

# Baxter North Woodwaste Landfill



SHARP Report — Part 1 of 2

[Go to site contamination history](#)

• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	731482
• SHARP date	06/11/2024		CSID	17113
• EJFlagged?	✓ – No Override		FSID	6512294
• LD confidence level	low		VCP	none
• Cleanup milestone	initial investigation		UST ID	none
• SHARPster	Tim O'Connor		LUST ID	none

This section is blank if this is the first SHARP	

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	high	multiple chemical types	✓
Groundwater	C1	high	risk to off-site people	✓
Surface water	D4	high	climate change impacts	✓
Sediment	D4	high	plant/animal tissue data	⊘
Soil	B2	medium		

Location and land use info	
NW of 67th Ave NE & 197th St NE, Arlington, Snohomish County, 98223	
Primary parcel	31051500100900
Land use	other
Responsible unit	Solid Waste

Sources reviewed
2009-2022 Annual Baxter North Woodwaste Landfill Groundwater Reports, April 3, 2020
"Eastern Extent of Wood Waste for North Landfill" TM, November 1987 "Hydrogeologic Report" (on CSID 4768 by mistake), and December 17, 2009 Landau "Groundwater and Soil/Solids Investigation" for Pacific Topoils potential property transfer.

Primary census tract	Associated census tracts
53061053509	none

**Local demographics comments**

The Baxter North Landfill and Baxter South Landfill are located in the same census tract; the North Landfill is 4,000 feet north of the South Landfill. Identical EJ data are used for the two landfills.

**Source/source area description**

The Baxter North Woodwaste Landfill is located on 8.58-acre parcel northwest of the intersection of 197th St NE and 67th Ave NE. The disposal of woodwaste from the JH Baxter Arlington wood treating facility began prior to 1970. The unlined landfill was constructed within a former gravel pit and was closed with a 2-foot soil cover. No gas monitoring probes exist around the landfill. Groundwater beneath the landfill flows northwest in the shallow recessional sand and gravel aquifer. Published data suggest the sand and gravel deposits may be over 100-feet thick. A residential mobile home park is located north adjacent to the landfill property, whereas light industrial properties are located west, south, and east adjacent to the landfill parcel.

**Soil comments**

See overflow info.

**Groundwater comments**

According to the Hydrogeologic Report, nine private domestic wells were located within 2,000 feet downgradient of the landfill in 1986. Three of the domestic wells were in the mobile home park area. These three wells do not appear on TCP Maps or the WA Souce Water Assessment Program website, however there are many downgradient wells in the area including the Porschel & Schultz well, the Arlington Cemetery well, and the Larson, L Group A well (inactive). The landfill is about 2.2 miles south of the Group A Marysville Utilites Well (ID 51900) and about 1,500 feet south of the 10-year time of travel mapped on the Washington

**Surface water comments**

Portage Creek is located approximately 1,200 feet northwest of the landfill. Portage Creek Wildlife Reserve is northwest of the creek. Portage Creek discharges to the Stillaguamish River.

**Sediment comments**

no comments

**Indoor air comments**

no comments

**Additional factors comments**

no comments

### Site history

[Go to top](#)

The concentrations of arsenic and manganese exceed MTCA Method B groundwater cleanup levels downgradient of the landfill in well BXN-1 along the northwest property boundary. The concentrations of dissolved arsenic ranged from less than 20 to 27 ug/L in 2022, but were detected as high as 51 ug/L in 2019. The concentrations of dissolved manganese ranged from 5,120 to 6,870 ug/L in 2022.

The 2009 Landau soil/groundwater/woodwaste thickness evaluation report (GW TPH-HCID, VOCs, PAHs, and pentachlorophenol - no metals in GW) documents trichloroethene at 2.1 ug/L in upgradient well BXN-4 and pentachlorophenol at 1.5 ug/L in downgradient well BXN-3.

Snohomish County Health Department issues a landfill permit for the landfill under WAC 173-304. Ecology's Solid Waste Management (SWM) program provides technical assistance to the health department.

The current property owner purchased the property in 2017. The property owner intended to excavate the wood waste, but his plans have changed and review of the contamination is now necessary.

The landfill is about 2.2 miles south of the Group A Marysville Utilites Well (ID 51900). The landfill is about 1,500 feet south of the 10-year time of travel mapped on the Washington Department of Health's Source Water Assessment Program (SWAP) Mapping Application. Groundwater flows northwest from the landfill, and the Group A well appears to be due north of the landfill. Several other domestic wells may be in use downgradient of the landfill, but the three wells in the mobile home park do not appear to be in use anymore.

Portage Creek Wildlife Preserve is downgradient of the landfill.

### Overflow - Site contamination and cleanup history

From Soil tab: The landfill has a 2 foot soil cover, which extends to the property boundary on most sides. When test pitting was conducted in two separate investigations it is not clear if materials were spread on the landfill cover or if the cover was replaced where disturbed. Soil samples are typically not required under the solid waste regulations, however the 2009 Landau report for a property transfer included soil samples detected as follows: TPH-O 810 mg/kg in TP-3, Phenol 130 ug/kg; 3 & 4 Methylphenol 770 ug/kg; naphthalene 150 ug/kg; di-n-butyl phthalate 340 ug/kg; pentachlorophenol 0.075 mg/kg; barium 84 mg/kg; total chromium 41 mg/kg; lead 19 mg/kg; and mercury 0.03 mg/kg. None of the soil samples were above the MTCA Method A or B CULs at the time of the investigation according to the Landau report (except TPH-O).

