INITIAL INVESTIGATION FIELD REPORT

ERTS Number: 641341
Parcel #: 27101900102400
County: Snohomish
FS ID: 23508
CSID: 13039

SITE INFORMATION

Site Name (e.g., Co. name over door):	Site Address (including City and Zip+4):	Site Phone:
Index Sportsmen Club	49601 Old Goldbar Index Rd Index, WA 98256	N/A
Site Contact and Title: N/A	Site Contact Address (including City and Zip+4): N/A	Site Contact Phone: N/A
Site Owner: Mt Baker-Snoqualmie National Forest Joseph Neal, Ranger U.S.	Site Owner Address (including City and Zip+4): Skykomish Ranger District, 74920 NE Stevens Pass Hwy Skykomish, WA 98288	Site Owner Phone: 801-733-2685
Site Owner Contact: Joseph Gibbens On-Scene Coordinator USDA Forest Service	Site Owner Contact Address (including City and Zip+4): Pacific Northwest Region PO Box 3623 Portland, OR 97208-3623	Owner Contact Phone: 360-956-2352 503-808-2468 jfgibbens@fs.fed.us
Alternate Site Name(s): Index Shooting Range	Comments:	

Latitude (Decimal Degrees):	47.817133
Longitude (Decimal Degrees):	-121.566628

INSPECTION INFORMATION

Inspection Conducted? Yes ☒ No ☐ Date/Time: 5/23/13 1:00pm Entry Notice: Announced ☐ Unannounced ☒

Photographs taken? Yes ☒ No ☐

Samples collected? Yes ☐ No ☒ If *Yes*, be sure to include a figure/sketch showing sample locations.

RECOMMENDATION

No Further Action (Check appropriate box below):		**LIST on Confirmed and Suspected Contaminated Sites List**: ☒
Release or threatened release does not pose a threat	☐	
No release or threatened release	☐	
Refer to program/agency (Name:_____)	☐	
Independent Cleanup Action Completed (i.e., contamination removed)	☐	

COMPLAINT (Brief Summary of ERTS Complaint):

Snohomish Health District (SHD) was informed about lead contamination found at the former site of the Index Sportsman Club and BNSF Railway property.

CURRENT SITE STATUS (Brief Summary of why Site is recommended for Listing or NFA):

The Index Sportsmen Club (Site) is located in the Mt. Baker/Snoqualmie National Forest. This cleanup project is being undertaken by the United States Forest Service (USFS) pursuant to its CERCLA response authorities as set forth at 42 U.S.C. Sec. 9604(a), 7 C.F.R. 2.60(a)(39) and Executive Order 12580, according to Joseph Gibbens in his letter of July 8th, 2013. Their data shows lead and arsenic were found in soil above MTCA cleanup levels. Lead was found as high as 58100 mg/kg. Although the USFS is taking lead on cleanup, we recommend that this site be listed on the Washington Department of Ecology's CSCS List.

Investigator: Mike Young Date Submitted: 8/27/2013

OBSERVATIONS

Description (please be sure to include the following: site observations, site features and cover, chronology of events, sources/past practices likely responsible for contamination, presence of water supply wells and other potential exposure pathways, etc.):

This USFS property is 37 acres, with a 3.9 acre grass area surrounded by trees located in the NE ¼ of Sec 19, T27N, R10E. When the USFS required the gun club vacate the property, they had the gun club remove all buildings and other material from the site. The only objects remaining on the site are three monitoring wells. The location of the baseball diamond and shooting range can still be seen because of the soil disturbance and clay pigeons fragments that litter the ground. See photo attached.

The adjoining property to the west is Washington State Park Land. The adjoining property to the north is BNSF railroad. The city limits are defined by the east property line. The adjoining property to the south is a public trail owned by the town of Index. The site is not fenced, but has a gate at the entrance. The gate is marked "No camping", but there are no other restrictions for anyone to walking on the site. See photo attached.

