

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: **Tacoma Smelter Plume, Soil Safety Program –FALL 2012, GROUP 2; Pierce County**
2. Name of applicant: **WA State Department of Ecology**
3. Address and phone number of applicant and contact person: **PO Box 47775
Olympia, WA 98504
Contact: Amy Hargrove (360) 407-6262
Ahar461@ecy.wa.gov**
4. Date checklist prepared: **June 29, 2012**
5. Agency requesting checklist: **WA State Department of Ecology**
6. Proposed timing or schedule (including phasing, if applicable):

Preliminary hand excavation sampling has been conducted to delineate contamination at the site. Contaminated soil remediation is scheduled to begin after September 1, 2012:

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **NO.**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **The soil contains arsenic or lead or both arsenic and lead above the Washington State Model Toxics Control Act standard for unrestricted land uses.**
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **NO.**
10. List any government approvals or permits that will be needed for your proposal, if known.

Local Jurisdictions: The Model Toxics Control Act exempts these projects from the procedural requirements of local permits that may be needed by the City of Lakewood. Ecology will meet the substantive requirements of the local permits listed.

1. American Lake Park; State Permits: NPDES Construction Stormwater General Permit. Local Permits under the jurisdiction of the City of Lakewood likely include a grading permit and a critical area review.

2. Kiwanis Park – Local Permits: Local Permits under the jurisdiction of the City of Lakewood likely include a grading permit.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

1. American Lake Park, City of Lakewood, 9222 Veterans Dr SW Lakewood, WA 98498– Under the Soil Safety Program, Ecology will remove approximately 1,850 cu yards of contaminated soil from an area approximately 49,750 sq ft primarily consisting of existing lawn mixed with trees. In the existing lawns areas, the 12-inch deep excavation will be completed by traditional excavation and/or use of vacuum truck. Excavation will only go as deep as tree roots will allow, up to a maximum of 12 inches. Confirmation samples will be collected from the 12-to 18-inch layer to assess if additional soils should be removed. The void left from the removal, will be backfilled with clean topsoil to the same profile that existed before. The new topsoil will be hydroseeded. Landscape bark would be applied to the root flares around the trees.

2. Kiwanis Park, City of Lakewood, 6002 Fairlawn Dr SW Lakewood, WA. - Under the Soil Safety Program, Ecology will remove approximately 290 cu yards of contaminated soil from an area approximately 7800 sq ft primarily consisting of existing lawn mixed with trees. In the existing lawns areas, the 12-inch deep excavation will be completed by traditional excavation and/or use of vacuum truck. Excavation will only go as deep as tree roots will allow, up to a maximum of 12 inches. Confirmation samples will be collected from the 12-to 18-inch layer to assess if additional soils should be removed. The void left from the removal, will be backfilled with clean topsoil to the same profile that existed before. The new topsoil will be hydroseeded. Landscape bark would be applied to the root flares around the trees.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

1. American Lake Park, City of Lakewood, 9222 Veterans Dr SW Lakewood, WA 98498

Legal Description: Section 16 Township 19 Range 02 Quarter 21 : BEG 500 FT W OF NE COR OF LOT 3 TH W TO E LI OF L 14 B 20 NORTH LAKE PLAT TH S ON E LI OF SD L 14 TO SE COR THEREOF TH ELY ON ML OF AMERICAN LAKE TO A PT S OF BEG TH N TO BEG TOG/W SHLDS ABUTT

Quarter-Section-Township-Range: Section 16, Township 19N, Range 02E.

Parcel Number: 0219162008 and 6385000181

2. Kiwanis Park, 6002 Fairlawn Dr SW Lakewood, WA 98499.

Range 02E Township 20N Section 35

Legal Description: Section 35 Township 20 Range 02 Quarter 31 LAKEWOOD PARK ALL B 39 TOG/W ALL VAC PARK LANE ABUTT UNDER ORD #83-187 EXC POR CYD TO CY OF LAKEWOOD PER ETN 4201403 09/28/08 OUT OF 133-0 SEG W-0035 CA ES DC01/15/09SK

Parcel No. 5130001331

Maps Attached

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other

- 1. American Lake Park: Steep slopes**
- 2. Kiwanis Park: Flat**

b. What is the steepest slope on the site (approximate percent slope)?

