

MARYSVILLE WA 98270

Geographic Information

Ecology Region: NWRO Legislative District: 38 WRIA: 7
County: Snohomish Congressional District: 2 Tribal Land: No

Ecology Interactions

Interaction Description	Ecology Program	Ecology Program Phone	Program ID	Start Date	End Date
State Cleanup Site	TOXICS	(360) 407-7224		2/4/1999	

Industrial Codes (External Links Below)

NAICS Code	NAICS Description	SIC Code	SIC Description
<u>8123</u>	Drycleaning and Laundry Services	<u>721</u>	LAUNDRY, CLEANING, & GARMENT SERVICE

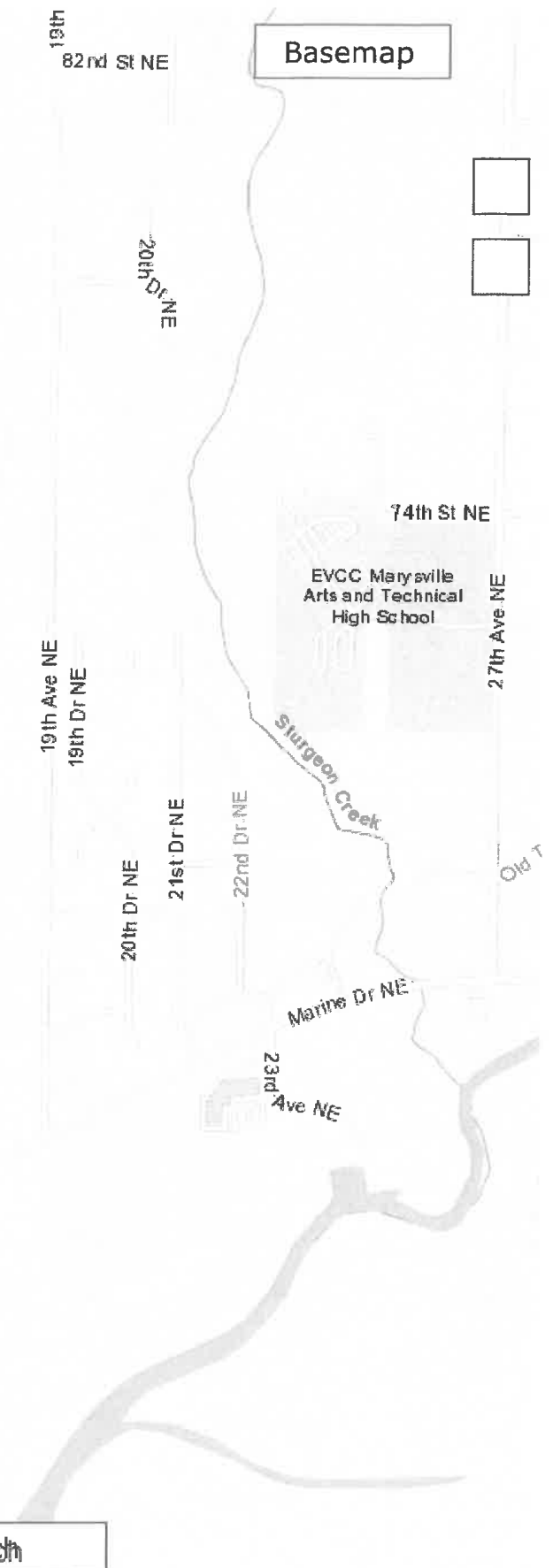
What's In My Neighborhood

[Help](#)
[Legend](#)
[Home](#)

10 cleanup sites within 0.5 mile
 - Hide Table -

[Export Data](#)
[Filter Records](#)
[Filter Results](#)

Site Name	Site Status
PDQ LAUNDRY ROOM	Awaiting Cleanup
Marysville ERC	NFA
UNOCAL 4196	Cleanup Started
Jackpot 156	NFA
Safeway Plaza	Cleanup Started
Exxon 77071	Cleanup Started
MARYSVILLE RENTALS	NFA
SYSTEMS III DETAILING	Cleanup Started
Captain Dizzy Exxon	NFA
Eastbury Salvage	Tracked by EPA



