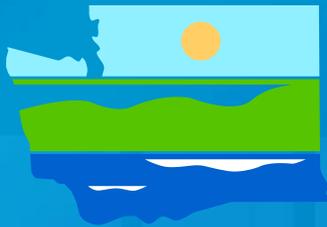


Tacoma Smelter Plume 2015 Yard Cleanups

August 5th & 12th, 2015

Point Defiance Elementary School



DEPARTMENT OF
ECOLOGY
State of Washington

Topics

- Timeline
- Prepare yard area
- Maintain access
- Safety
- Lawn care
- Project Line



Yard Program: Cleanup Progress

2015

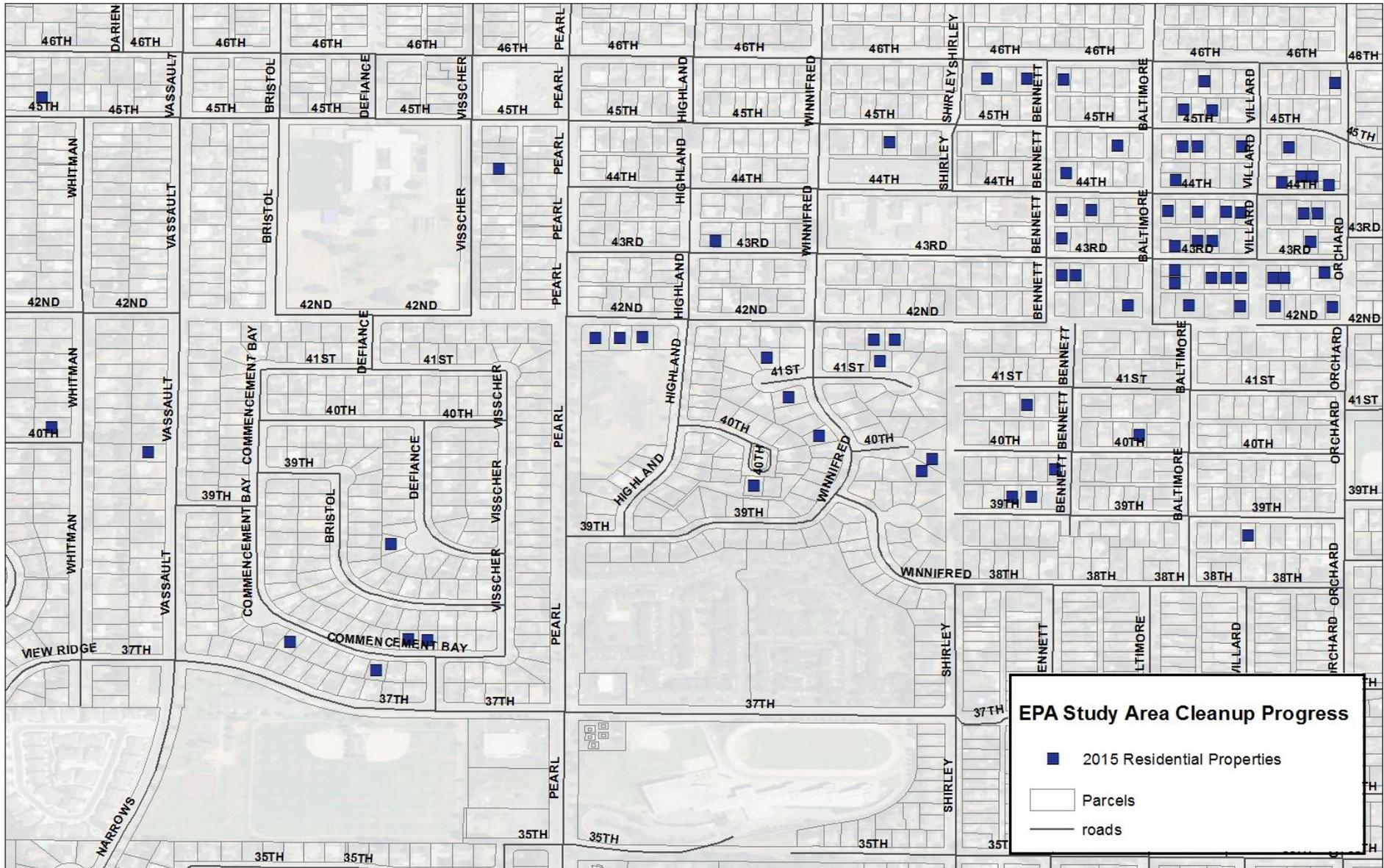
- Cleanup: 75 homes in Tacoma
- Sampling: 750+ homes in Tacoma

