

# Welcome to the Everett Smelter Meeting

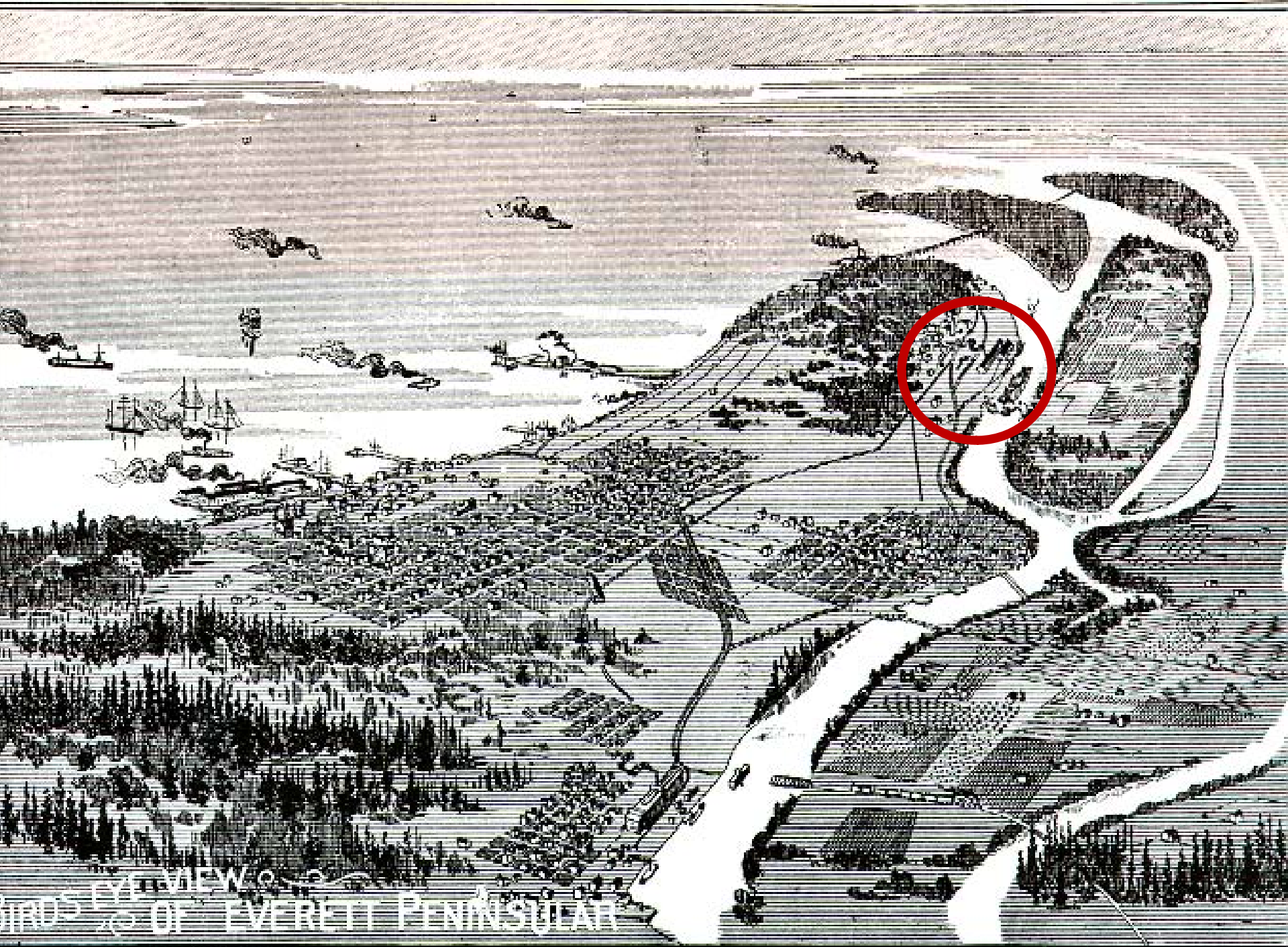


6:00 – Open House

6:30 – Presentation

7:00 – Q&A

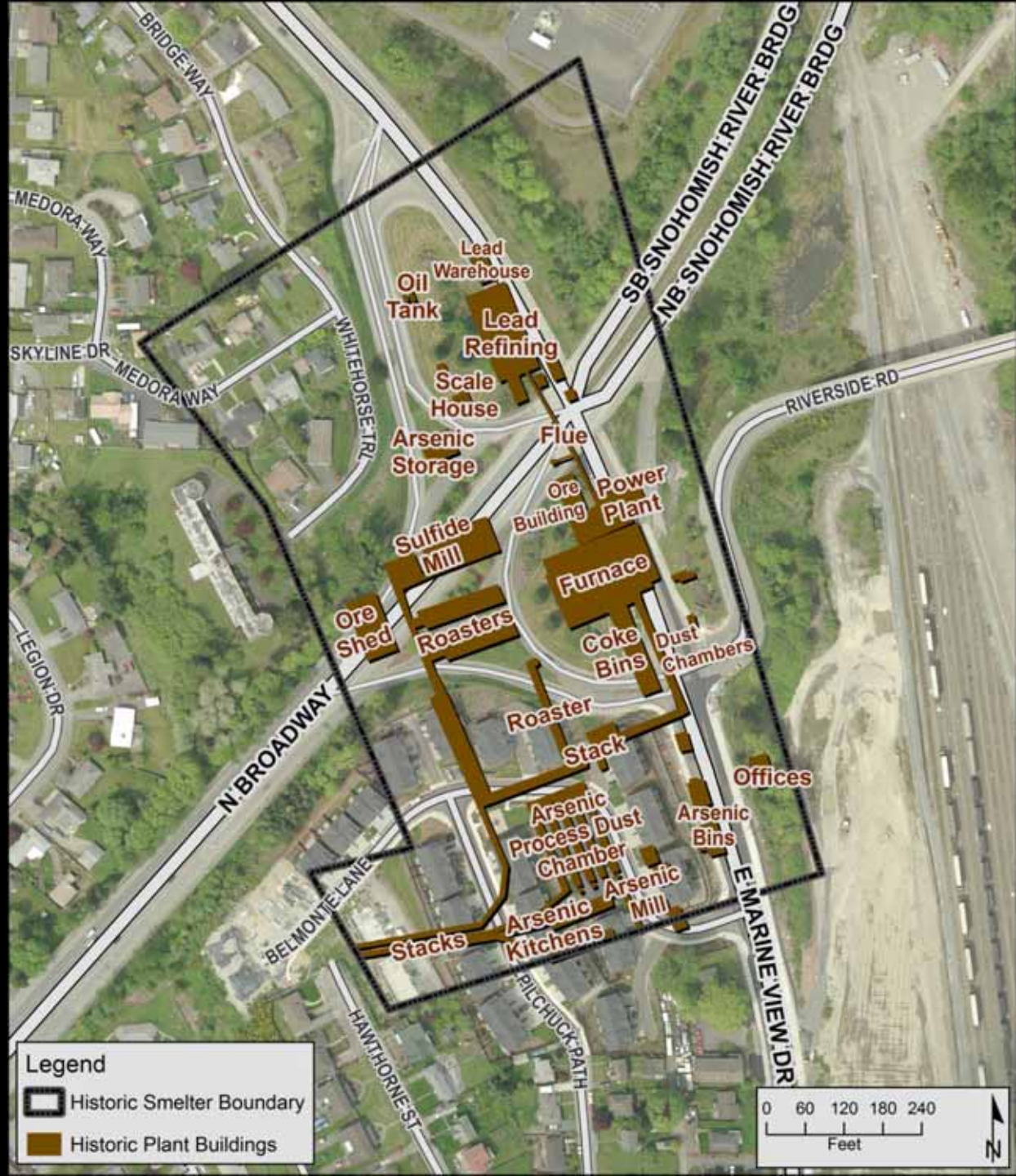
7:30 – Open House



AN EYE VIEW OF THE EVERETT PENINSULA



# Smelter Plan



# Everett Smelter in 1907



The Everett Smelter operated from 1896 to 1912. It extracted lead, gold, silver, and arsenic.