- The shooting range has operated since 1947.
- The Club held various Special Use Permits (permits) through 1987 when their most recent permit expired.
- The USDA Forest Service closed the site in 2004 and told the club they were not authorized to operate due to the absence of valid permit and lead management, or any knowledge of lead levels.
- In 2006 the Index Sportsmen Club submitted a letter to the Forest Service stating that they wished to continue operation of the existing facilities as a public target range.
- Forest Service installed groundwater monitoring wells and began to conduct soil and groundwater sampling.
- The permit process began in 2007 and was open for public comment.
- In 2009 the USDA Forest Service authorized, for a term of one year, the temporary use of approximately 7.5 acres of NFS land for a public shotgun trap range exclusively for the purpose of Amateur Trap Association (ATA) standard trap, with many conditions, including the implementation of a lead management and monitoring program.
- The USFS provided soil sample data, which was collected in 2003, 2004 and 2011. These data show lead and arsenic in soil were found above MTCA cleanup levels. Lead was found as high as 58,100 mg/kg at TA-SSS-14 2/12/2004. Arsenic was found above the MTCA Method A cleanup level of 20 mg/kg in 19 of 23 samples in 2003 and 2004. The highest sample was 111 mg/kg at TA-SSS-15 2/12/2004. Arsenic was not tested again in 2011.

  Soil contamination may extend off USFS property to the north, but is difficult to tell because the map of sample locations did not show the property line. Although 5 samples obviously collected on railroad property were below MTCA cleanup levels, three samples collected close to the north property line were elevated.

  There were also groundwater data provided, where samples were collected in 2006 and 2011. Although well MW-1 show detections of lead in 2006, these levels were below MTCA Method A cleanup level of 5 ug/L. The groundwater wells were not tested for metals after 2006. However, the wells were tested for PAH's in 2011, with Pyrene said to be above MTCA Method A cleanup level of 0.1 ug/L. However, the CLARK database show Pyrene Method A to be Researched-No Data and results are well below other method standards. It was noted that the report did not include groundwater flow direction.

Reference:

The USDA Forest Service 2009 Decision Memo.
http://a123.g.akamai.net/7/123/11558/abc123/forestservic.download.akamai.com/11558/www/nepa/44439_FSPLT1_019645.pdf

http://www.heraldnet.com/article/20090926/NEWS01/709269923

Letter and results attached from Joseph Gibbens in his letter of July 8th, 2013.

(fill in contaminant matrix below with appropriate status choice from the key below the table)