Cleanup Site Details

Cleanup Site ID: 2817

Cleanup Site ID: 2817 Facility/Site ID: 11747135 UST ID: N/A [Site Page](#) [Site Documents](#) [View Map](#)
 Cleanup Site Name: PDQ LAUNDRY ROOM [Glossary](#)
 Alternate Names: PDQ LAUNDRY ROOM

LOCATION

Address: 1048 STATE AVE City: MARYSVILLE Zip Code: 98270 County: Snohomish
 Latitude: 48.05871 Longitude: -122.17575 WRIA: 7 Legislative District: 38 Congressional District: 2 TRS: 30N 5E 28

DETAIL

Status: Awaiting Cleanup NFA Received? No Is PSI site? No
 Statute: MTCA NFA Date: N/A Current VCP? No Past VCP? No
 Site Rank: 5 - Lowest Assessed Risk NFA Reason: N/A Brownfield? No
 Site Manager: Northwest Region Responsible Unit: Northwest Active Institutional Control? No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
PDQ LAUNDRY ROOM	Upland	Awaiting Cleanup	NW	Northwest Region	No Process

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
There are no current Institutional Controls in effect for this site.						

AFFECTED MEDIA & CONTAMINANTS

MEDIA

Contaminant	Soil	Groundwater	Surface Water	Sediment	Air	Bedrock
Halogenated Organics	S	C				

Key:
 B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
 S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
Initial Investigation / Federal Preliminary Assessment	Completed		5/6/1998
Site Discovery/Release Report Received	Completed		5/6/1998
Early Notice Letter(s)	Completed		7/6/1999
Site Hazard Assessment/Federal Site Inspection	Completed	10/4/2001	10/30/2002
Hazardous Sites Listing/NPL	Completed		10/30/2002

CSID 2817

WORKSHEET 1 SUMMARY SCORE SHEET

Note: This document currently has no provision for sediment route scoring.

Site Name: PDQ Laundry Room
Site Location: 1048 A State Street, Marysville, Washington
County: Snohomish **Section:** 28 **Township** 30 **Range** 05
Ecology Facility Site ID: 11747135

Score Sheet for Site Register listing of February 26, 2002.

Site Description (Include management areas, compounds of concern, and quantities):

The PDQ Laundry Room site is located at 1048 A State Street in Marysville. It is situated in a commercial setting on the south end of State Avenue between 10th Street and Grove Street. The property consists of a one-story building that is served by public sewer, water and power. The building covers an area of approximately 16,950 square feet. The property is completely paved with parking spaces on the west side of the building. There is a storm water drain behind the building.

The property is zoned B for general commercial. PDQ Laundry Room is located in the south end of the building. Other businesses in the complex include Gold's Gym, Jesus is Lord Life Tabernacle, and Anna's Family Flowers. To the south of the property are businesses and residential homes and to the north is Strawberry Lanes. East of property is a proposed skateboard park.

Assessor's records show that in February 3, 1969 there was dry cleaning operation in the back of the coin-operated laundry. Partitions were added to form two offices, equipment room, and a dry cleaning section. The dry cleaning operation is no longer part of the laundry facility.

On October 27, 1997 Pinnacle GeoSciences completed the groundwater monitoring report for Time Oil Co. The Time Oil Co. property is located at 1034 State Avenue, which is adjacent and southwest of PDQ Laundry. Jackpot Food Mart and Arco Service Station are situated on Time Oil Co. property.

According to the report, groundwater samples from the Time Oil Co. Property were collected and analyzed since July 1992. It was reported that groundwater flow is southwest. Groundwater data revealed that the monitoring wells on Time Oil property are downgradient from the laundry facility. Furthermore, a Ground Water Surface Elevation Contour Map indicates that the contaminated monitoring wells are upgradient from the gas station. Therefore, it is suggested that the contamination may be coming from PDQ Laundry Room.

Groundwater data show elevated levels of tetrachloroethylene and trichloroethylene above the Model Toxics Control Act (MTCA) Method A groundwater cleanup standards. In addition, analytical results from MW-6 indicate the presence of TPH-gasoline in concentrations above the MTCA cleanup levels.