# Old Flue

Conducted gas and smoke from the smelter furnaces to the stacks





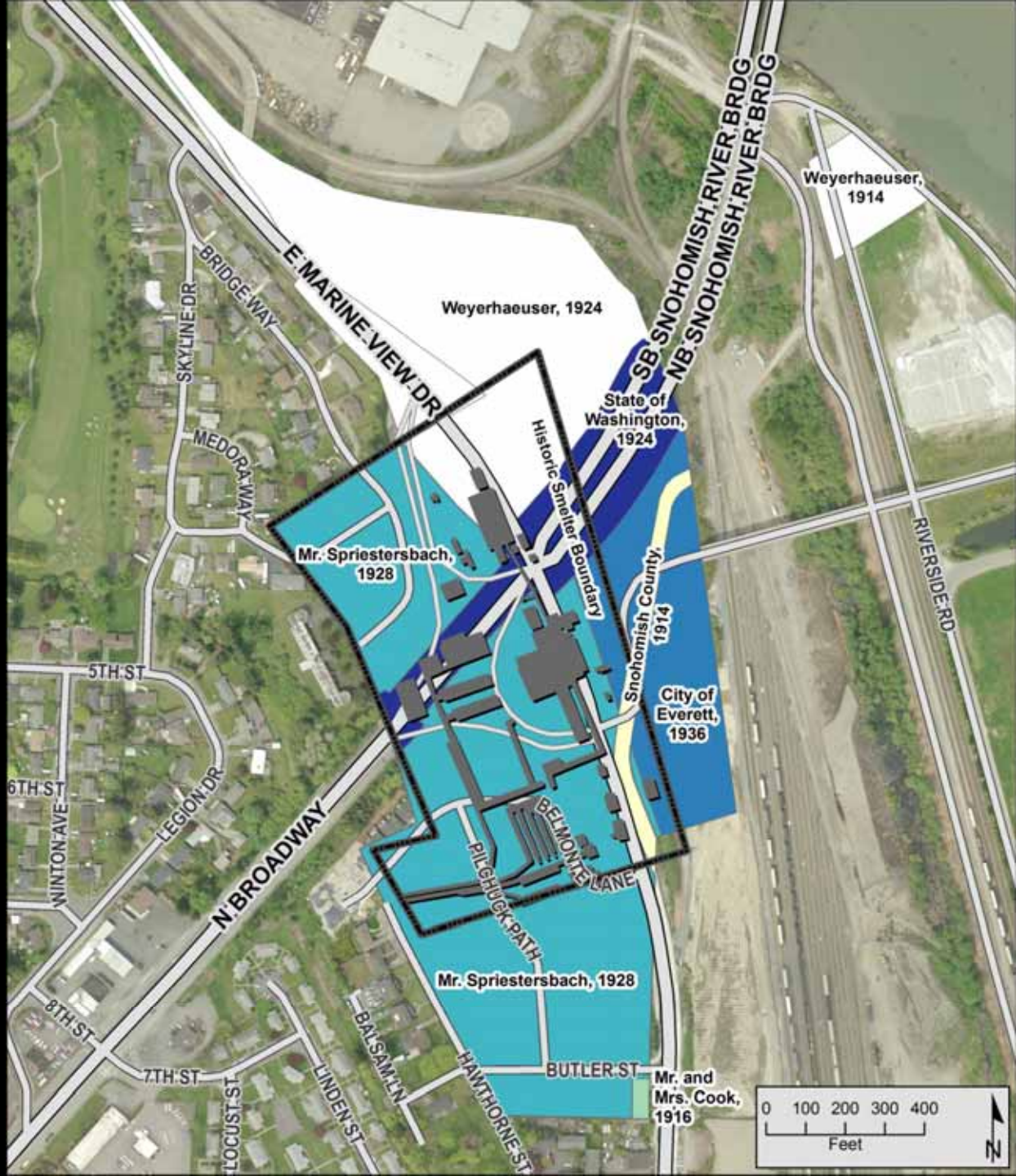
# Slag



The smelter was demolished between 1912 and 1915.