Site	Steepest Slope
American Lake Park	27%
Kiwanis Park	1%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Site	Soil Type
American Lake Park Kiwanis Park	Go7; Soils developed under fern-prairie vegetation; most with dark-colored, humus-rich topsoils; some of the soils contain amorphous materials and have properties typically associated with weathered volcanic ash; Spanaway-Nisqually-Spana

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **NO INDICATIONS WERE OBSERVED**

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Arsenic contaminated soil will be removed from the sites and replaced with clean soil from an approved offsite source (landscape material provider) selected by the contractor.

1. **American Lake Park:** Approximately 1,850 cu yards of contaminated soil from an area approximately 49,750 sq ft primarily consisting of existing lawns under a tree canopy. This area is used as a play area by children.
2. **Kiwanis Park:** Approximately 290 cu yards of contaminated soil from an area approximately 7800 sq ft primarily consisting of existing lawns under a tree canopy. This area is used as a play area by children.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes. Erosion could occur within the limits of the work and if BMPs are not implemented as appropriate for site conditions. The work planned for the above site is ideal for implementing BMPs such as limiting the amount of site impact or short time frames for applying restoration measures such as seeding. Soil disturbances by these project include shallow excavation in previously developed areas such as existing lawns are playgrounds. Shallow cuts of about 12-inches are used to remove contaminated soils. On rare occasions isolated cuts of 12-inches to 24-inches below original ground surface are necessary to remove pockets of contaminated soils. A short construction window is anticipated to minimize erosion potential.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **N/A**

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Expedited work with a short work window. Watering soil if dry to reduce dust and implementing storm water BMPs.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Depending on the weather, a minor amount of dust may occur when removing the soil and replacing with clean soil. Emissions from construction equipment.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No**

c. Proposed measures to reduce or control emissions or other impacts to air, if any: **The sites will be watered, if needed, during construction to minimize dust.**

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

1. **American Lake Park: Is located on the bank of American Lake.**

2. Kiwanis Park: This site is approximately 1200 feet from Seeley Lake

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

1. American Lake Park - YES. The work will occur within 50 to 100 feet from the shoreline of the lake. See attached plans

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

NONE

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **NO**

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. **NO**

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. **NO**

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **NONE**

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No additional storm water runoff will be caused by this project. Water would normally flow into American Lake

2) Could waste materials enter ground or surface waters? If so, generally describe.

Contaminated soils will be disposed of at a RCRA Subtitle D Landfill that will be approved by the contractor and Ecology.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

The Contractor will use BMPS including covering stockpiles and placing stockpiles on plastic if located on street or driveway. BMPs include sweeping Streets daily and shoveling any sediment off of the roadway. Stormwater drains will have filter fabric placed inside. Other Stormwater BMPs will be used to stop stormwater from leaving the site.

4. Plants

a. Check or circle types of vegetation found on the site:

- 1. **American Lake Park: Oak Trees, Grass**
- 2. **Kiwanis Park: Fir Trees, Grass**

- b. What kind and amount of vegetation will be removed or altered? **Grass will be removed and then replaced either by hydroseed. NO trees will be removed.**
- c. List threatened or endangered species known to be on or near the site. **Not Know**
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **None**

5. **Animals**

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other:

- 1. **American Lake Park. Bass, trout, songbirds**
- 2. **Kiwanis Park - songbirds**

- b. List any threatened or endangered species known to be on or near the site. **Not Known**
- c. Is the site part of a migration route? If so, explain. **Not Known**
- d. Proposed measures to preserve or enhance wildlife, if any: **None**

6. **Energy and natural resources**

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. **None**
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No.**
- c. What kinds of energy conservation features are included in the plans of this proposal?
List other proposed measures to reduce or control energy impacts, if any: **None**

7. **Environmental health**

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

The soil that will be removed at the sites is contaminated with arsenic or lead or both arsenic and lead from the Tacoma Smelter Plume. The following table indicates the average and maximum levels of arsenic and lead for each site. The values are reported in parts per million (ppm), those values that are bold indicate that we found samples above the State cleanup level of 20ppm for arsenic and 250ppm for lead.

