

II Sampling and Analysis Plan Checklist

February 8, 2005

Site Name:	Schlueter Property	Section: Township: Range	18 27N 5E
Site Address	1515 196 th St SE	Ecology Facility Site ID	
City: County: State: Postal Code:	Bothell Snohomish WA 98012	ERTS	545943
Lat:			
Long:			

1. Site Summary:

1515 196th St. SE Bothell is located one-quarter mile west of the Bothell Everett Hwy. and less than 100 feet North East of North Creek, a year round creek which flows to the Sammamish River, and eventually to Lake Washington. The property is surrounded by rural/residential properties and is itself rural in appearance. The site consists of a red barn located on the western portion of the property. Close to the center of the property there is an open walled, covered, paved work area. The footprint of the pad, extends from under the cover 30-40 feet to the south. To the east of the pad is an enclosed production facility. On the east side of this production facility is a graded, graveled space approximately one half acres in size. The rest of the property is overgrown with high grass and scrub weeds.

On September 1, 2000, the Snohomish Health District (SHD) received a complaint concerning the possible dumping of oil and antifreeze into Thornton creek. The complaint also noted that contaminated soil had been brought from a Seattle shipyard to the northwest corner of the property.

Deanna Colon, of the SHD initially responded to the complaint. Colon noted considerable soil staining around the concrete pad and on the eastern, graded portion of the property. The complaint was, in turn, handed to Gary Hanada and Geoffrey Crofoot who conducted a routine site visit on September, 22, 2000.

Crofoot and Hanada confirmed soil staining on the northeast portion of the property. Dumping into Thornton Creek was not confirmed.

The staining appears to be leaked or spilled petroleum products. The stains account for approximately 20 square feet of contamination. Use of the Photoionization Detector (PID) at the time of the site visit did not indicate

elevated levels of Volatile Organic Compounds (VOC's.) & suspected pollutants in this area were heavy oils, diesel and potentially, metals.

On the western side of the property approximately 50-70 feet north of 196th SE Crofoot and Hanada noted imported piles of soil. The piles of soils can be clearly seen from 196th St. SE. At the time of the September 22, site visit, the soils appeared to have been in place for at least several years due to the degree of vegetation uniformly covering the top of the piles. Noted no stressed vegetation in this area.

Crofoot and Hanada spoke with the closest neighbor to the west that noted that in order to dump into the creek a person would have to access her property. She said would have probably seen suspicious activity since she is at home most of the time. She noted that the property in question had been used as a construction yard where machinery was stored.

No samples were taken at the time of inspection.

As a result of the inspection a letter was drafted and sent on November 3, 2000 to the property owner. The letter requested permission to re-access the property and take soil samples. On November 11, 2000 Jeral Stewart, a part owner responded to the letter by phone and stated that he did not want the SHD on his property. As a result, no samples were collected at the site.

Due to the lack of analytical evidence and the observed staining the SHD recommended to Ecology that the site be listed on the Suspected and Confirmed Contaminated Sites list.

2. Key Personnel Identified:

Geoffrey Crofoot -	Sampling, Recording and Decontamination.
Melissa Spencer -	Sampling, Recording and Decontamination

3. Request for Analysis Submitted:

Analysis has been pre-arranged with Edge Analytical, of 1151 Knudson Rd, Burlington WA 98233, (800) 755-9295

4. Sampling

February 9, 2005

Objectives:

- a. Obtain representative soil samples to establish, or confirm, identification/concentration of specific hazardous constituents;
- b. Document any contaminant release, as applicable (with reference to respective Model Toxics Control Act (MTCA) cleanup levels);
- c. Use data to assign WARM toxicity/release scoring values; or

- d. Document contaminant concentrations below applicable cleanup levels and use, with other site-specific considerations, to make a recommendation of "No Further Action" (NFA) for the site.

Method

The SHD plans to use collect 8 samples from around the concreted area.

The SHD plans to look for low areas where standing water may have occurred, stains, and areas of stressed vegetation. If found these areas will be sampled.

There will be two types of sample collection completed. Channel sample from 6 inches to 24 inches below the ground surface will be collected. Discrete samples will be collected where appropriate. Analysis will include, NWTPH Dx and metals (As, Cd, Cr, and Pb.). Simple jar packing methods will be used for the aforementioned analysis. Soil will be collected in 4oz glass jars and sealed with Teflon coated lids.

Sample locations will be photographed and a GPS unit will be used to determine the latitude and longitude of the location.

Locations:

See the attached site map for sample locations.

Types of Samples:

Sampling will consist of subsurface soil samples. Analysis of samples will consist of NWTPH-Dx and, metals (As, Cd, Cr, and Pb.).

Frequency of Sampling:

Sampling will occur 8 times with a maximum of 8 samples sent to edge for analysis.

Containers:

Samples will be collected using a disposable plastic scoop for the TPH and metals. Samples will be placed in 4 oz glass jars supplied by Edge Analytical. Samples will be sealed with Teflon coated lids.

