

THURSTON COUNTY
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SEP 21 2023

BUILDING DEVELOPMENT CENTER

June 5, 2023

RJ Development
401 Central St SE
Olympia, Washington 98501
Attention: Caleb Perkins

Report
Winter Groundwater Monitoring
Proposed Multi-Family Development
2000 24th Avenue NW
Olympia, Washington
Project No. 901-003-01

INTRODUCTION

Insight Geologic, Inc. is pleased to provide our report for winter groundwater monitoring at the location of the proposed multi-family residential development to be located at 2000-24th Avenue NW in unincorporated Thurston County, Washington. The location of the site is shown relative to surrounding physical features in the Vicinity Map, Figure 1.

We understand that the project site consists of a single parcel of property totaling approximately 11 acres. The site is wooded in the western portion and used for pasture and livestock holding in the eastern portion. The eastern portion also contains a single-family residence. Insight Geologic recently completed a geotechnical and stormwater investigation at the site.

SCOPE OF SERVICES

The purpose of our services was to evaluate groundwater conditions as they pertain to stormwater infiltration. The specific tasks performed are outlined below:

1. Monitored the depth to groundwater in the wells on a weekly basis for a period of four months, including two months between December and March, in accordance with the 2022 Manual. Water level measurements were made to the nearest 0.01 foot.
2. Prepared a report for review summarizing our monitoring well installation activities, groundwater monitoring data, estimated high groundwater elevations, and any appropriate changes to the stormwater infiltration rate presented in our initial report titled "*Report - Geotechnical and Stormwater Investigation – Proposed Multi-Family Development*," dated March 3, 2023.

FINDINGS

Monitoring Wells

Insight Geologic installed four groundwater monitoring wells at the site on January 6, 2023. The monitoring wells were completed by Standard Environmental Probe using a Geoprobe 54 LT direct

push sampling rig. The approximate location of the wells is shown on the Site Plan, Figure 2. A geologist from Insight Geologic monitored the explorations and maintained a log of the conditions encountered. The borings were completed to depths of between 8 and 16 feet below ground surface (bgs). The soils were visually classified in general accordance with the system described in ASTM D2487-06. The exploration logs are contained in Attachment A.

Monitoring wells, consisting of a 1-inch diameter casing and screen, were installed in each of the borings (MW-1 to MW-4) on-site to the depth of 15, 12, 15, and 8 feet bgs, respectively. Each monitoring well was completed with a locking, tamper-resistant steel cover, installed flush with the surrounding grade. The monitoring well construction details are included in Attachment A. For the purposes of this report, groundwater elevations were based on estimated ground surface elevation obtained from the Thurston County GeoData elevation contour data layer.

Datalogging pressure transducers were installed in the wells and were programmed to collect groundwater readings at 6-hour intervals during the monitoring period. The transducers recorded groundwater readings from January 9, 2023, to May 1, 2023. Unfortunately, the transducers for MW-1 and MW-3 failed during the monitoring period and only partial transducer data was recovered for these two wells. Manual groundwater measurements were collected on a weekly basis during the monitoring period starting January 9, 2023. Groundwater monitoring data for both the manual measurements and the transducer data are contained in Attachment B. The groundwater hydrographs for the monitoring wells are shown in Figures 3 to 6.

Groundwater Conditions

Groundwater was present in each of the four monitoring wells throughout the monitoring period. We measured the initial depth of groundwater in the wells at between 0.87 and 8.74 feet below the top of the well casing at the beginning of the manual monitoring period on January 9, 2023.

Groundwater elevations in the monitoring well network were generally within 6 feet between each monitoring well at any given measurement. Generally, groundwater elevations were between 211 and 218 feet above mean sea level, and wells fluctuated between 0.74 feet in MW-4 and 3.13 feet in MW-1. At its highest point, which occurred mid-January 2023, high groundwater ranged from about 0.55 feet below ground surface in well MW-4 to 6.69 feet below ground surface in MW-1. A summary of groundwater measurements is shown in Table 1.

Table 1. Summary of Measured Groundwater Levels

Well Number	Depth to Groundwater (feet below ground surface)		Groundwater Elevation (feet above mean sea level)	
	Low	High	Low	High
MW - 1	9.37	6.69	215.63	218.31
MW - 2	3.01	1.69	210.99	212.31
MW - 3	8.74	5.61	211.26	214.39
MW - 4	1.29	0.55	211.71	212.45

OPINION

We have performed an evaluation of groundwater conditions at the property located at 2000 24th Avenue NW in unincorporated Thurston County, Washington. Groundwater elevations beneath the site were monitored for the period between January 9, 2023, to May 1, 2023. The high groundwater elevation measured in the monitoring well network was about 218.31 feet above the mean sea level in MW-1 near the east edge of the project site. The shallowest depth to groundwater was 0.55 feet below the ground surface in MW-4 just east of the wetland near the southern edge of the project site.