State Cleanup Level / Site Name	Arsenic Average	Arsenic Maximum	Lead Average	Lead Maximum
State cleanup level	20	40	250	500
American Lake park, City of Lakewood. 0-6-IN	23.7	47.0	59.9	302.0

American Lake park, City of Lakewood. 6-12-IN	-	48.0	-	343.0
Kiwanis Park 0-6 inches	18.1	84.0	46.9	204.0
Kiwanis Park 6-12 inches		28.0		32.0

- 1) Describe special emergency services that might be required. **None**
- 2) Proposed measures to reduce or control environmental health hazards, if any:

Watering soil during construction to limit dust. Disposal of contaminated soils at Contractor and Ecology approved class D landfill. Construction workers will have 40 Hazardous materials training.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None**
- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Construction noises will occur during the soil removal and replacement. The hours of work will occur within the local jurisdiction noise ordinance hours. The Contractors typically work weekdays from 7:00 AM to 6:00 PM .

- 3) Proposed measures to reduce or control noise impacts, if any:

The Construction work not last more than two months during normal business hours.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

Site	Current Use	Adjacent Properties
American Lake Park	Public Park	Residential
Kiwanis Park	Public Park	Commercial and Residential

- b. Has the site been used for agriculture? If so, describe. **No**
- c. Describe any structures on the site.

- 1. American Lake Park – This park has a restroom building, playground toys, and a boat launch.**
- 2. Kiwanis Park - This park has playground toys, restroom building and skate park.**

- d. Will any structures be demolished? If so, what? **No**

- e. What is the current zoning classification of the site?

1. American Lake Park : Open Space & Recreation One

2. Kiwanis Park: Open Space & Recreation One

- f. What is the current comprehensive plan designation of the site? **Open Space**
- g. If applicable, what is the current shoreline master program designation of the site?
American Lake Park is designated in draft form as Shoreline Residential. See attached map.
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
1. **American Lake Park:** . Sensitive areas include: flood hazard, potential wetlands, fish and wildlife habitit, erosion, hazard, landslide hazard, and aquatic area.
 2. **Kiwanis Park - No**
- i. Approximately how many people would reside or work in the completed project? **NA**
- j. Approximately how many people would the completed project displace? **None**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **None**
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **The proposed project will make the subject property more compatible with any proposed future use since the contaminated soil will be removed and replaced with clean soil or covered with geotextile fabric and a covering material.**
9. **Housing**
- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **N/A**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **N/A**
- c. Proposed measures to reduce or control housing impacts, if any: **N/A**
10. **Aesthetics**
- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? **N/A**
- b. What views in the immediate vicinity would be altered or obstructed? **N/A**
- c. Proposed measures to reduce or control aesthetic impacts, if any: **N/A**
11. **Light and glare**
- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **The project will not produce, increase or decrease light or glare.**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **NO**

- c. What existing off-site sources of light or glare may affect your proposal? **None**
- d. Proposed measures to reduce or control light and glare impacts, if any: **N/A**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

- 1. American Lake Park : The park has open space, lake front access for boating, fishing and swimming as well as a playground.**
- 2. Kiwanis Park: The park has open space, playground and a skate park**

- b. Would the proposed project displace any existing recreational uses? If so, describe. **Only for a temporary period during construction. The work is not expected to take place during the peak use season.**

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

At the project sites identified, a Contractor will remove contaminated soils from play areas and restore the surfaces in kind.

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

- 1. American Lake Park : No the nearest site is American Lake Veterans Hospital approximately one half mile away**
- 2. Kiwanis Park: No the nearest site is Custer School over a mile away**

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None Known

- c. Proposed measures to reduce or control impacts, if any: **None**

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. **See Maps**

- 1. American Lake Park : Veterans Drive**
- 2. Kiwanis Park: Bridgeport Way SW and Fairlawn Dr**

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Both sites are served by Pierce County Transit

- c. How many parking spaces would the completed project have? How many would the project eliminate? **None**
- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). **No**
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

None

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. **Not Known**
- g. Proposed measures to reduce or control transportation impacts, if any: **Possible hauling import and export in same truck to reduce the number of trips.**

15. Public services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. **No**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **None**

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
 - 1. **American Lake Park : Electricity, Water, Refuse Service, Sanitary Sewer**
 - 2. **Kiwanis Park: Electricity, Water, Refuse Service, Sanitary Sewer**
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **None**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: *Amy Hays*