2016

- Cleanup: 100+ homes in Tacoma
- Sampling: Finish all sampling

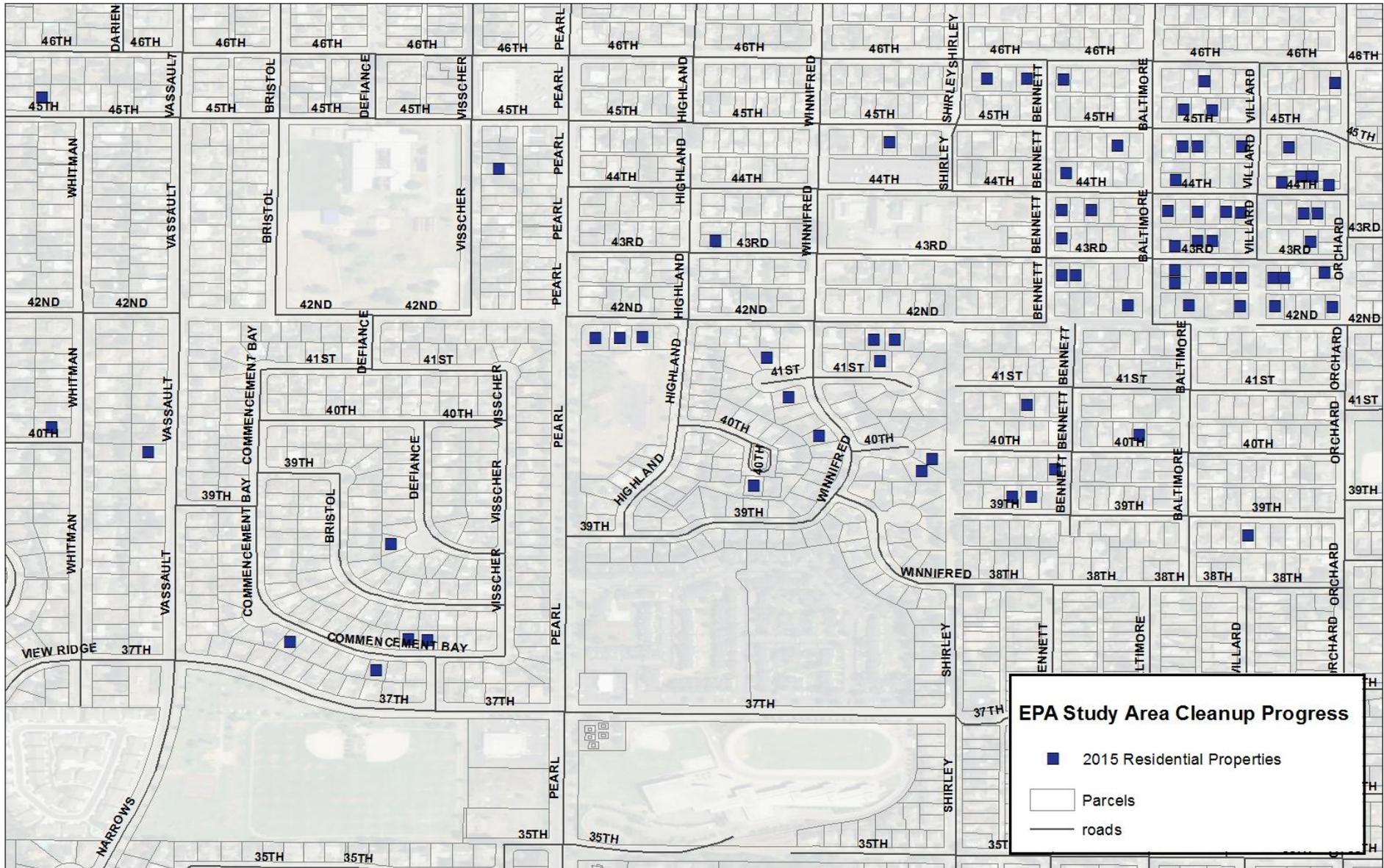
2017 - 2023

- Cleanup: Continues in Tacoma



EPA Study Area Cleanup Progress

- 2015 Residential Properties
- Parcels
- roads



Timeline

Hire contractor (Early August)