Based on the 2022 Thurston County Drainage Design and Erosion Control Manual, we recommended a design infiltration rate of 0.6 to 2.6 inches per hour for the proposed stormwater infiltration area as described in our previous report titled "*Report - Geotechnical and Stormwater Investigation – Proposed Multi-Family Development*," dated March 3, 2023. The results of our winter groundwater monitoring services indicate that high groundwater is approximately 2 to 3 feet higher than previously anticipated. Based on the 2022 manual, a reduction to 0.3 inches per hour is recommended on the west side of the site and a reduction to 1.5 inches per hour is recommended on the east side.

In areas where stormwater is within 3 feet of the ground surface, such as areas identified near the wetland and monitoring well MW-2 and MW-4, rain garden-type stormwater disposal areas may be appropriate, or other engineering solutions. Thurston County will likely require a groundwater mounding analysis for the proposed site stormwater improvements based on the shallow depths of groundwater. Insight Geologic will be pleased to provide these services as needed.

LIMITATIONS

We have prepared this report for use by RJ Development and their authorized agents. This report may be made available to regulatory agencies.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Attachment C titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.



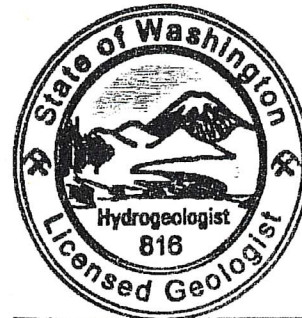
RJ Development
Winter Groundwater Monitoring Report
June 5, 2023

We appreciate the opportunity to be of service to you on this project. Please contact us if you have questions or require additional information.

Respectfully Submitted,
INSIGHT GEOLOGIC, INC.