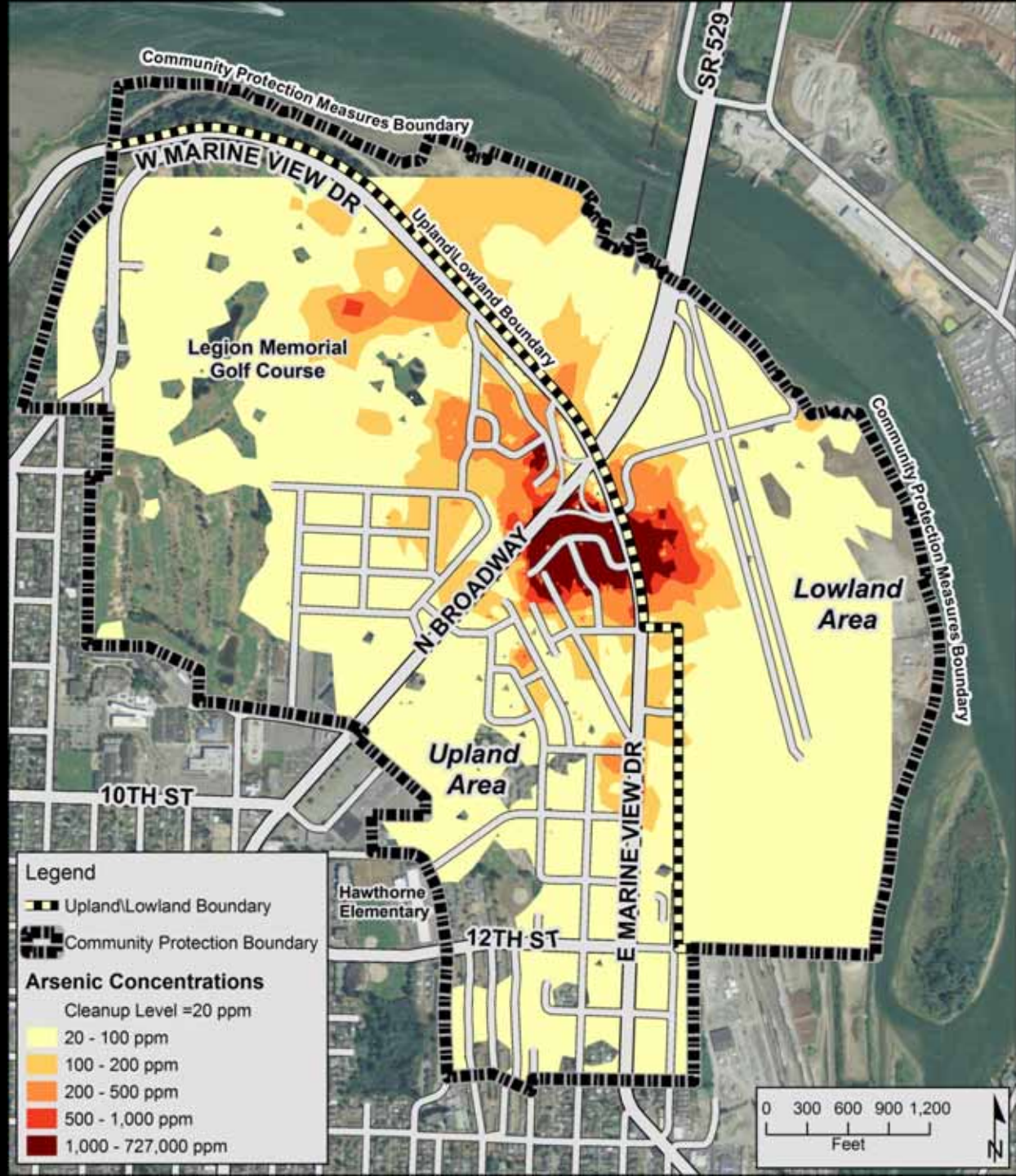
Asarco sold the land in a series of transactions between 1914 and 1936.

Housing was built on the former smelter site.