## Baxter North Woodwaste Landfill

17113 Baxter North Woodwaste Landfill 20240611

First SHARP

SHARP rating — Low

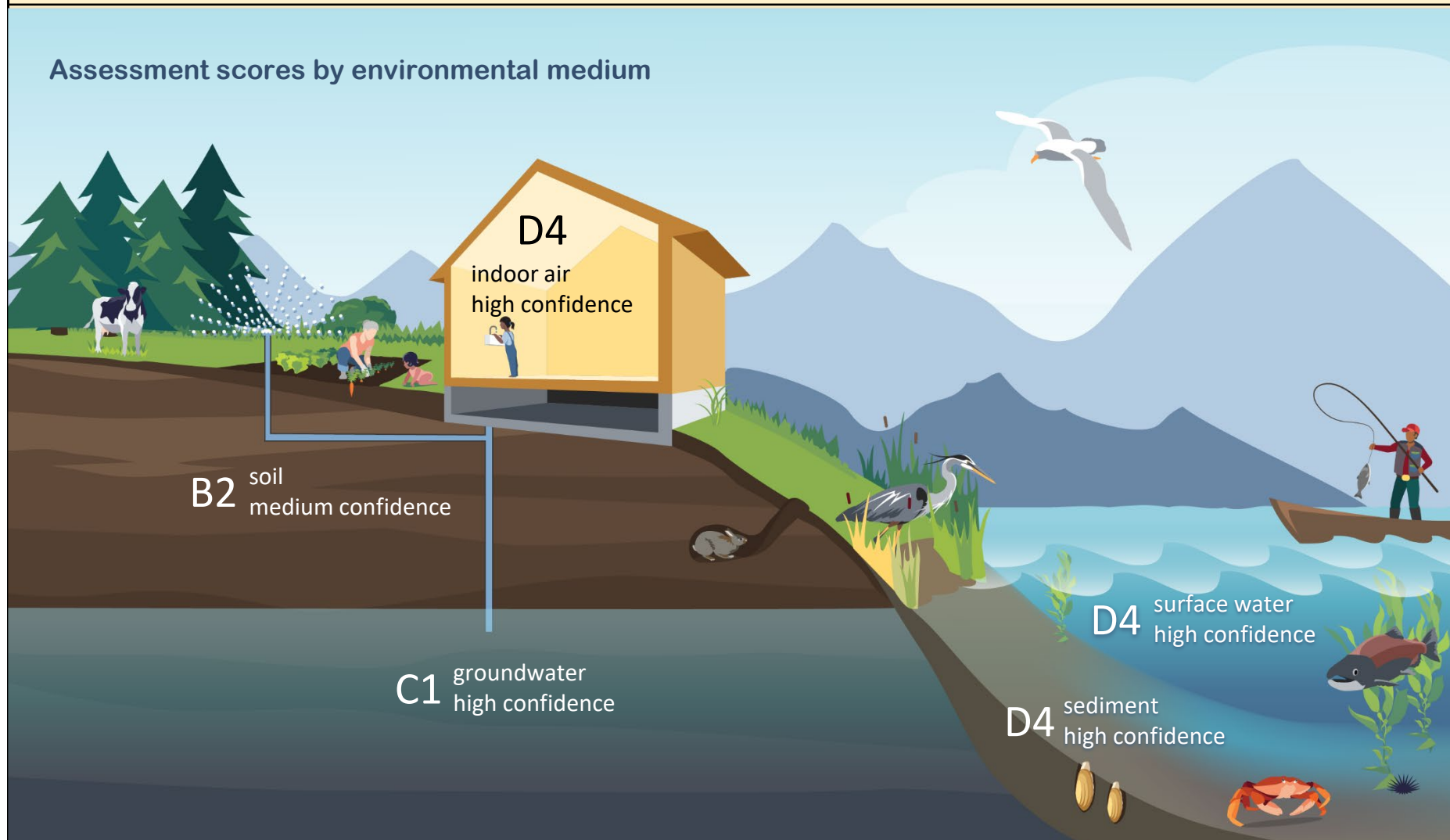
## SHARP Report — Part 2 of 2

Conceptual site model

06/11/2024



### Assessment scores by environmental medium



# Welcome to the SHARP Tool

Version: v2024.04.29



The SHARP Tool is the Department of Ecology's site assessment procedure required by RCW 70A.305.030(2)(b) and regulated by chapter 173-340 WAC. The SHARP Tool supports meaningful decision making for sites that pose an exposure risk to people and other living things and plays a key role in how Ecology focuses on improving environmental equity under the HEAL Act of 2021.

Ratings rely on scores from assessing risks of potential chemical exposure and severity in soil, groundwater, surface water, sediment, and indoor air. These assessments inform an overall SHARP rating of low, medium, high, or critical. Exposure and severity risks can be re-assessed over time as site cleanups progress and as new information becomes available. The current Microsoft Excel format supports a planned conversion into an online application and is intended for internal Ecology use only.

## SHARP Tool Structure

Tabs	Page and purpose
------	------------------

Together, the following two sheets comprise a SHARP Report.

Part1	SHARP Report Part 1: text summary
Part2	SHARP Report Part 2: site conceptual model
Welcome	This page: describes the layout of the SHARP Tool

The SHARPster enters information on **only** these two pages.

Info	Site Info: collects readily available, site-specific information
LD	Local Demographics: state-only local demographics data from federal and state sources

Answer questions on these five sheets to generate five environmental media scores.

SL	Soil
GW	Groundwater
SW	Surface Water
SD	Sediment
IA	Indoor Air
AF	Additional Factors — collects useful, non-scoring site information

ChemTox is a list of chemicals and relevant information from the CLARC database.

ChemTox	Chemical Toxicity Reference Table
---------	-----------------------------------

## SHARP Tool Support

SHARP Manual	The companion SHARP Manual helps users answer questions in the SHARP Tool, navigate online information sources to collect information.
--------------	--