William E. Halbert, L.E.G., L.H.G.
Principal

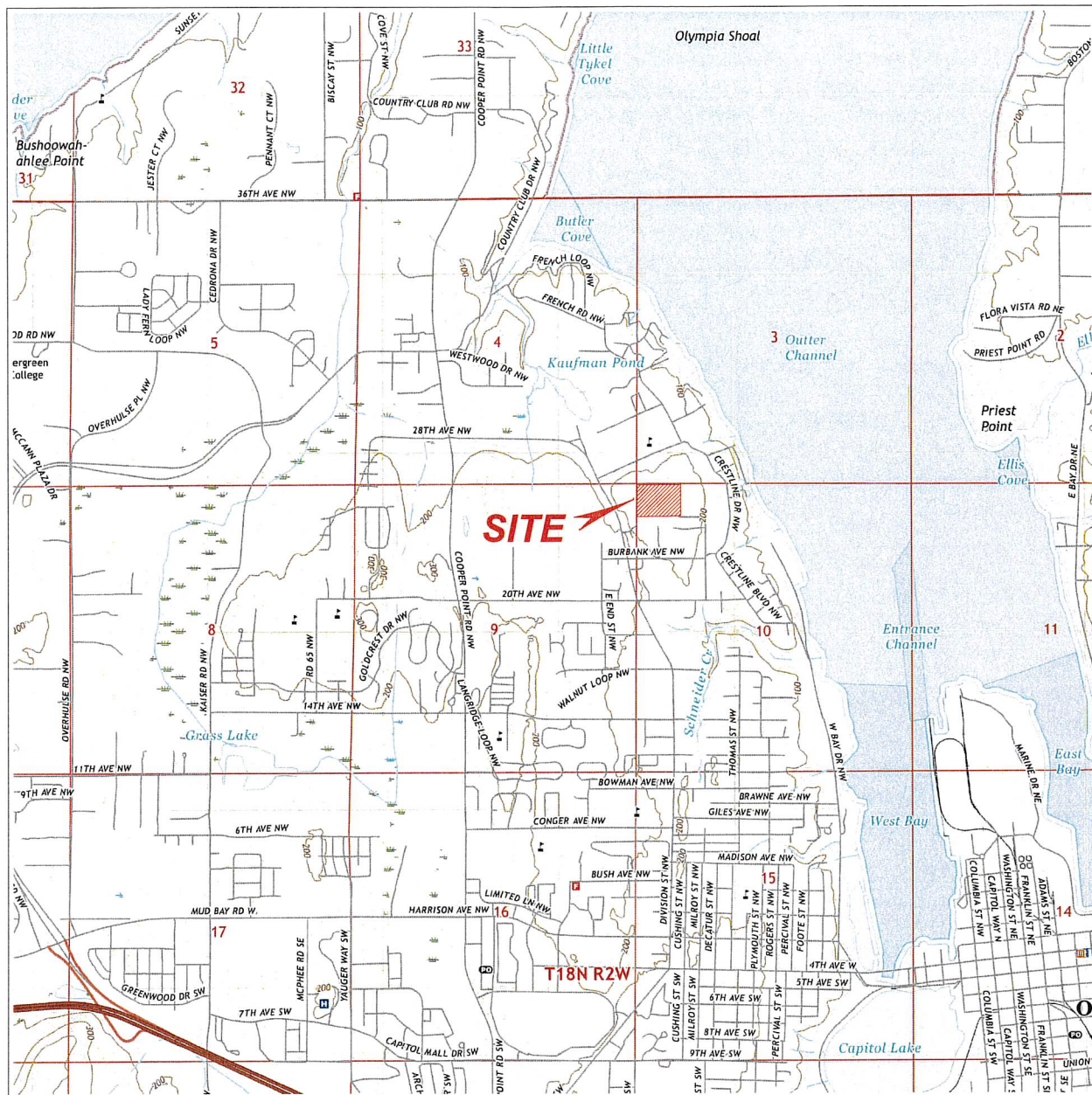


William E. Halbert

Attachments

FIGURES





Source: USGS (c) 2020

TUMWATER QUADRANGLE
WASHINGTON - THURSTON COUNTY
7.5-MINUTE SERIES
 Year 2020

SCALE: 1" = 3000'