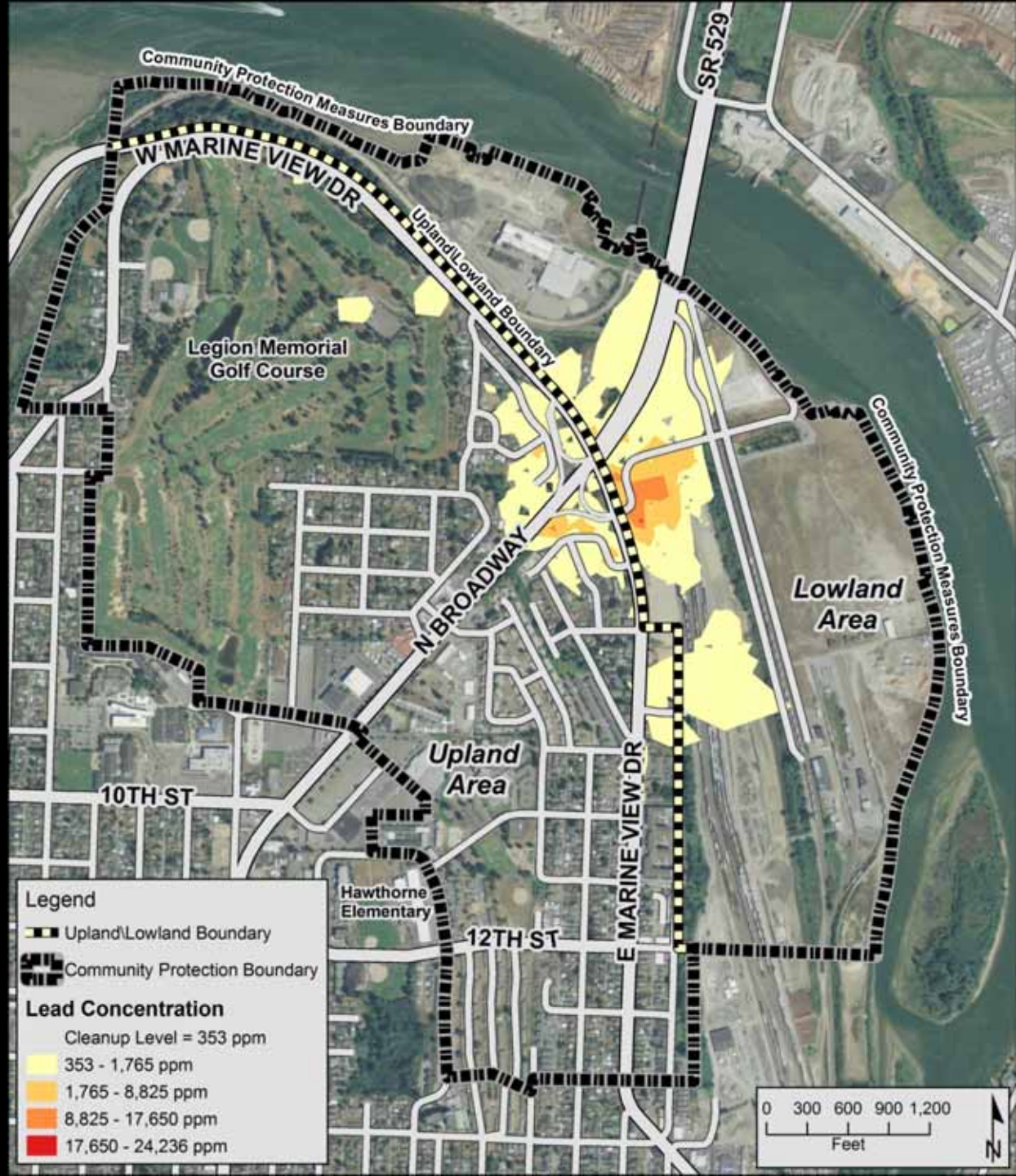
# Arsenic Levels







# Lead Levels





# Upland Cleanup Ten Year Plan

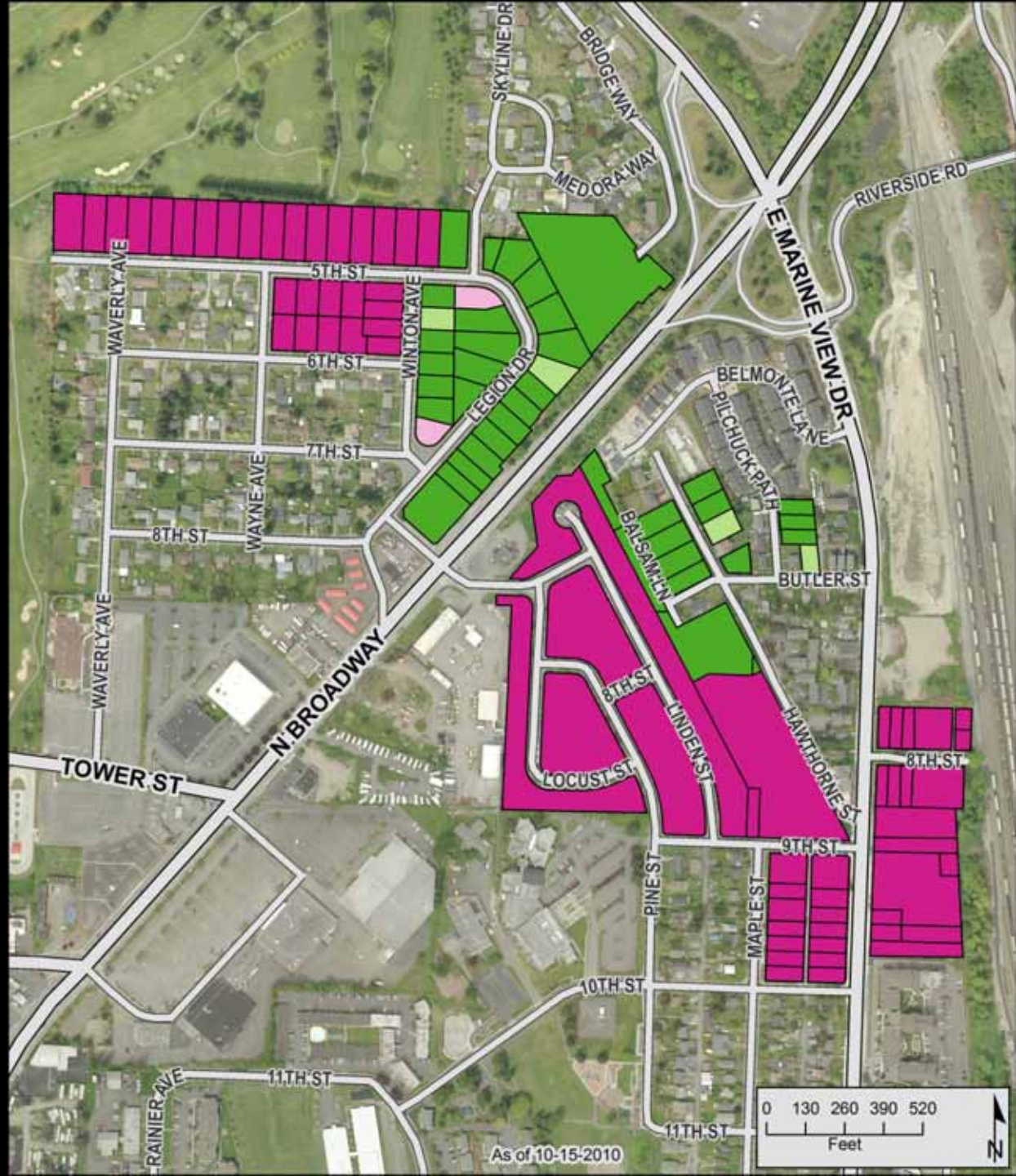
- Properties with the highest contamination were cleaned up between 1999 – 2007
- Remaining properties will be cleaned up by group
- The highest levels of contamination will be addressed first
- Construction feasibility was considered in creating groups
- Cleanup is funded from the Asarco bankruptcy settlement