Notify homeowner (One week notice)

Site walk through (Before cleanup starts)

Soil cleanup and restoration (3 to 6 weeks)

Lawn maintenance (60 days)

Prepare yard for cleanup

Complete yard work

Clear personal items:

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



Maintain Access

- Driveways
- Parking
- Walk ways
- Side yards
- Fences
- 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

Schedule:

- Planned start in September
- Complete in 2015

Work Hours:

- 8:00 am-5:00 pm
- Monday through Friday



- Construction fences will be remain up until projects are complete

Traffic and Noise

Trucks & equipment:

- Parked overnight

Construction noise:

- Beeping
- Staff talking
- Equipment

Cars parked on street

- During construction sidewalk and driveway access may be restricted



Construction Sites

Piles of soil in yard

Construction fencing:

- Chain link
- Orange safety

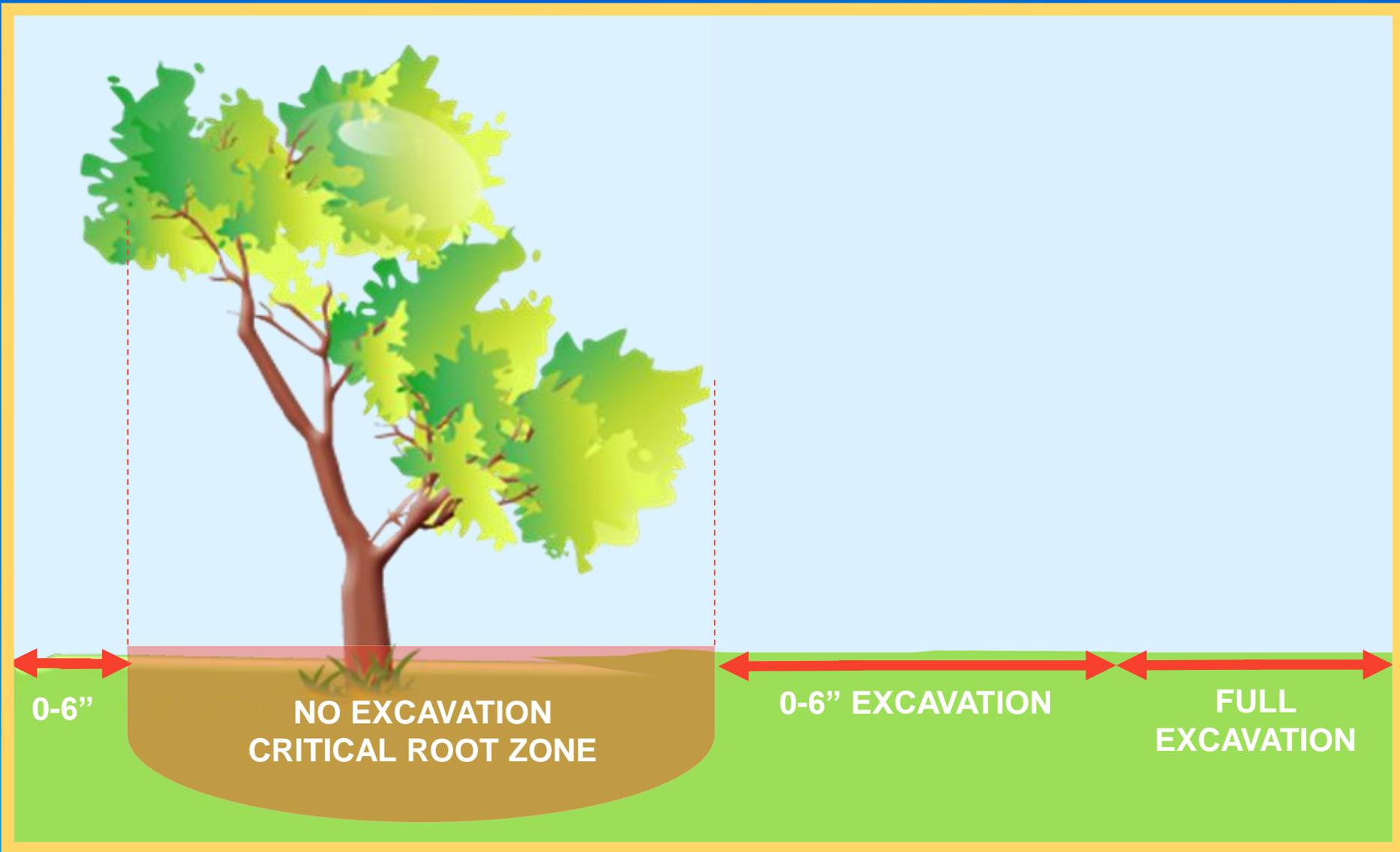
Stormwater controls:

- Straw wattles
- Silt fence
- Plastic sheeting

Signs with Ecology's contact information



Tree Critical Root Zones



Lawn Care

Contractor cares for lawn and plants:

- Until new lawn is established
- Estimated 60 days



Homeowner maintains lawn



New lawn
is planted

Contractor
cares for lawn
plants.

60 days

Homeowner cares for
lawn and landscape.
Ecology warranty in place.

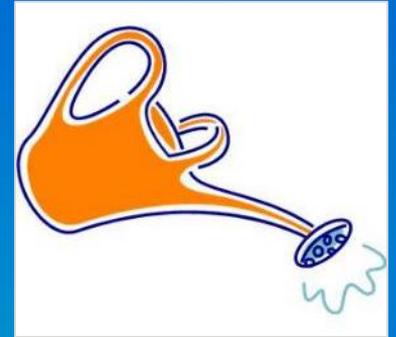
1 year

Ecology completes
final inspection
of lawn.

On-going lawn care

Homeowner cares for new lawn:

- Water new plants or grass
- Weed regularly
- Replenish mulch
- Add fertilizers as needed
- Pick up pet waste



Call Ecology immediately if you notice a problem with your plants or lawn.

Please call us if you see...

- Mud or water running off property
- Dust in the air
- Soil on the sidewalk or street



When to call Ecology...



Before Cleanup

- Questions about what items to move
- Questions about timeline



During Cleanup

- Questions about schedule
- Questions about work details



After Cleanup and Restoration

- Dead grass, rolled up sod, puddles on grass
- Soft or settled soil

Tacoma Smelter Plume Project
Line

(360) 407-7688

Press 2 for Tacoma Smelter Plume

Staff will return calls within 1 business day



Field Coordinators



Aaron Waggoner
GeoEngineers

Awaggoner@geoengineers.com
(253) 722-2449



Steve Needles
Department of Ecology

Steve.Needles@ecy.wa.gov
(360) 407-0242

Soil Safety Program



Baltimore Park

Optimist Park



Arsenic in Soil Database



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.

[Information about
arsenic and lead](#)

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

[Contact
Leslie Goodwin](#)
360-407-6248

Search here for soil sampling results and cleanup records!

Right now, the database only has records for 2,000 properties in Ruston and north Tacoma.

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.

I can't find my property/I live outside of north Tacoma

Within the next year, we plan to add records for the Everett smelter cleanup and more areas of the Tacoma Smelter Plume.

Search for a Property

(do not include the city or state)

- OR -

Arsenic in Soil Database

Information:

- Results map & letter
- Cleanup documentation
- Out of program letters



Soil Sampling and Health Questions

Contact

Jeremy Bush

Email: jbush@tpchd.org

Phone: (253) 255-8135

Website: www.tpchd.org/DirtAlert



Questions?



Contact

Crescent Calimpong, Outreach Coordinator

Email: Crescent.Calimpong@ecy.wa.gov

Phone: (360) 407-6790

Amy Hargrove, Remediation Manager

Email: Amy.Hargrove@ecy.wa.gov

Phone: (360) 407-6762

Website: ecy.wa.gov/toxics/tacoma-smelter.html