Date Submitted: *July 2nd, 2012*

Tax Parcels
Tax Parcels



Disclaimer: The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. The County assumes no liability for variations ascertained by actual survey. ALL DATA IS EXPRESSLY PROVIDED 'AS IS' AND 'WITH ALL FAULTS'. The County makes no warranty of fitness for a particular purpose. 2012/06/29

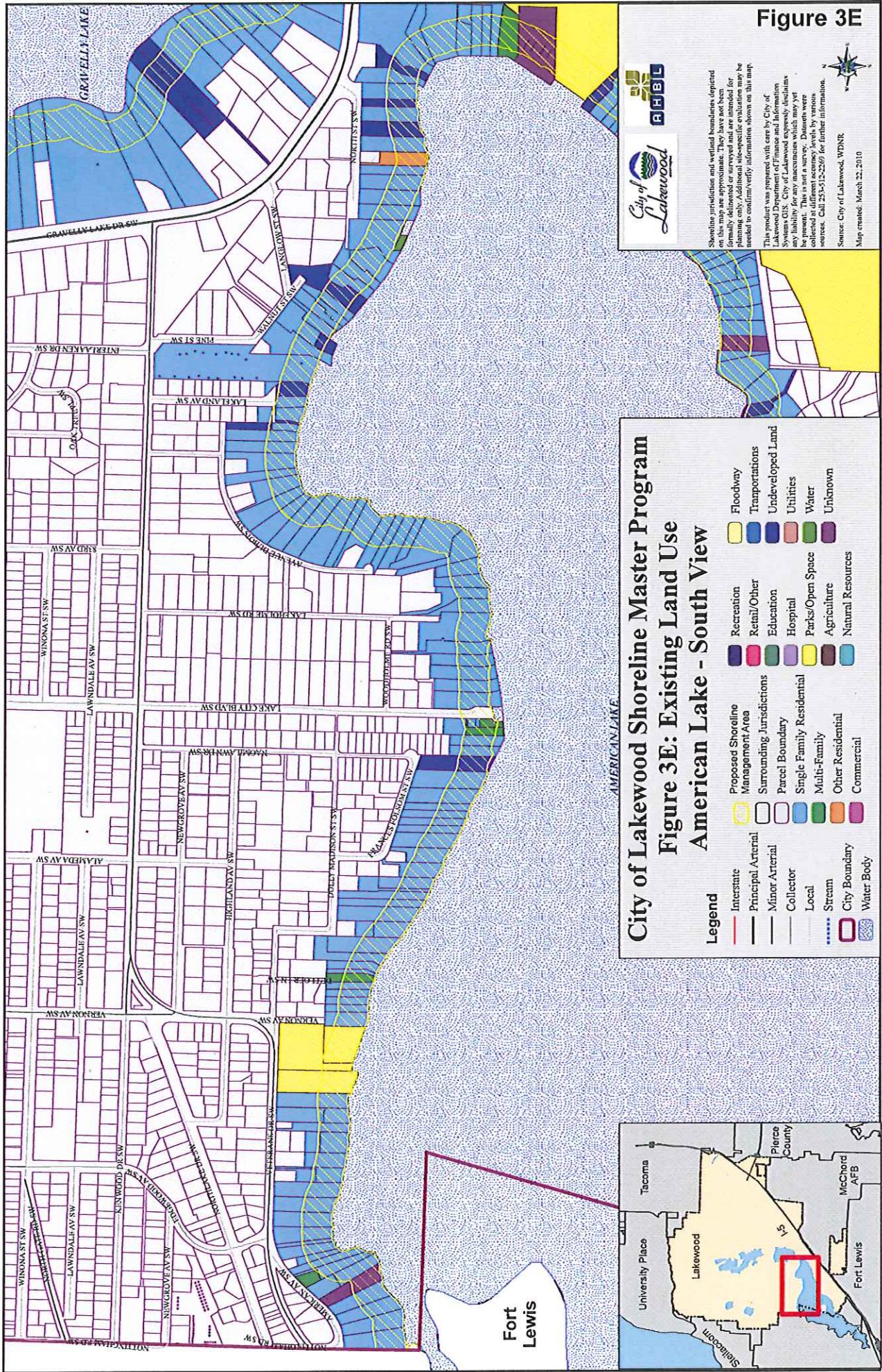


Figure 3E



This product was prepared with care by City of Lakewood, Department of Finance and Information Systems. The City of Lakewood does not assume any liability for any inaccuracies which may yet be present. This is not a survey. Data was collected at different accuracy levels by various sources. Call 253-412-2569 for further information.