An Initial Investigation was conducted by the Snohomish Health District on May 6, 1998. The site was listed on Ecology's Confirmed and Suspected Contaminated Sites List on July 6, 1999. The listing was for confirmed groundwater contamination and suspected soil

contamination by halogenated organic compounds. The Early Notice Letter was sent on July 6, 1999, and a letter regarding site hazard assessment was sent on October 4, 2001.

Compounds of Concern and sample results:

Compound	Result	MTCA cleanup standard
(cis) 1,2-Dichloroethylene	2.90 - 40.6 ug/l	80 ug/l*
Trichloroethylene	12.0 - 74.3 ug/l	5.0 ug/l
Tetrachloroethylene	5.06 - 222 ug/l	5.0 ug/l

*Based on the Model Toxics Control Act (MTCA) Method B Cleanup Level.

Special consideration (Include limitations in site file data or data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site, or any other factor(s) over-riding a decision of no further action for the site):

The site is covered by pavement and there is significant amount of subsurface soil contamination. Therefore, air and surface water routes were not scored.

PATHWAY SCORES:

Air/Human Health: **NA**

Air/Environmental: **NA**

Surface Water/Human Health: **NA**

Surface Water/Environment: **NA**

Groundwater/Human Health: **28.60**

OVERALL RANK: 5

**WORKSHEET 2
ROUTE DOCUMENTATION**

1. SURFACE WATER ROUTE

Not Scored

List substance to be considered for scoring.

Explain basis for choice of substance(s) to be used in scoring.

List the management units to be considered in scoring.

Explain basis for choice of unit used in scoring.

2. AIR ROUTE

Not Scored

List substance to be considered for scoring.

Explain basis for choice of substance(s) to be used in scoring.

List the management units to be considered in scoring.

Explain basis for choice of unit used in scoring.

3. GROUND WATER ROUTE

Source: 1.2

List substance(s) to be considered for scoring.

Tetrachloroethylene, Trichloroethylene, (cis) 1,2-Dichloroethylene, TPH-Gasoline

Explain basis for choice of substance(s) to be used in scoring.

TPH-gasoline could be considered, but halogenated organic compounds were used because they are associated with past dry cleaning practices at the site. Groundwater samples were collected and sample results confirmed contamination.

List the management units to be considered in scoring.

Contaminated groundwater/subsurface soil (capped – scored as a landfill).

Explain basis for choice of unit used in scoring.

The subsurface soil is contaminated, and groundwater sampling results confirm contamination of trichloroethylene and tetrachloroethylene above MTCA Method A groundwater cleanup standards.

PDQ Scoring

WORKSHEET 6 GROUND WATER ROUTE

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

Substance	Drinking Water Standard (ug/l)	Acute Toxicity		Chronic Toxicity		Carcinogenicity			
		Val.	(mg/kg-bw)	Val.	(mg/kg/day)	Val.	WOE	PF	Val.
Tetrachloroethylene	5	8	800	5	0.01	3	B2	0.051	4
Trichloroethylene	5	8	2402	3	ND	x	B2	0.011	4
(cis) 1,2-Dichloroethylene	70	6	ND	x	0.01	3	ND	ND	x

Source: 1,2,3,4
Highest Value: 8
2 Bonus Points? 2
Final Toxicity Value: 10

1.2 Mobility (Use numbers to refer to above listed substances) Cations/Anions

Source: 1,2,3,4 Value: 3

OR

Solubility (mg/l)	Tetrachloroethylene	1.50E+02 = 2
	Trichloroethylene	1.10E+03 = 3
	(cis) 1,2-Dichloroethylene	3.50E+03 = 3

1.3 Substance Quantity

Source: 1,2,3 Value: 1

Explain basis: Unknown quantity - default value

2.0 MIGRATION POTENTIAL

2.1 Containment Explain basis:

no liner (3)
low permeability cover (1)
Paved area no leachate collection system (2)

