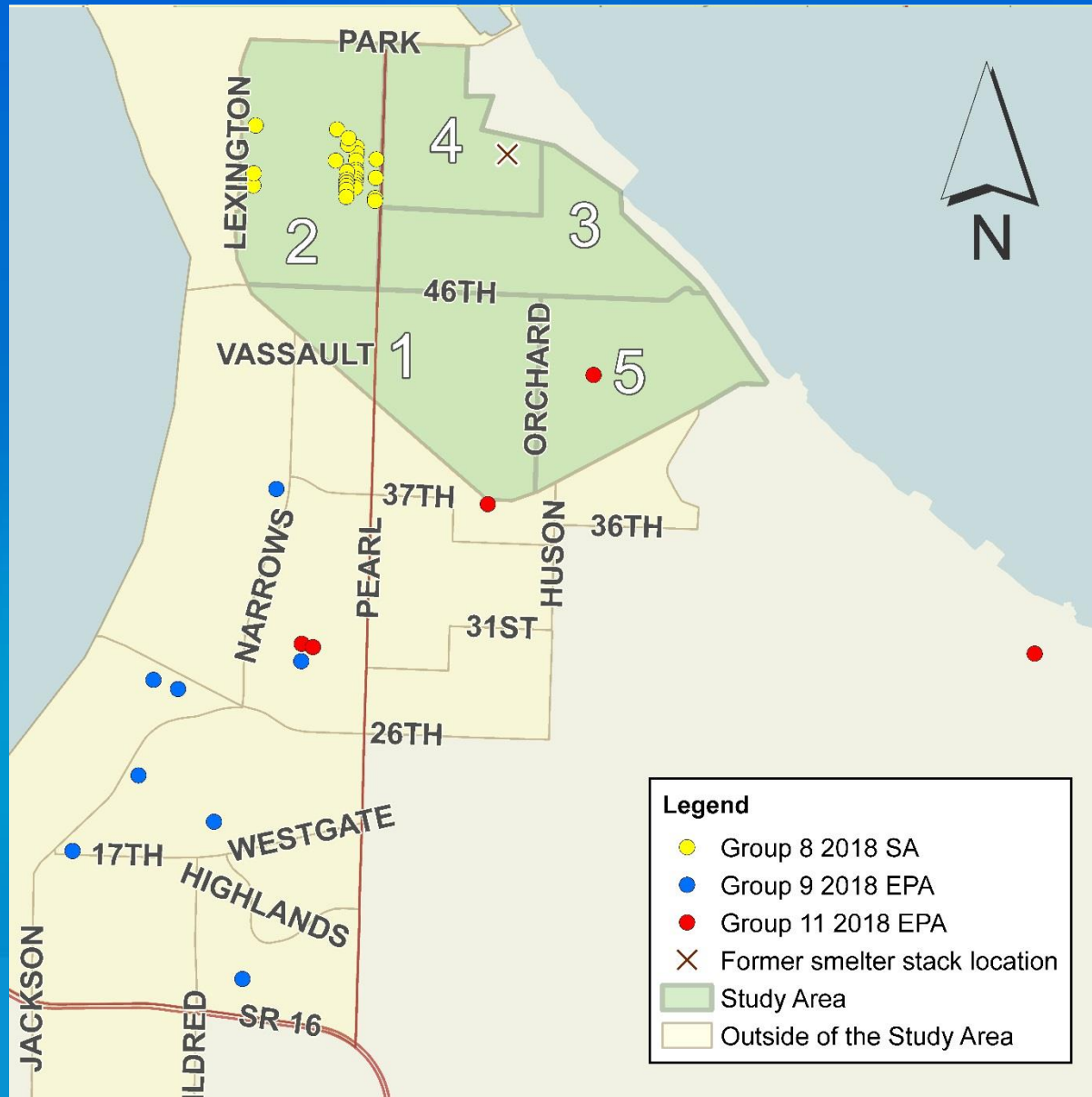
Total-245 yards

Upcoming:  
2018 - ~45 yards



Map as of 5/24/2018

# 2018



# Contractor Timeline



## CONTRACTOR PREP

- Start utility locates & surveys

CONTRACTOR FREQUENCY:



## CONSTRUCTION DIGGING

- Contractors begin construction on the first yards.
- Contractors work on several properties at a time.
- Expect construction equipment, orange fencing and an "open yard."