CONTAMINANT GROUP	CONTAMINANT	*SOIL*	*GROUNDWATER*	*SURFACE WATER*	*AIR*	*BEDROCK*	DESCRIPTION
Non-Halogenated Organics	Phenolic Compounds						Compounds containing phenols (Examples: phenol; 4-methylphenol; 2-methylphenol)
	Non-Halogenated Solvents						Organic solvents, typically volatile or semi-volatile, not containing any halogens. To determine if a product has halogens, search HSDB (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) and look at the Chemical/Physical Properties, and Molecular Formula. If there is not a Cl, I, Br, F in the formula, it's not halogenated. (Examples: acetone, benzene, toluene, xylenes, methyl ethyl ketone, ethyl acetate, methanol, ethanol, isopropranol, formic acid, acetic acid, stoddard solvent, Naptha). *Use this when TEX contaminants are present independently of gasoline.*
	Polynuclear Aromatic Hydrocarbons (PAH)	S	S				Hydrocarbons composed of two or more benzene rings.
	Tributyltin						The main active ingredients in biocides used to control a broad spectrum of organisms. Found in antifouling marine paint, antifungal action in textiles and industrial water systems. (Examples: Tributyltin; monobutyltin; dibutyltin)
	Methyl tertiary-butyl ether						MTBE is a volatile oxygen-containing organic compound that was formerly used as a gasoline additive to promote complete combustion and help reduce air pollution.
	Benzene						Benzene
	Other Non-Halogenated Organics						Other Non-Halogenated Organics (Example: Phthalates)
	Petroleum Diesel						Petroleum Diesel
	Petroleum Gasoline						Petroleum Gasoline
	Petroleum Other						Crude oil and any fraction thereof. Petroleum products that are not specifically Gasoline or Diesel.
Halogenated Organics (see notes at bottom)	PBDE						Polybrominated di-phenyl ether
	Other Halogenated Organics						Other organic compounds with halogens (chlorine, fluorine, bromine, iodine). search HSDB (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) and look at the Chemical/Physical Properties, and Molecular Formula. If there is a Cl, I, Br, F in the formula, it is halogenated. (Examples: Hexachlorobutadiene; hexachlorobenzene; pentachlorophenol)
	Halogenated solvents						Solvents containing halogens (Halogen is typically chlorine, but can also be fluorine, bromine, iodine), and their breakdown products (Examples: Trichloroethylene; Tetrachloroethylene (aka Perchloroethylene); TCE; TCA; trans and cis 1,2 dichloroethylene; vinyl chloride)
	Polychlorinated Biphenyls (PCB)						Any of a family of industrial compounds produced by chlorination of biphenyl, noted primarily as an environmental pollutant that accumulates in animal tissue with resultant pathogenic and teratogenic effects
	Dioxin/dibenzofuran compounds (see notes at bottom)						A family of more than 70 compounds of chlorinated dioxins or furans. (Examples: Dioxin; Furan; Dioxin TEQ; PCDD; PCDF; TCDD; TCDF; OCDD; OCDF). *Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatile organics analysis 8270*
Metals	Metals - Other						Metals other than arsenic, lead, or mercury. (Examples: cadmium, antimony, zinc, copper, silver)
	Lead	C	S				Lead
	Mercury						Mercury
	Arsenic	C	S				Arsenic
Pesticides	Non-halogenated pesticides						Pesticides without halogens (Examples: parathion, malathion, diazinon, phosmet, carbaryl (sevin), fenoxycarb, aldicarb)
	Halogenated pesticides						Pesticides with halogens (Examples: DDT; DDE; Chlordane; Heptachlor; alpha-beta and delta BHC; Aldrin; Endosulfan, dieldrin, endrin)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	BEDROCK	DESCRIPTION
Other Contaminants	Radioactive Wastes						Wastes that emit more than background levels of radiation.
	Conventional Contaminants, Organic						Unspecified organic matter that imposes an oxygen demand during its decomposition (Example: Total Organic Carbon)
	Conventional Contaminants, Inorganic						Non-metallic inorganic substances or indicator parameters that may indicate the existence of contamination if present at unusual levels (Examples: Sulfides, ammonia)
	Asbestos						All forms of Asbestos. Asbestos fibers have been used in products such as building materials, friction products and heat-resistant materials.
	Other Deleterious Substances						Other contaminants or substances that cause subtle or unexpected harm to sediments (Examples: Wood debris; garbage (e.g., dumped in sediments))
	Benthic Failures						Failures of the benthic analysis standards from the Sediment Management Standards.
	Bioassay Failures						For sediments, a failure to meet bioassay criteria from the Sediment Management Standards. For soils, a failure to meet TEE bioassay criteria for plant, animal or soil biota toxicity.
Reactive Wastes	Unexploded Ordinance						Weapons that failed to detonate or discarded shells containing volatile material.
	Other Reactive Wastes						Other Reactive Wastes (Examples: phosphorous, lithium metal, sodium metal)
	Corrosive Wastes						Corrosive wastes are acidic or alkaline (basic) wastes that can readily corrode or dissolve materials they come into contact with. Wastes that are highly corrosive as defined by the Dangerous Waste Regulation (WAC 173-303-090(6)). (Examples: Hydrochloric acid; sulfuric acid; caustic soda)

Status choices for contaminants	
Contaminant Status	**Definition**
B - Below Cleanup Levels (Confirmed)	The contaminant was tested and found to be below cleanup levels. (Generally, we would not enter each and every contaminant that was tested; for example if an SVOC analysis was done we would not enter each SVOC with a status of "below". We would use this for contaminants that were believed likely to be present but were found to be below standards when tested
S - Suspected	The contaminant is suspected to be present; based on some knowledge about the history of the site, knowledge of regional contaminants, or based on other contaminants known to be present
C - Confirmed Above Cleanup Levels	The contaminant is confirmed to be present above any cleanup level. For example - above MTCA method A, B, or C; above Sediment Quality Standards; or above a presumed site-specific cleanup level (such as human health criteria for a sediment contaminant).
RA - Remediated - Above	The contaminant was remediated, but remains on site above the cleanup standards (for example - capped area).
RB - Remediated - Below	The contaminant was remediated, and no area of the site contains this contaminant above cleanup standards (for example - complete removal of contaminated soils).