Source: 1,2,3 Value: 6

2.2 Net Precipitation: 16.9 inches

Source: 3,5 Value: 2

2.3 Subsurface Hydraulic Conductivity: gravelly, fine sandy loam

Source: 3,6 Value: 4

2.4 Vertical Depth to Ground Water: confirmed release to groundwater

Source: 2,3 Value: 8

PDQ Scoring

WORKSHEET 6 GROUND WATER ROUTE

3.0 TARGETS

- 3.1 Ground Water Usage: Private supply, but alternate sources available Source: 3,8,10 Value: 4
- 3.2 Distance to Nearest Drinking Water Well: 2,828 feet Source: 3,8,10 Value: 2
- 3.3 Population Served within 2 Miles: $101 \times 3 = 303$, square root of 303 = 17.4 Source: 3,8,10 Value: 17
- 3.4 Area Irrigated by (Groundwater) Wells within 2 miles:
square root of 195 multiplied by 0.75 = 10.473 Source: 3,9 Value: 10

4.0 RELEASE

- Explain basis for scoring a release to ground water: Source: 1,2,3 Value: 5
Confirmed release documented

Sources Used in Scoring

1. Initial Investigation, Snohomish Health District, May 6, 1998.
2. Monitoring Report Property No. 01-156 1034 State Avenue, Marysville, WA, Pinnacle GeoSciences, October 27, 1997.
3. Washington Department of Ecology, WARM Scoring Manual, April, 1992.
4. Washington Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
5. National Weather Service, Washington Climate Data, Snohomish County.
6. U.S. Department of Agriculture, Soil Survey of Snohomish County Area Washington, July 1983.
7. U.S. Geological Survey, The Ground-Water System and Ground-Water Quality in Western Snohomish County, WA, 1997.
8. Washington Department of Health, Public Water System List, April 26, 1993.
9. Washington Department of Ecology, Water Rights Information System (WRIS), November 4, 1992.
10. Washington Department of Ecology, Well Logs.
11. U.S.G.S. Topo. Map, Mukilteo Quadrangle, 7.5 Min. Series, Photorev. 1981.

PDQ Score Pathway

**PATHWAY SCORING FORMULAE WITH WEIGHTING AND
NORMALIZATION FACTORS**

Air Route - Human Health Pathway

$$\text{AIR} = (\text{SUB} \times 60/329) \times \{ \text{REL} + (\text{TAR} \times 35/85) \} / 24 = \underline{0.00}$$

where

AIR =	Pathway score for Air-Human Health =	
SUB =	(Human Toxicity Value + 5) X (Containment +1) + Substance Quantity =	
	<u>5</u>	
REL =	Release to Air =	<u>0</u>
TAR =	Nearest population + Population within 1/2 mile =	<u>0</u>

Air Route - Environmental Pathway

$$\text{AIR} = (\text{SUB} \times 60/329) \times \{ \text{REL} + (\text{TAR} \times 35/85) \} / 24 = \underline{0.00}$$

where

AIR =	Pathway score for Air-Environmental =	
SUB =	(Env. Toxicity Value + 5) X (Containment +1) + Substance Quantity =	
	<u>5</u>	
REL =	Release to Air =	<u>0</u>
TAR =	Nearest Sensitive Environment =	<u>0</u>

Surface Water Route - Human Health Pathway

$$\text{SW} = (\text{SUB} \times 40/175) \times \{ (\text{MIG} \times 25/24) + \text{REL} + (\text{TAR} \times 30/115) \} / 24 = \underline{0.00}$$

where

SW =	Pathway Score for Surface Water-Human Health =	
SUB =	(Human Toxicity + 3) X (Containment + 1) + Substance Quantity =	
	<u>3</u>	
MIG =	Soil Permability + Annual Precip. + Rainfall Frequency + Floodplain + Slope =	<u>0</u>
REL =	Release to the Surface Water =	<u>0</u>
TAR =	Distance to Surface Water + Population Served by Surface Water + Area Irrigated =	<u>0</u>

PDQ Score Pathway

Table 2 (Continued)

Surface Water Route - Environmental Pathway

$$SW = (SUB \times 40/175) \times \{(MIG \times 25/24)\} + REL + (TAR \times 30/115) / 24 = \underline{0.00}$$

where

SW = Pathway Score for Surface Water-Environmental =

SUB = (Env. Toxicity + 3) X (Containment + 1) + Substance Quantity =
3

MIG = Soil Permeability + Annual Precip. + Rainfall Frequency +
Floodplain + Slope = 0

REL = Release to the Surface Water = 0

TAR = Distance to Nearest Surface Water + Distance to Fisheries
Resource + Distance to Sensitive Environment = 0