## LANDSCAPING

- Yards are back-filled with clean soil.
- Lawn and landscaping can be installed several weeks after back-fill.

## MAINTENANCE & REPAIRS

- Contractors start follow-up on repairs, and maintain landscaping during active construction.

CONTRACTOR FREQUENCY:



## PUNCHLIST ITEMS & MAINTENANCE & REPAIRS

- Contractors continue follow-up on incomplete or unfinished items and continue repairs.

CONTRACTOR FREQUENCY:



<http://ecology.wa.gov/Tacoma-smelter>

*\*This is a general contractor timeline and outline of activities for the group. Activities and timeline for construction subject to change.*



# Prepare Yard

Clear personal items:

- Children's play equipment
- Lawn furniture
- Potted plants
- Gardening tools
- Other misc. items



# Maintain Access

- Driveways
- Side yards
- Gates
- Alley





# Safety

- Make accommodations for pets.
- Stay out of fenced area and off equipment.
- Call us immediately if you have any safety concerns.



# What to expect during construction

## Work Hours:

- 8:00 am-5:00 pm
- Monday through Friday
- \*Saturdays with permission from Ecology



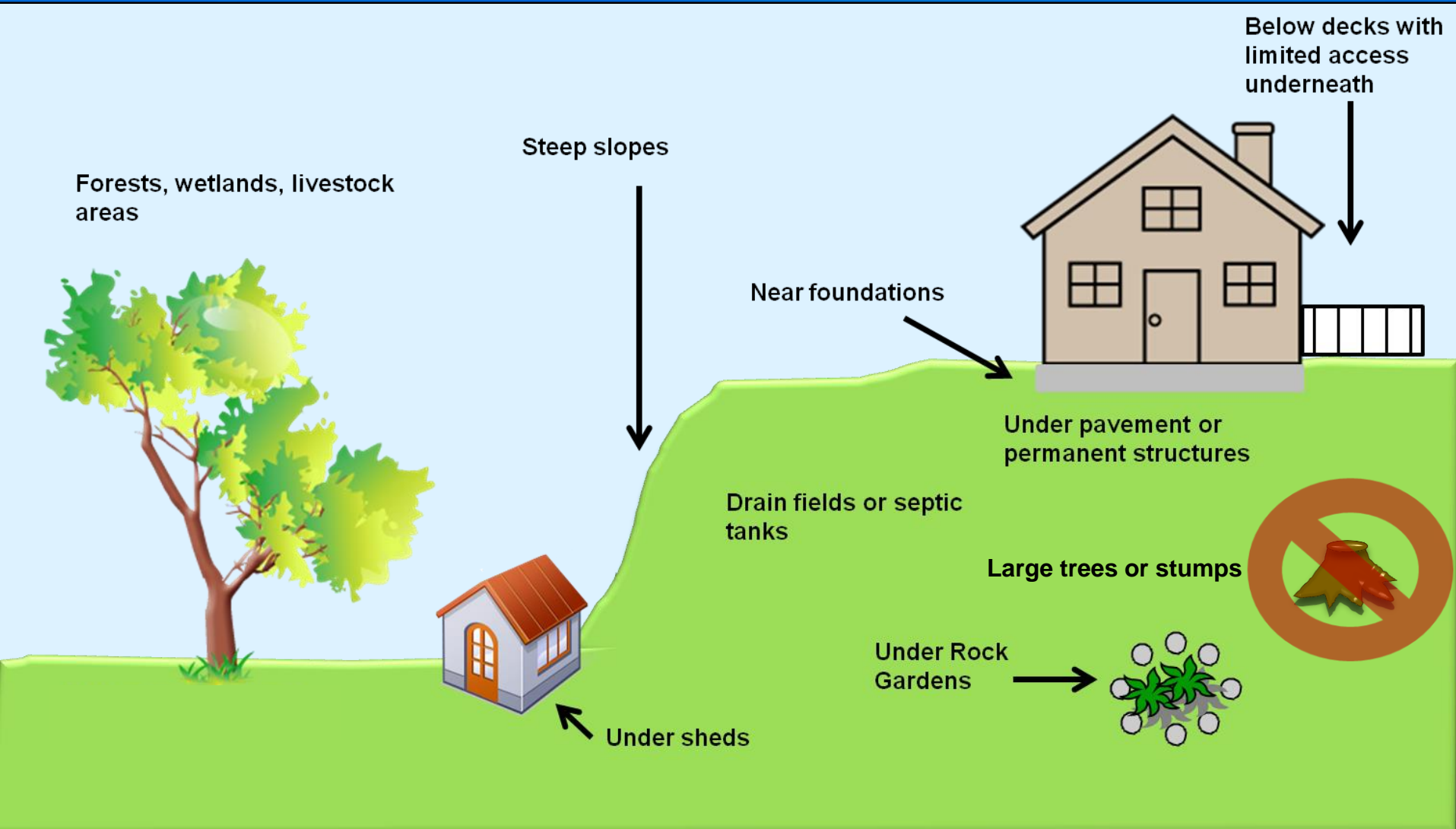
# Traffic and Noise

- Trucks & equipment
- Construction noise
- Cars parked on street
- Restricted sidewalk access





# Areas that are Excluded





# Setbacks

We set-back from:

- Underground storage tanks
- Retaining walls
- Driveways & pathways
- Fences
- Utilities
- Shrubs & plants



# Sprinkler Systems

- The contractor is required to protect or restore your sprinkler to pre-construction, working order.





# Construction





# Soil Replacement Process





# Ecology Field Staff

**Charissa Young**  
Construction  
Manager



**Chris Huff**  
Construction  
Manager



**Mathew Kogle**  
Field Oversight  
Coordinator



**Jackson Barnes**  
Field Oversight  
Coordinator



# Landscape Restoration





# Landscape Restoration





# Lawn Care





# Landscape Care

Call Ecology immediately if you notice settling or water pooling for more than 48 hours.