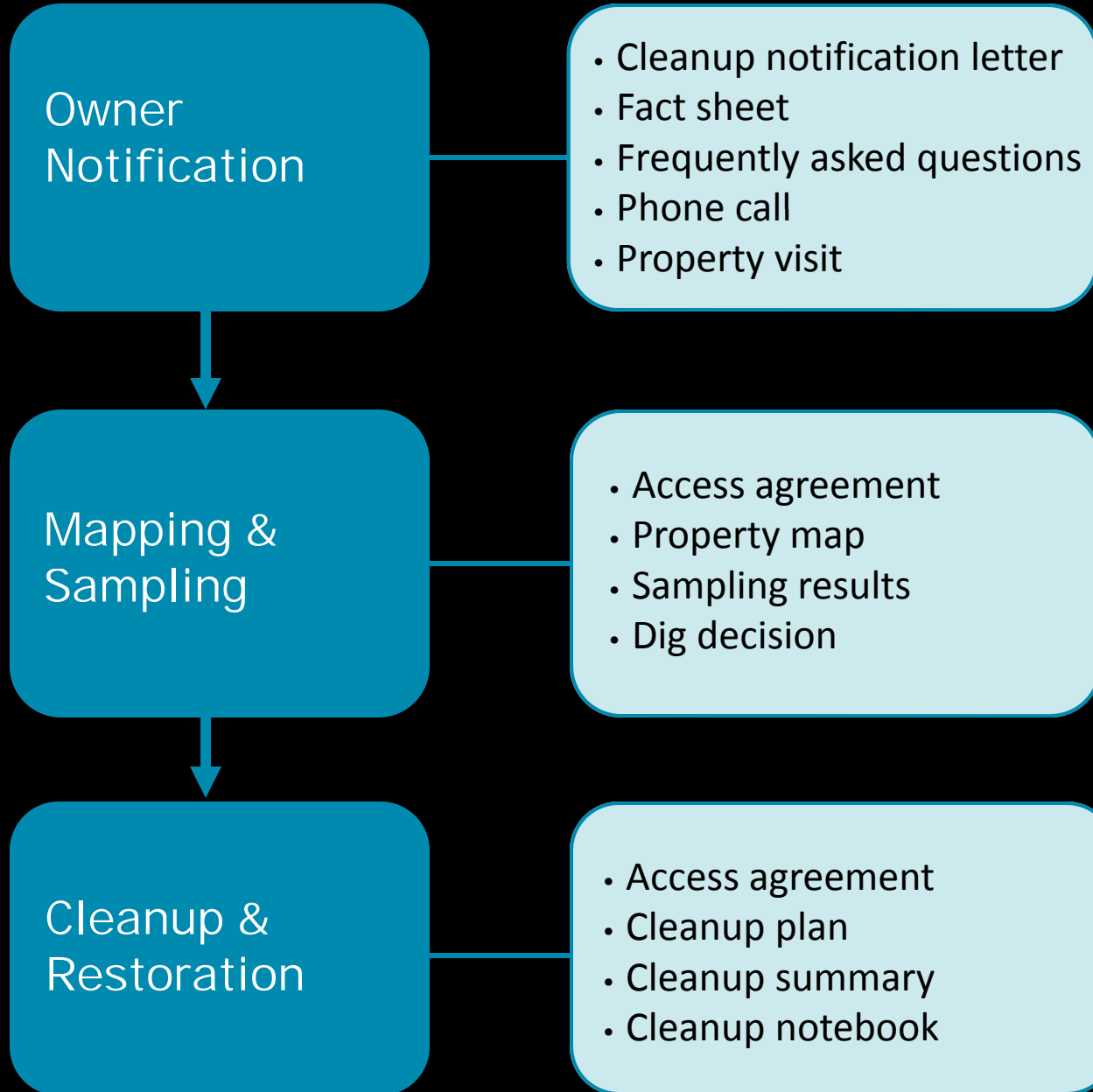
# 2010-2012 Cleanup

- Group 7 (green):
  - Mapping & sampling – Fall 2010
  - Cleanup – Summer 2011
- Group 8 (dark pink):
  - Mapping & sampling – Summer 2011
  - Cleanup – Summer 2012