Source: City of Lakewood, WDNW
Map created: March 22, 2010

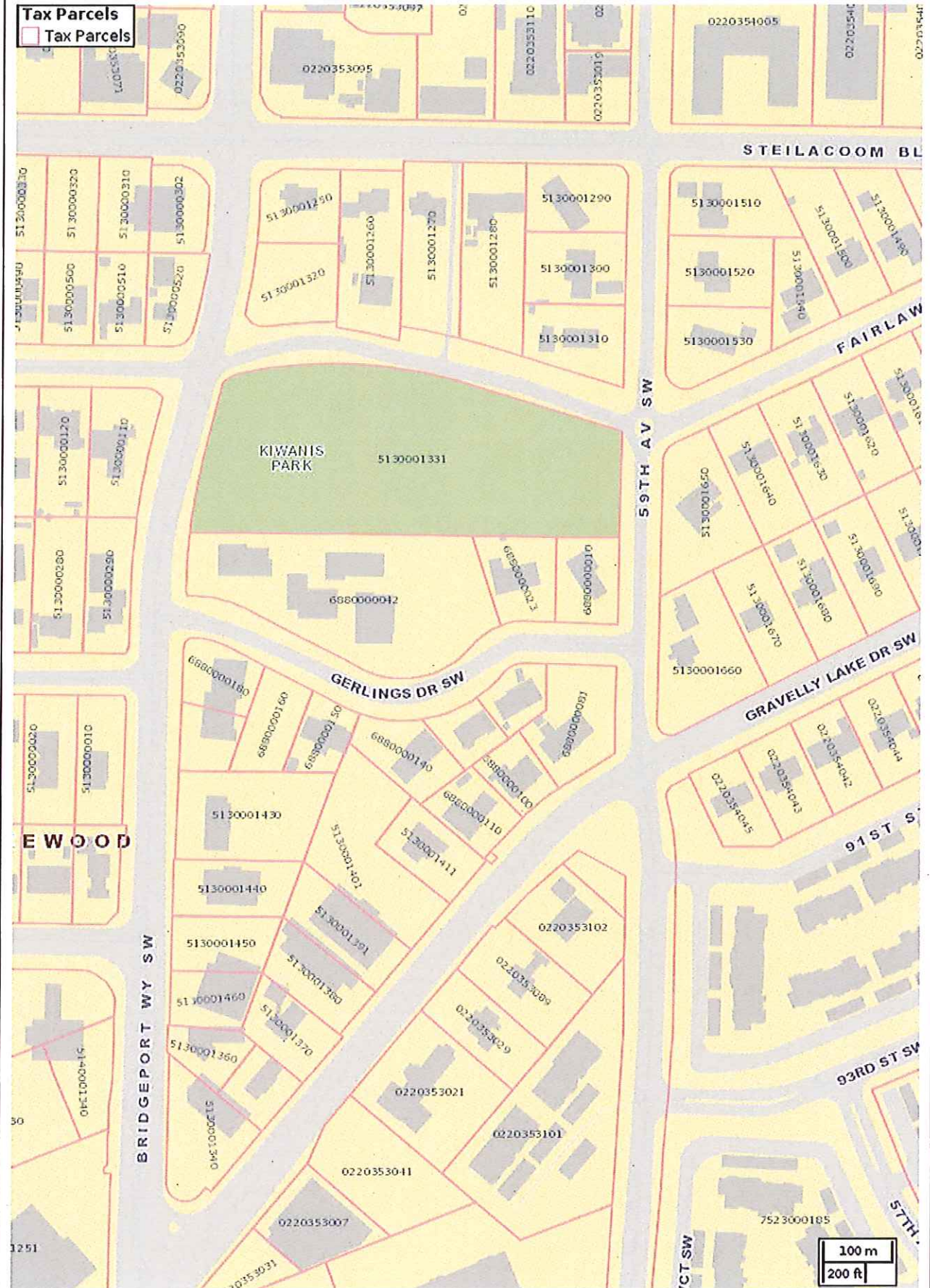
**City of Lakewood Shoreline Master Program
Figure 3E: Existing Land Use
American Lake - South View**