Preservative:

Containers will be iced with double-bagged ice packets and stored in a cooler for export to the lab.

Equipment decontamination:

One-time use gloves will be disposed of in a plastic bag and added to the solid waste stream. Re-useable equipment will be scraped clean and cleaned on site with water pumped from an SHD vehicle.

5. Investigative Waste: There will likely be no investigational waste. Gloves and other disposable items will be removed from the site and disposed of in the solid waste stream. Soil will be removed from the site in the form of samples. A small volume of water used in decontamination of tools will be left at the site.
6. Site Specific Analytical Considerations: Sample locations and numbers of samples may change base on observations during the site visit.
7. Field Sample Data and Chain of Custody Sheet: These will be completed on site prior to sampling.
8. Laboratory QA/QC: All analysis will be done by Edge Analytical, of 1151 Knudson Rd, Burlington WA 98233, which is a certified lab in all parameters that will be requested.
9. Field QA/QC
 - Field Blanks
 - No transfer blanks will be used.
 - Split Samples:
 - No split samples will be conducted at this time.

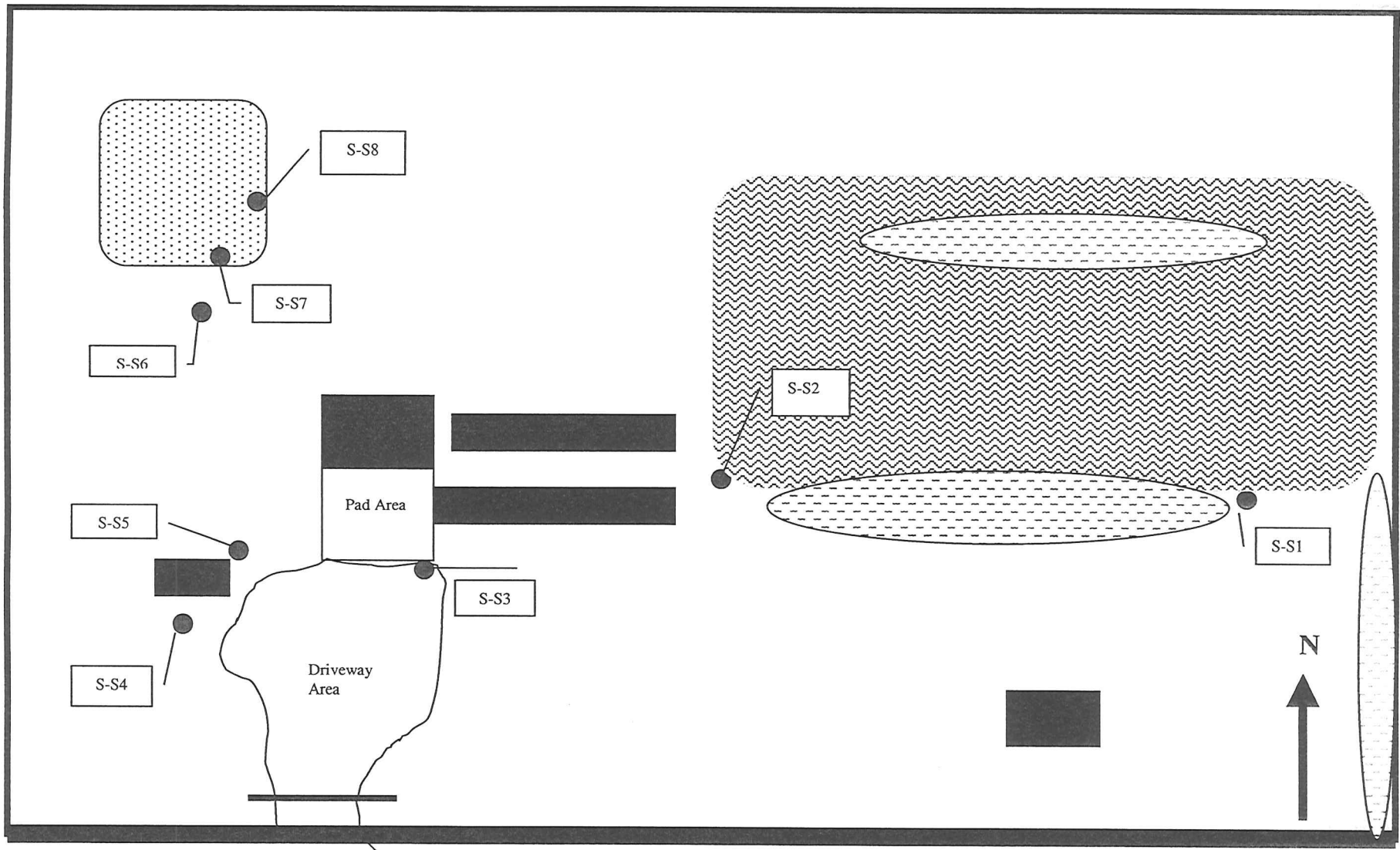


Figure 1
 Schlueter Property
 1515 196th Street SE
 February, 2005
 Snohomish Health District