Halogenated chemicals and solvents: Any chemical compound with chloro, bromo, iodo or fluoro is halogenated; those with eight or fewer carbons are generally solvents (e.g. halogenated methane, ethane, propane, butane, pentane, hexane, heptane or octane) and may also be used for or registered as pesticides or fumigants. Most are dangerous wastes, either listed or categorical. Organic compounds with more carbons are almost always halogenated pesticides or a contaminant or derivitive. Referral to the HSDB is recommended you are unfamiliar with a chemical name or compound, as it contains useful information about synonyms, uses, trade names, waste codes, and other regulatory information about most toxic or potentially toxic chemicals.

Dibenzodioxins and dibenzofurans are normalized to a combined equivalent toxicity based on 2,3,7,8-tetrachloro-p-dibenzodioxin as set out in Ch. 173-340-708(8)(d) and in the Evaluating the Toxicity and Assessing the Carcinogenic Risk of Environmental Mixtures using Toxicity Equivalency Factors Focus Sheet (https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf). Results may be reported as individual compounds and isomers (usually lab results), or as a toxic equivalency value (reports).

FOR ECOLOGY II REVIEWER USE ONLY (For Listing Sites):

How did the Site come to be known: ☐ **Site Discovery (received a report):** _____ (Date Report Received)
☐ **ERTS Complaint**
☒ **Other (please explain):** _____

Does an Early Notice Letter need to be sent: ☒ Yes ☐ No
If *No*, please explain why: _____

NAICS Code (if known): _____
Otherwise, briefly explain how property is/was used (i.e., gas station, dry cleaner, paint shop, vacant land, etc.):
_____

Site Unit(s) to be created (Unit Type): ☒ Upland (includes VCP & LUST) ☐ Sediment
If multiple Units needed, please explain why: _____

Cleanup Process Type (for the Unit): ☐ No Process ☐ Independent Action
☐ Voluntary Cleanup Program ☐ Ecology-supervised or conducted
☒ Federal-supervised or conducted

Site Status: ☐ Awaiting Cleanup ☐ Construction Complete – Performance Monitoring
☒ Cleanup Started ☐ Cleanup Complete – Active O&M/Monitoring
☐ No Further Action Required

Site Manager (Default: Donna Musa): Donna Musa

Specific confirmed contaminants include:

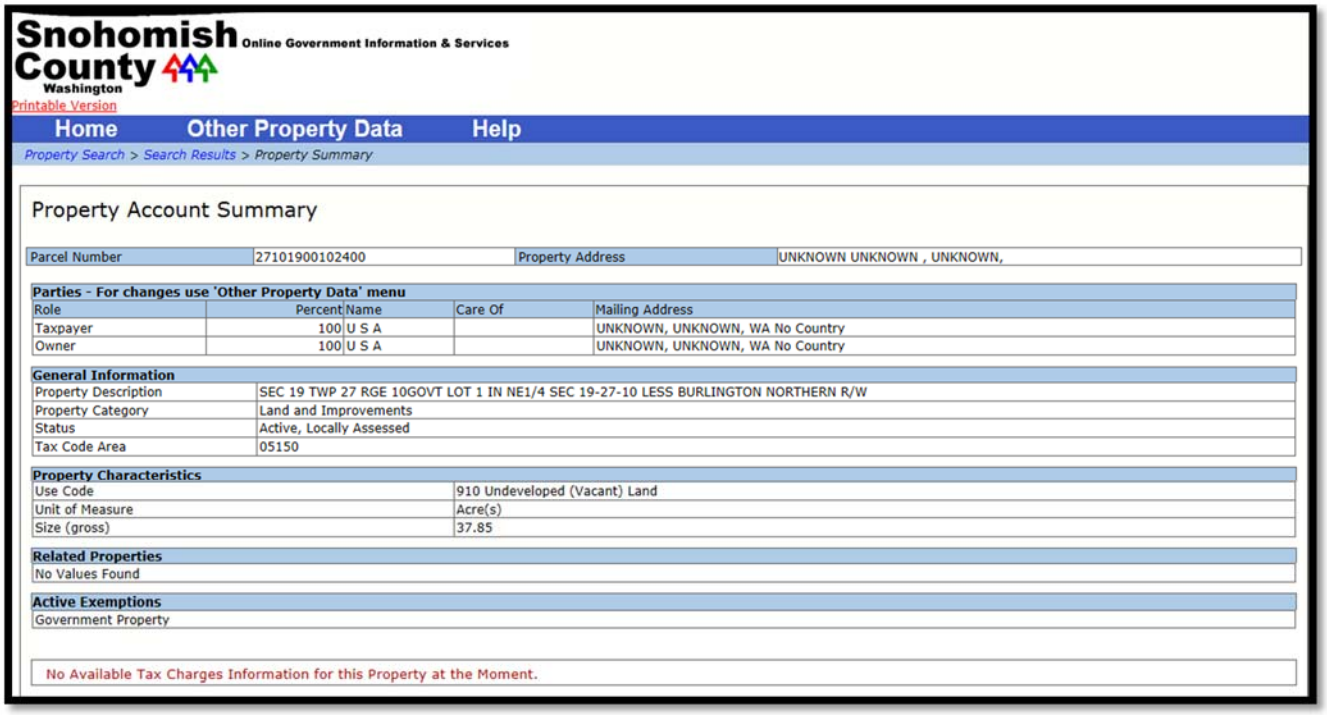
Lead, Arsenic in Soil

_____ in Groundwater

_____ in Other (specify matrix: _____)

Facility/Site ID No. (if known):
23508
Cleanup Site ID No. (if known):
13039

COUNTY ASSESSOR INFO: Please attach to this report a copy of the tax parcel/ownership information for each parcel associated with the site, as well as a parcel map illustrating the parcel boundary and location.



Snohomish County Washington — Online Government Information & Services

Printable Version

Home | Other Property Data | Help

Property Search > Search Results > Property Summary

Property Account Summary

Parcel Number	27101900102400	Property Address	UNKNOWN UNKNOWN , UNKNOWN,

Parties - For changes use 'Other Property Data' menu

Role	Percent	Name	Care Of	Mailing Address
Taxpayer	100	U S A		UNKNOWN, UNKNOWN, WA No Country
Owner	100	U S A		UNKNOWN, UNKNOWN, WA No Country

General Information

Property Description	SEC 19 TWP 27 RGE 10GOVT LOT 1 IN NE1/4 SEC 19-27-10 LESS BURLINGTON NORTHERN R/W
Property Category	Land and Improvements
Status	Active, Locally Assessed
Tax Code Area	05150

Property Characteristics

Use Code	910 Undeveloped (Vacant) Land
Unit of Measure	Acre(s)
Size (gross)	37.85