New lawn is planted

- 1-2" of water per week
- Pick up pet waste
- Compost and fertilize

Ecology takes quarterly photos

Ecology completes a final inspection

1 year

# Please call us ...

- Dust in the air
- Trash pick-up blocked
- Schedule
- Contractor's actions



# Project Line:

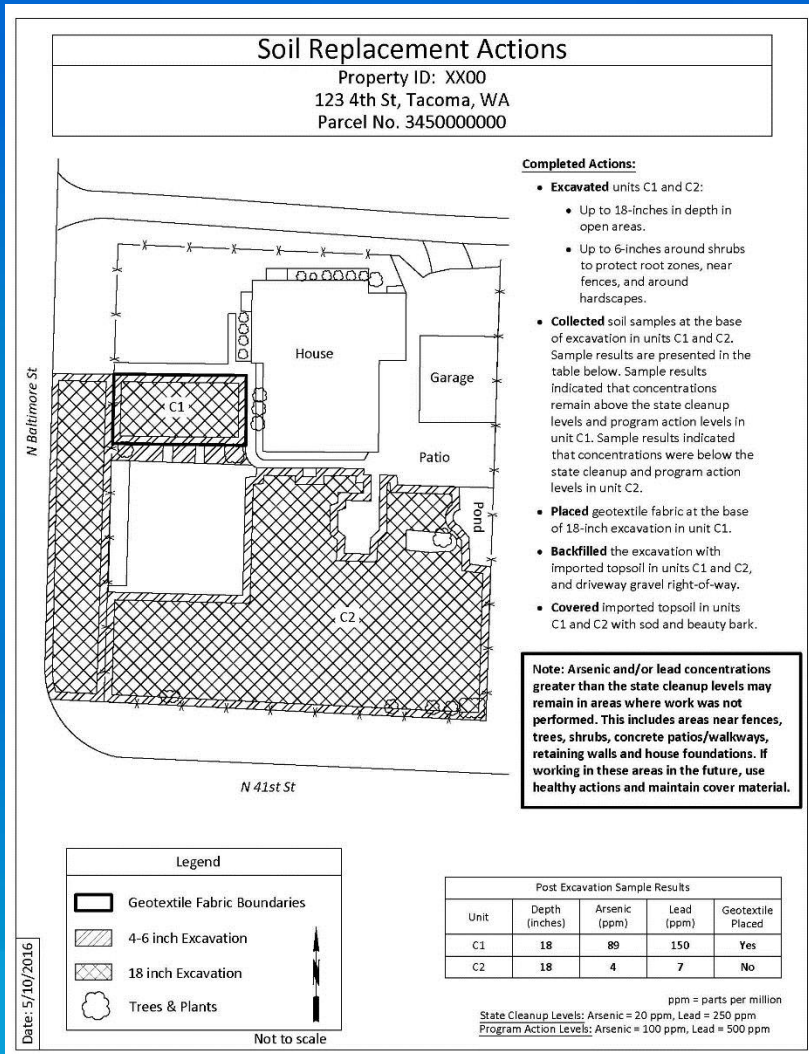
(360) 407-7688

Press 2 for Tacoma Smelter Plume

Staff will return calls within 1 business day



# Completion Packet



- Mailed to homeowner and put on public database



Find Property



[Information about  
arsenic and lead](#)

[Healthy Actions](#) to  
reduce contact  
with soil

**Contact**  
360-407-7688  
Press 2 for Tacoma  
Smelter Plume

## Project Information

### Arsenic and lead in the soil

The mining company Asarco once operated two copper smelters in Washington State; in Everett and Tacoma. Emissions of arsenic and lead contaminated soils for miles around the former stacks.

The [Tacoma Smelter Plume](#) covers 1,000 square miles of King, Pierce, and Thurston counties. Ecology and [EPA](#) have been cleaning up yards and play areas in Tacoma since 1993. The [Everett Smelter](#) contaminated a one square mile area in north Everett. Ecology has been cleaning up yards in Everett since 1999.