- Legend**
- Interstate
 - Principal Arterial
 - Minor Arterial
 - Collector
 - Local
 - Stream
 - City Boundary
 - Water Body
 - Proposed Shoreline Management Area
 - Surrounding Jurisdictions
 - Parcel Boundary
 - Single Family Residential
 - Multi-Family
 - Other Residential
 - Commercial
 - Recreation
 - Retail/Other
 - Education
 - Hospital
 - Parks/Open Space
 - Agriculture
 - Natural Resources
 - Floodway
 - Transportations
 - Undeveloped Land
 - Utilities
 - Water
 - Unknown

Kiwanis Park

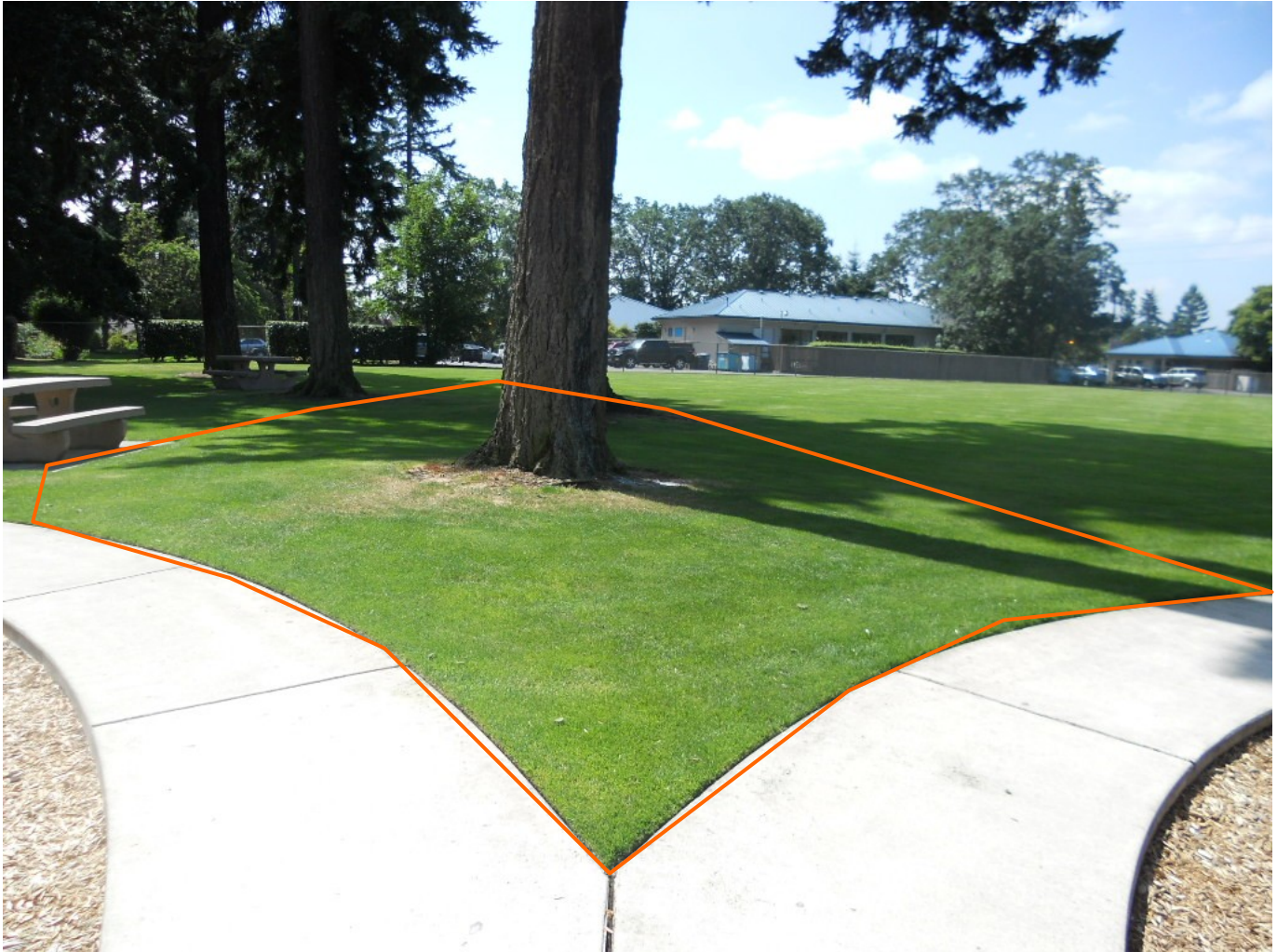


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Kiwanis Park
6002 Fairlawn Dr SW Lakewood, WA