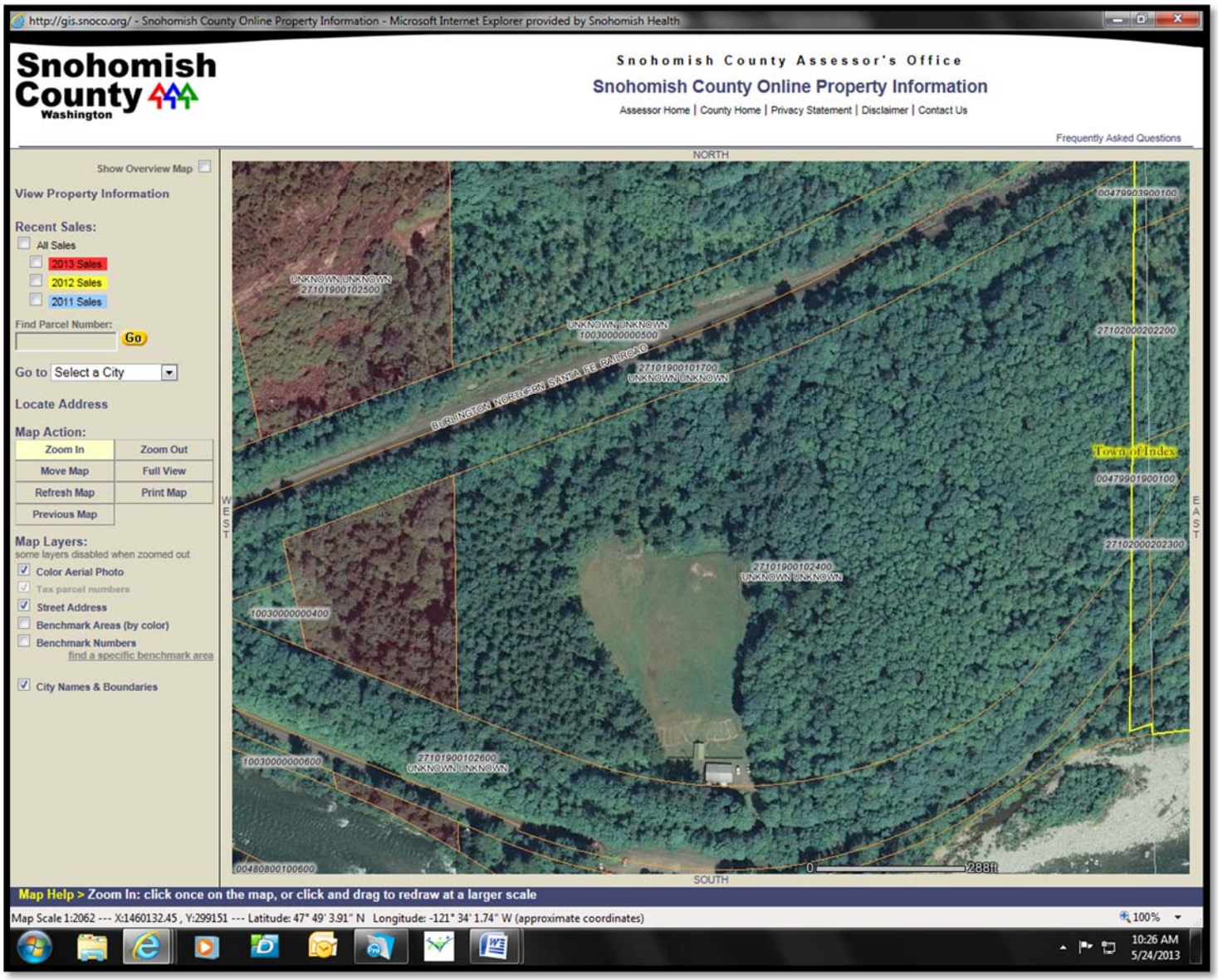
Related Properties

No Values Found

Active Exemptions

Government Property

No Available Tax Charges Information for this Property at the Moment.


http://gis.snoco.org/ - Snohomish County Online Property Information - Microsoft Internet Explorer provided by Snohomish Health
Snohomish County
Washington
Snohomish County Assessor's Office
Snohomish County Online Property Information
Assessor Home | County Home | Privacy Statement | Disclaimer | Contact Us
Frequently Asked Questions
Show Overview Map
View Property Information
Recent Sales:
All Sales
2013 Sales
2012 Sales
2011 Sales
Find Parcel Number:
Go
Go to Select a City
Locate Address
Map Action:
Zoom In
Zoom Out
Move Map
Full View
Refresh Map
Print Map
Previous Map
Map Layers:
some layers disabled when zoomed out
Color Aerial Photo
Tax parcel numbers
Street Address
Benchmark Areas (by color)
Benchmark Numbers
find a specific benchmark area
City Names & Boundaries
NORTH
WEST
EAST
SOUTH
00479903900100
UNKNOWN UNKNOWN
27101900102500
UNKNOWN UNKNOWN
10030000000500
27102000202200
27101900101700
UNKNOWN UNKNOWN
BURLINGTON NORTHERN SANTA FE RAILROAD
Town of Index
00479901900100
27102000202300
27101900102400
UNKNOWN UNKNOWN
10030000000400
10030000000600
27101900102600
UNKNOWN UNKNOWN
00480800100600
0
288ft
Map Help > Zoom In: click once on the map, or click and drag to redraw at a larger scale
Map Scale 1:2062 --- X:1460132.45 , Y:299151 --- Latitude: 47° 49' 3.91" N Longitude: -121° 34' 1.74" W (approximate coordinates)
100%
10:26 AM
5/24/2013

Photograph of gate for access to the site, taken from adjacent public trail south of the site owned by the town of Index;
by Mike Young 8/27/2013

Photograph of clay pigeons fragments that litter the ground by Mike Young 8/27/2013