Ground Water Route - Human Health Pathway

$$GW = (SUB \times 40/208) \times \{(MIG \times 25/17) + REL + (TAR \times 30/165)\} / 24 = \underline{28.60}$$

GW = Pathway Score For Ground Water-Human Health =

SUB = (Human Toxicity + Mobility + 3) X (Containment + 1) +
Substance Quantity = 113

MIG = Depth to Aquifer + Net Precipitation + Hydraulic Conductivity =
14

REL = Release to the Ground Water = 5

TAR = Aquifer Use + Well Distance + Population Served +
Area Irrigated = 33

Cleanup Site Details

Cleanup Site ID: 2817

Cleanup Site ID: 2817 **Facility/Site ID:** 11747135 **UST ID:** N/A [Site Page](#) [Site Documents](#) [View Map](#)
Cleanup Site Name: PDQ LAUNDRY ROOM [Glossary](#)

Alternate Names: PDQ LAUNDRY ROOM

LOCATION

Address: 1048 STATE AVE **City:** MARYSVILLE **Zip Code:** 98270 **County:** Snohomish
Latitude: 48.05871 **Longitude:** -122.17575 **WRIA:** 7 **Legislative District:** 38 **Congressional District:** 2 **TRS:** 30N 5E 28

DETAIL

Status: Awaiting Cleanup **NFA Received?** No **Is PSI site?** No
Statute: MTCA **NFA Date:** N/A **Current VCP?** No **Past VCP?** No
Site Rank: 5 - Lowest Assessed Risk **NFA Reason:** N/A **Brownfield?** No
Site Manager: Northwest Region **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
PDQ LAUNDRY ROOM	Upland	Awaiting Cleanup	NW	Northwest Region	No Process

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
-----------------	-------------------	---------------------------	------	------------------	------------------	------------

There are no current Institutional Controls in effect for this site.

AFFECTED MEDIA & CONTAMINANTS

MEDIA

Contaminant	Soil	Groundwater	Surface Water	Sediment	Air	Bedrock
Halogenated Organics	S	C				

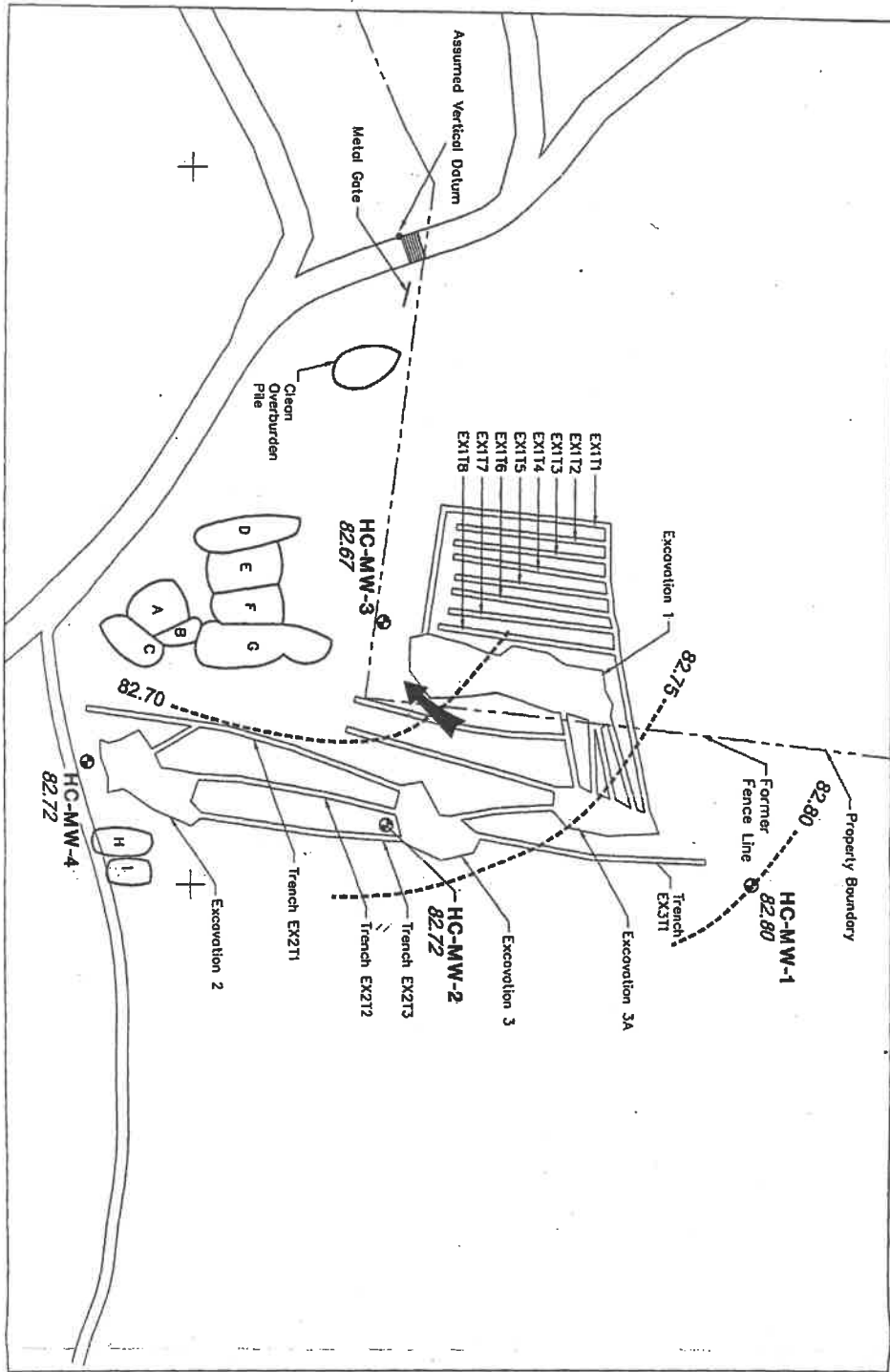
Key:

B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
 S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

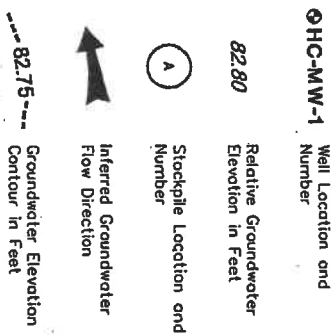
Activity	Status	Start Date	End Date/ Completion Date
Initial Investigation / Federal Preliminary Assessment	Completed		5/6/1998
Site Discovery/Release Report Received	Completed		5/6/1998
Early Notice Letter(s)	Completed		7/6/1999
Site Hazard Assessment/Federal Site Inspection	Completed	10/4/2001	10/30/2002
Hazardous Sites Listing/NPL	Completed		10/30/2002

Site Plan and Groundwater Elevation Contour Map January, 2001



Note:
Base map prepared by Hort Crowser using differential GPS.

0.00 8/12/01 1=1
7:17:04 AM charlie.pcl





**Snohomish
Health District
Environmental Health**

Pinnacle GeoSciences

RECEIVED BY	DRAWN BY	CHECKED BY	REV.
M. MEYER	NLP	NLP	A
PROJECT NO.	SCALE	DATE	TOTAL
0112-009	1"=20'	9/27/99	3

RESULTS OF GROUND WATER SAMPLE ANALYSIS ACCORDING TO WTPH-G; EPA 8020A; AND EPA 8260A GIVEN IN µg/L

DATE	WTPH-G	EPA 8020A	EPA 8260A
NOV 97	ND	ND	ND
MAY 98	ND	ND	ND
AUG 98	ND	ND	ND
OCT 98	ND	ND	ND
FEB 99	ND	ND	ND
JUN 99	ND	ND	ND
SEP 99	ND	ND	ND
DEC 99	ND	ND	ND
MAR 00	ND	ND	ND
MAY 00	ND	ND	ND
AUG 00	ND	ND	ND
NOV 00	ND	ND	ND
FEB 01	ND	ND	ND
MAY 01	ND	ND	ND
AUG 01	ND	ND	ND
NOV 01	ND	ND	ND
FEB 02	ND	ND	ND
MAY 02	ND	ND	ND
AUG 02	ND	ND	ND
NOV 02	ND	ND	ND
FEB 03	ND	ND	ND
MAY 03	ND	ND	ND
AUG 03	ND	ND	ND
NOV 03	ND	ND	ND
FEB 04	ND	ND	ND
MAY 04	ND	ND	ND
AUG 04	ND	ND	ND
NOV 04	ND	ND	ND
FEB 05	ND	ND	ND
MAY 05	ND	ND	ND
AUG 05	ND	ND	ND
NOV 05	ND	ND	ND
FEB 06	ND	ND	ND
MAY 06	ND	ND	ND
AUG 06	ND	ND	ND
NOV 06	ND	ND	ND
FEB 07	ND	ND	ND