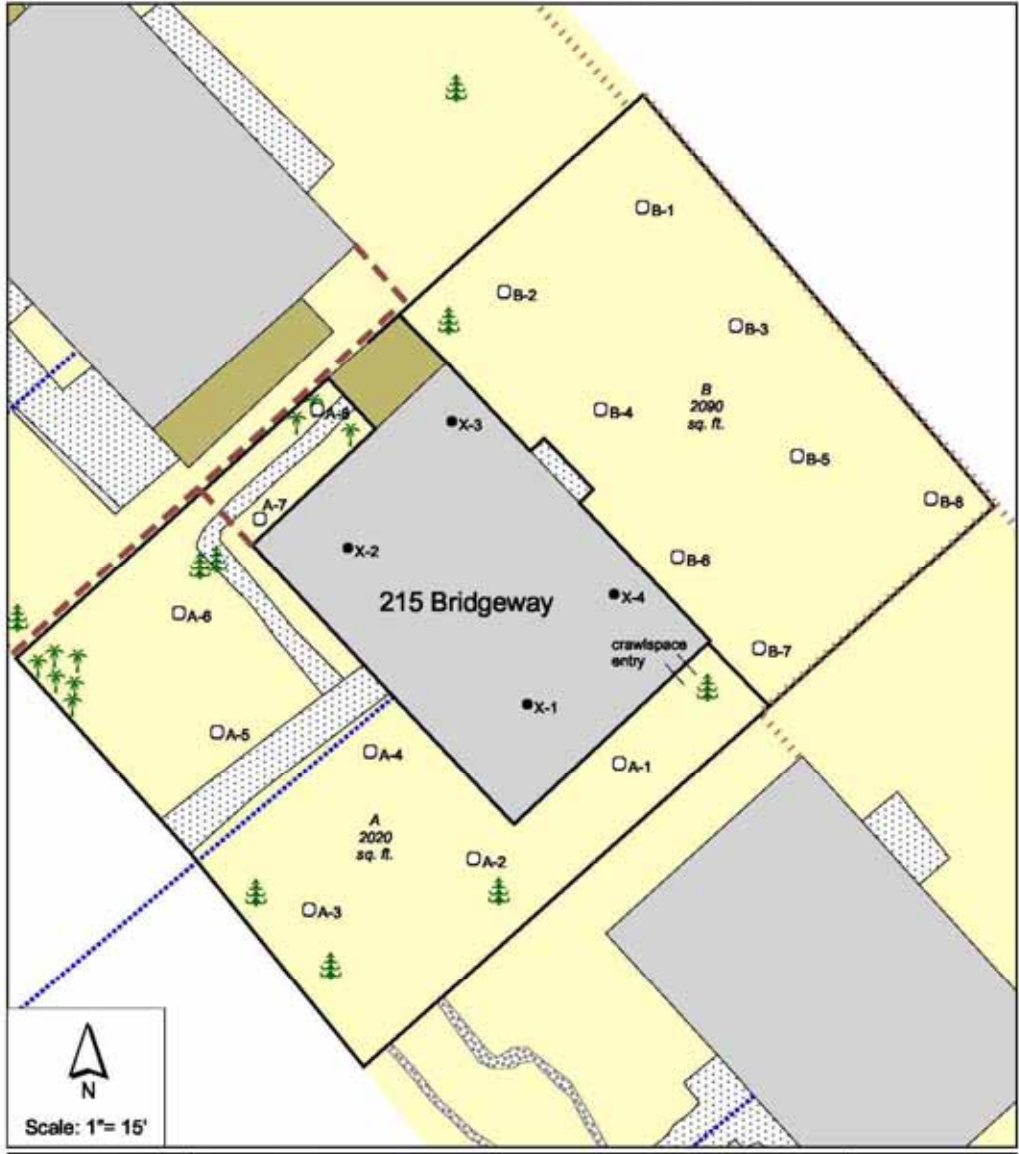




# Stages of Cleanup



# Property Map



LEGEND  
○ Decision Unit Samples  
● Crawlspace Samples

**215 Bridgeway** (Home 50)  
Everett Smelter Homesite Cleanup  
Source: Snohomish Health District





# Sampling



# What You Can Expect During Cleanup

- Cleanup will be conducted between April and September
- Increased truck traffic in the area
- Heavy equipment will be used for excavation
- No more than 4 feet of soil will be removed
- Grass and plants will be replaced after cleanup





# After Cleanup

Ecology will provide owners with a *Cleanup Notebook* that contains:

- Copies of Access Agreements
- Property-Specific Cleanup Plan
- Map and Sample Results
- Cleanup Summary
- Pictures of cleanup



215 Bridgeway  
Everett, WA 98201

## DECISION UNIT A

### Cleanup Activities

Results of pre-cleanup sampling indicated 30 inches of soil would have to be excavated in this decision unit. The on-site coordinator witnessed the soil being removed to a target depth of 30 inches.

Attachment B shows that:

- Below 30 inches, the composite sample analyses are below the remediation level

Cleanup level of 20 ppm;

described in the "Specifications" section of the "Specifications" document. See the backfill and the

house were left in place

d areas.

of the house, and the soil was removed. The soil was replaced with a new material and extended to curble the

the house and edged with concrete according to owner's list

recent home at 223  
driveway was prepared from

Parcel No. 005203-000-046-00

## Washington Department of Ecology Everett Smelter Site 2007 Cleanup

### Details of Cleanup Activities for 215 Bridgeway

In 2007, Department of Ecology (Ecology) selected 10 homes within the Everett Smelter Site for cleanup. These homes are located along the east side of Bridgeway in north Everett. Cleanup activities were conducted from May 21, 2007 – November 30, 2007. The cleanup was conducted according to the "Everett Smelter Site: Integrated Final Cleanup Action Plan and Final Environmental Impact Statement for the Upland Area" (see Document Repository information on page 3).

Where used for the first time, definitions for words marked in *bold italics* may be found in the definition section following this summary.

This report describes the cleanup actions that were conducted, where arsenic-contaminated soil was removed and where it remains for the following location:

Property Owner	XXXX XXXX
Address:	215 Bridgeway Everett, WA 98201
Snobouish County State of Washington Tax Parcel No.	# 005203-000-046-00

#### Purpose of Sampling

The purpose of sampling was to determine the required depth of excavation for this property. The property was divided into two Decision Units A and B, as shown on the attached map in Attachment A. A rotating laser level was used to measure the depth of the excavated soil in each decision unit.

The following is a summary of the work done to remediate the property within each of the decision units or other areas on the property.

## Before cleanup



## After cleanup



# Property Owner Considerations

## Responsibility of property owners:

- Properly manage contaminated soil
- Real estate disclosures
- Provide notebook to next owner

## Benefits of cleanup:

- No cost to property owners
- Accessible soil is cleaned
- Health hazards are removed or reduced





# Staying Safe Around Contaminated Soil

- Inform employees, children, and parents about the contamination
- Keep children away from contaminated soil
- Wash hands and face frequently
- Keep soil outside
- Mop, dust, and vacuum
- Wash and rinse toys often
- Maintain your yard
- Wash home grown vegetables thoroughly – consider raised-bed gardening



# Health Effects of Arsenic

- Arsenic can cause a wide variety of health effects, including certain types of cancer, heart disease, diabetes, and many others.
- These health effects have many other causes.
- People's response to arsenic varies widely.
- Jim White and Craig McCormack are here to answer your questions on health effects.



We encourage you to protect your family's health and the health of future generations by having your property cleaned up.

Please visit our web site for more  
information

[http://www.ecy.wa.gov/programs/tcp/sites/asarco/es\\_main.html](http://www.ecy.wa.gov/programs/tcp/sites/asarco/es_main.html)

(The web address is on the fact sheet)

Or search on the keywords: Ecology Everett Smelter