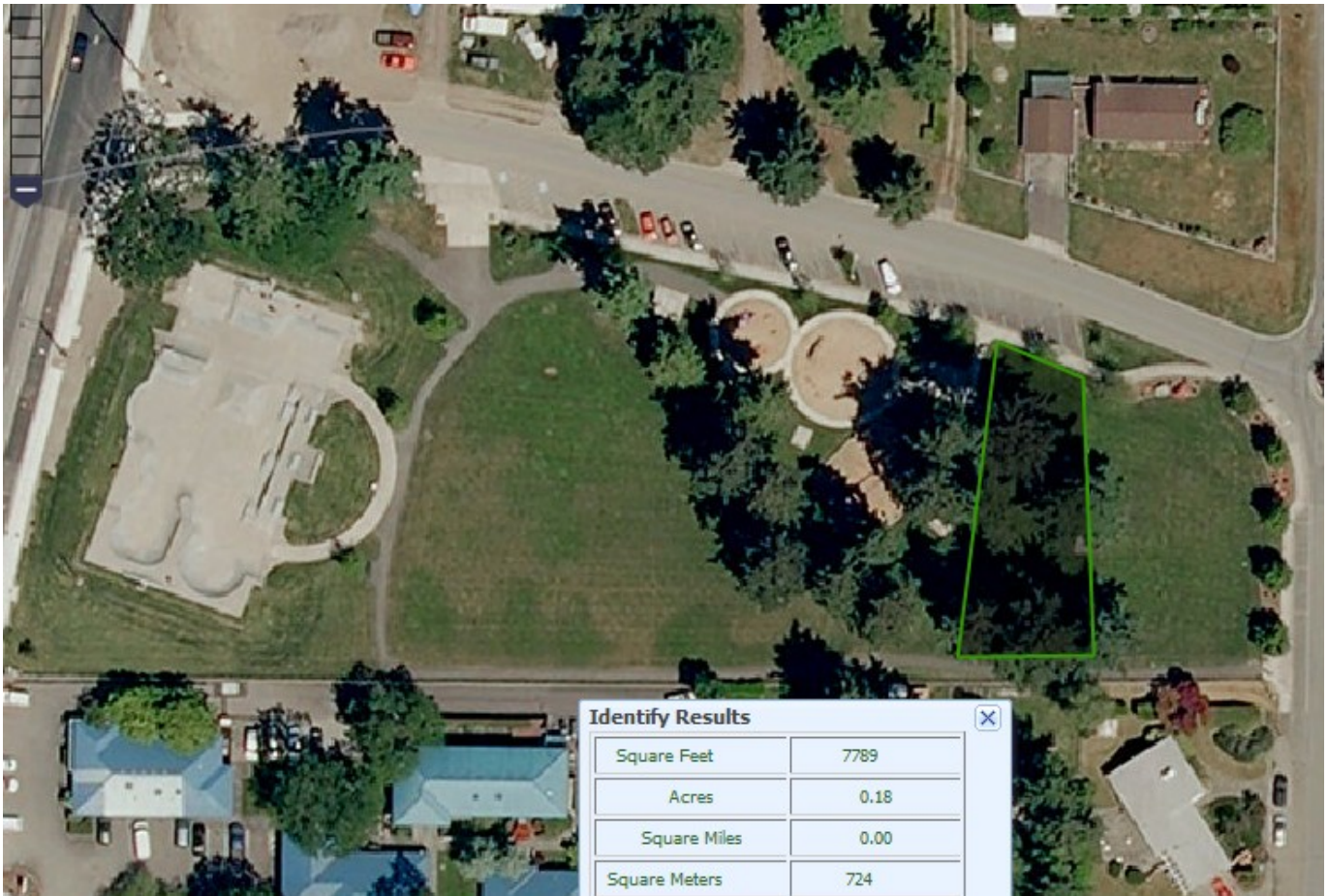


Within the outlined area:

- Excavate soil down one foot or until tree roots appear.
- Care will need to be taken around the tree roots
- Replace with clean soil
- Mulch area around tree and hydroseed the grass area

Kiwanis Park

6002 Fairlawn Dr SW Lakewood, WA

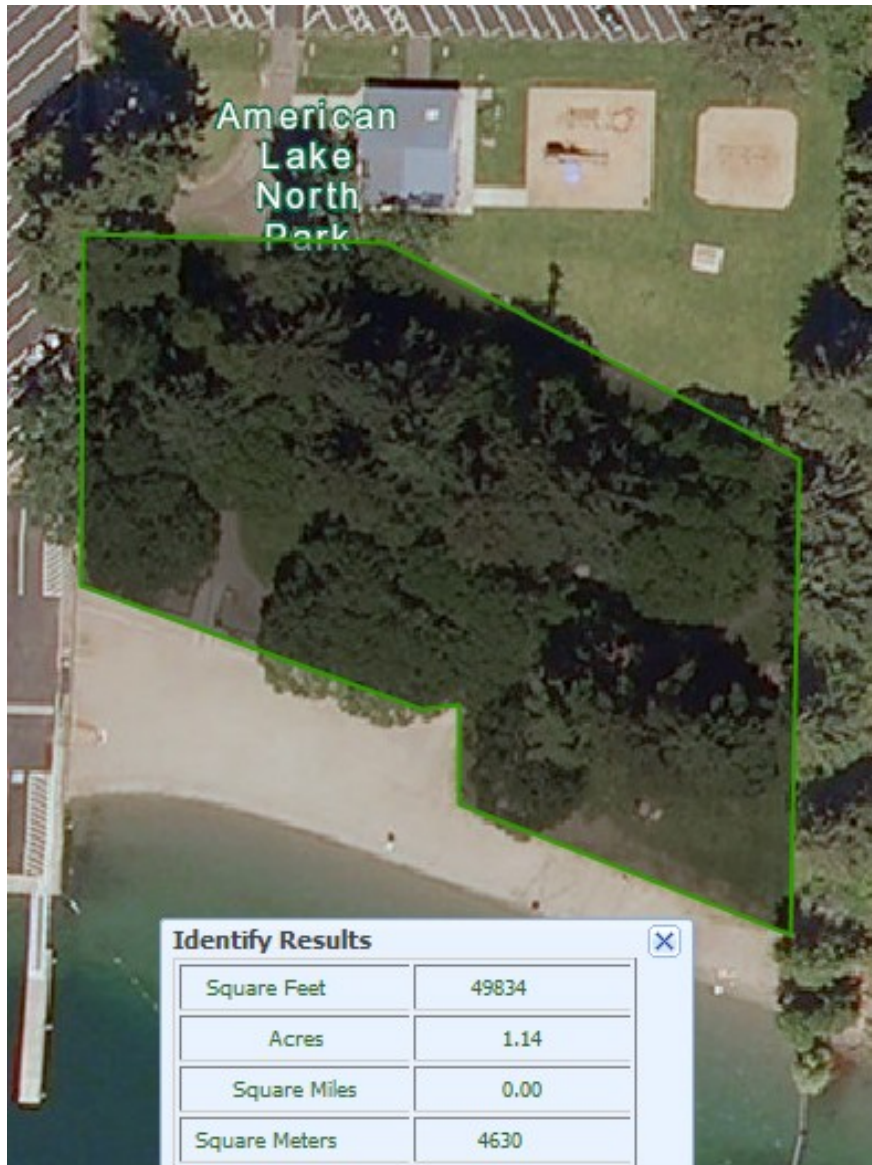


This park has two options:

1. Ecology recommends signage to increase awareness and promote the use of healthy actions or
2. Excavate and remove the contaminated soil in the area outlined above
 - Excavate soil down one foot or until tree roots appear.
 - Care will need to be taken around the tree roots
 - Replace with clean soil
 - Mulch area around tree and hydroseed the grass area

American Lake Park

9222 Veterans Dr SW Lakewood, WA 98498



In the outlined area

- Excavate soil down one foot or until tree roots appear.
- Care will need to be taken around the tree roots
- Replace with clean soil
- Mulch area around trees and hydroseed the grass areas
- Pathways will be left place and any irrigation will be worked around, if any damages occur the pathway or irrigation will be repaired.