MAY 07	ND	ND	ND
AUG 07	ND	ND	ND
NOV 07	ND	ND	ND
FEB 08	ND	ND	ND
MAY 08	ND	ND	ND
AUG 08	ND	ND	ND
NOV 08	ND	ND	ND
FEB 09	ND	ND	ND
MAY 09	ND	ND	ND
AUG 09	ND	ND	ND
NOV 09	ND	ND	ND
FEB 10	ND	ND	ND
MAY 10	ND	ND	ND
AUG 10	ND	ND	ND
NOV 10	ND	ND	ND
FEB 11	ND	ND	ND
MAY 11	ND	ND	ND
AUG 11	ND	ND	ND
NOV 11	ND	ND	ND
FEB 12	ND	ND	ND
MAY 12	ND	ND	ND
AUG 12	ND	ND	ND
NOV 12	ND	ND	ND
FEB 13	ND	ND	ND
MAY 13	ND	ND	ND
AUG 13	ND	ND	ND
NOV 13	ND	ND	ND
FEB 14	ND	ND	ND
MAY 14	ND	ND	ND
AUG 14	ND	ND	ND
NOV 14	ND	ND	ND
FEB 15	ND	ND	ND
MAY 15	ND	ND	ND
AUG 15	ND	ND	ND
NOV 15	ND	ND	ND
FEB 16	ND	ND	ND
MAY 16	ND	ND	ND
AUG 16	ND	ND	ND
NOV 16	ND	ND	ND
FEB 17	ND	ND	ND
MAY 17	ND	ND	ND
AUG 17	ND	ND	ND
NOV 17	ND	ND	ND
FEB 18	ND	ND	ND
MAY 18	ND	ND	ND
AUG 18	ND	ND	ND
NOV 18	ND	ND	ND
FEB 19	ND	ND	ND
MAY 19	ND	ND	ND
AUG 19	ND	ND	ND
NOV 19	ND	ND	ND
FEB 20	ND	ND	ND
MAY 20	ND	ND	ND
AUG 20	ND	ND	ND
NOV 20	ND	ND	ND
FEB 21	ND	ND	ND
MAY 21	ND	ND	ND
AUG 21	ND	ND	ND
NOV 21	ND	ND	ND
FEB 22	ND	ND	ND
MAY 22	ND	ND	ND
AUG 22	ND	ND	ND
NOV 22	ND	ND	ND
FEB 23	ND	ND	ND
MAY 23	ND	ND	ND
AUG 23	ND	ND	ND
NOV 23	ND	ND	ND
FEB 24	ND	ND	ND
MAY 24	ND	ND	ND
AUG 24	ND	ND	ND
NOV 24	ND	ND	ND
FEB 25	ND	ND	ND
MAY 25	ND	ND	ND
AUG 25	ND	ND	ND
NOV 25	ND	ND	ND
FEB 26	ND	ND	ND
MAY 26	ND	ND	ND
AUG 26	ND	ND	ND
NOV 26	ND	ND	ND
FEB 27	ND	ND	ND
MAY 27	ND	ND	ND
AUG 27	ND	ND	ND
NOV 27	ND	ND	ND
FEB 28	ND	ND	ND
MAY 28	ND	ND	ND
AUG 28	ND	ND	ND
NOV 28	ND	ND	ND
FEB 29	ND	ND	ND
MAY 29	ND	ND	ND
AUG 29	ND	ND	ND
NOV 29	ND	ND	ND</

MW-1
 6 GROUND WATER MONITORING WELL
 LOCATION WITH IDENTIFICATION
 7
 8 STORM DRAIN
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526

LEGEND