### Search here for soil sampling results and cleanup records!

The database has records for 10,000 properties in Everett, Tacoma and surrounding areas.

1. Enter your address or parcel number and click "search."
2. You will see a map of the area.
3. The property you searched for should be in the center of the screen. Click on the dot, check the address and see what records are available.

### Search for a Property

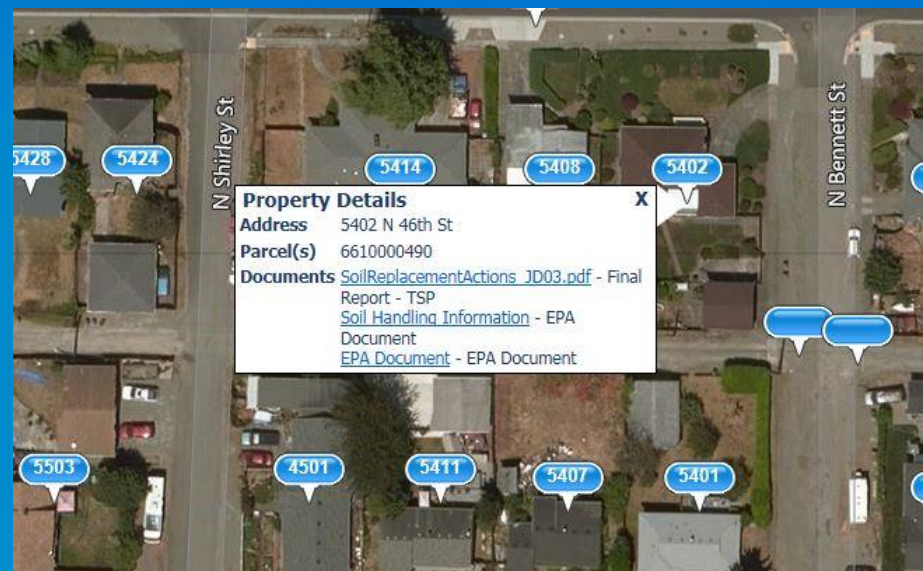
 

- OR -

# Arsenic in Soil Database

## Information:

- Results map & letter
- Soil replacement documentation
- Out of program letters



[www.fortress.wa.gov/areispublic/](http://www.fortress.wa.gov/areispublic/)



# Health Questions

## Contact

Walt Burdsall

Email: [wburdsall@tpchd.org](mailto:wburdsall@tpchd.org)

Phone: (253) 798-4708

Website: [www.dirtalert.info](http://www.dirtalert.info)



# Healthy Actions



# Questions?



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

## Contact

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Phone: (360) 407-0242

Website: <http://ecology.wa.gov/Tacoma-smelter>





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State of Washington

# Questions?