2000 24th AVENUE NW
 OLYMPIA, WASHINGTON



Figure 1
Vicinity Map

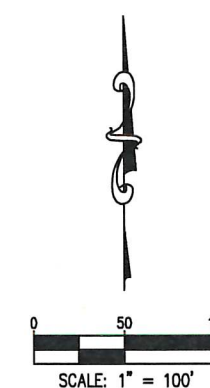


Source: kpff Consulting Engineers



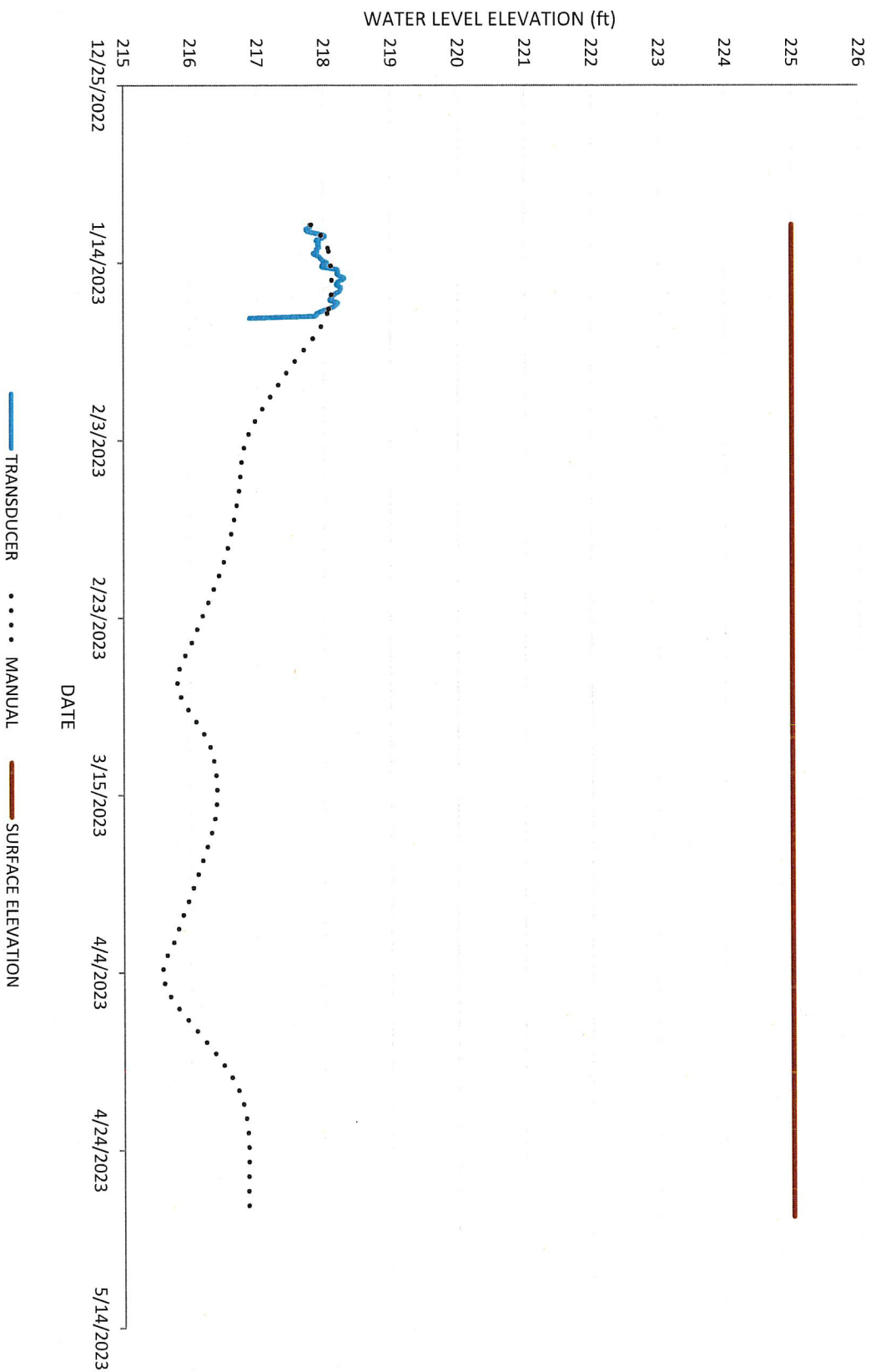
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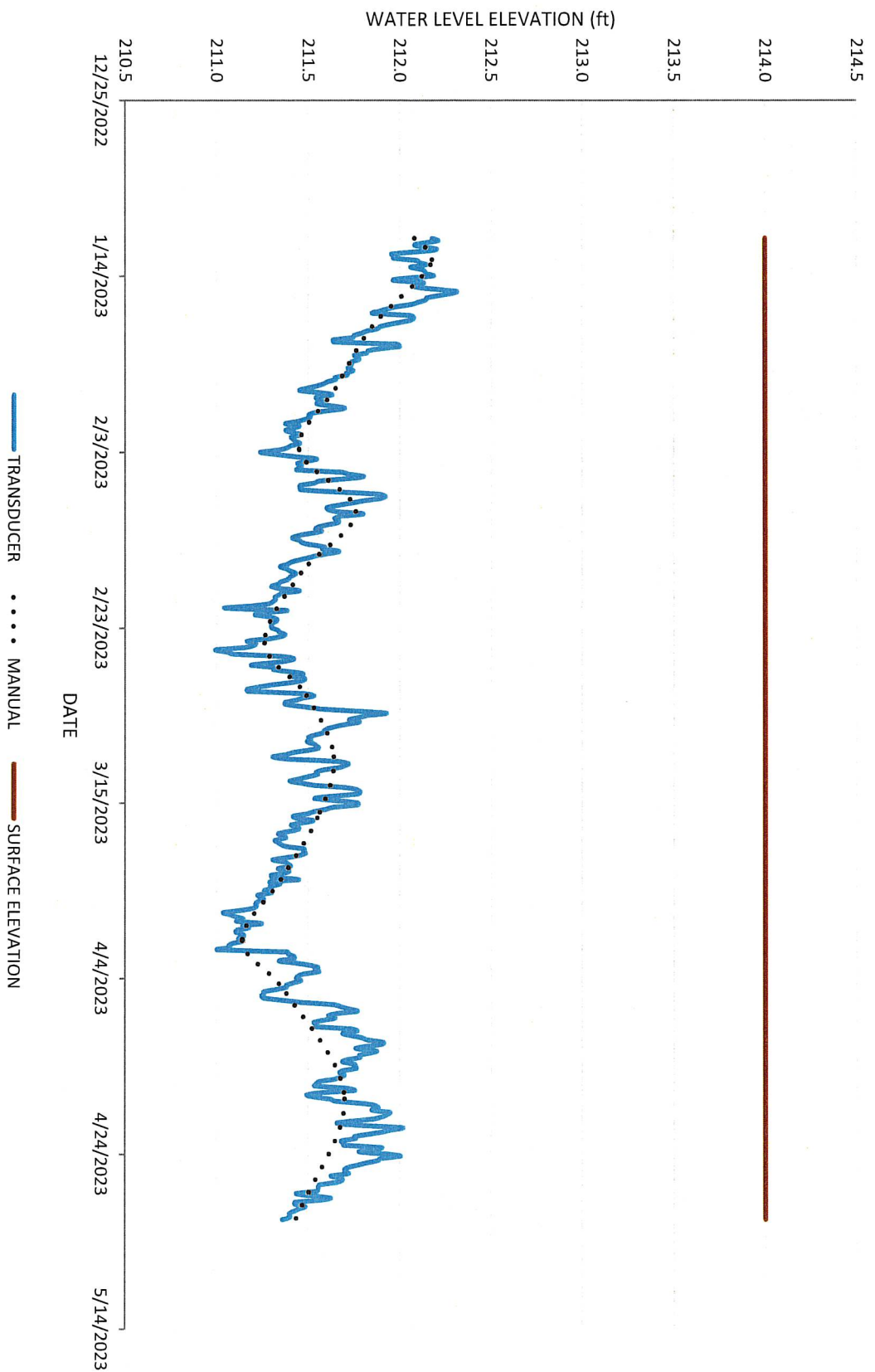
- APPROXIMATE PROJECT BOUNDARY
- MW-1 APPROXIMATE MONITORING WELL LOCATION

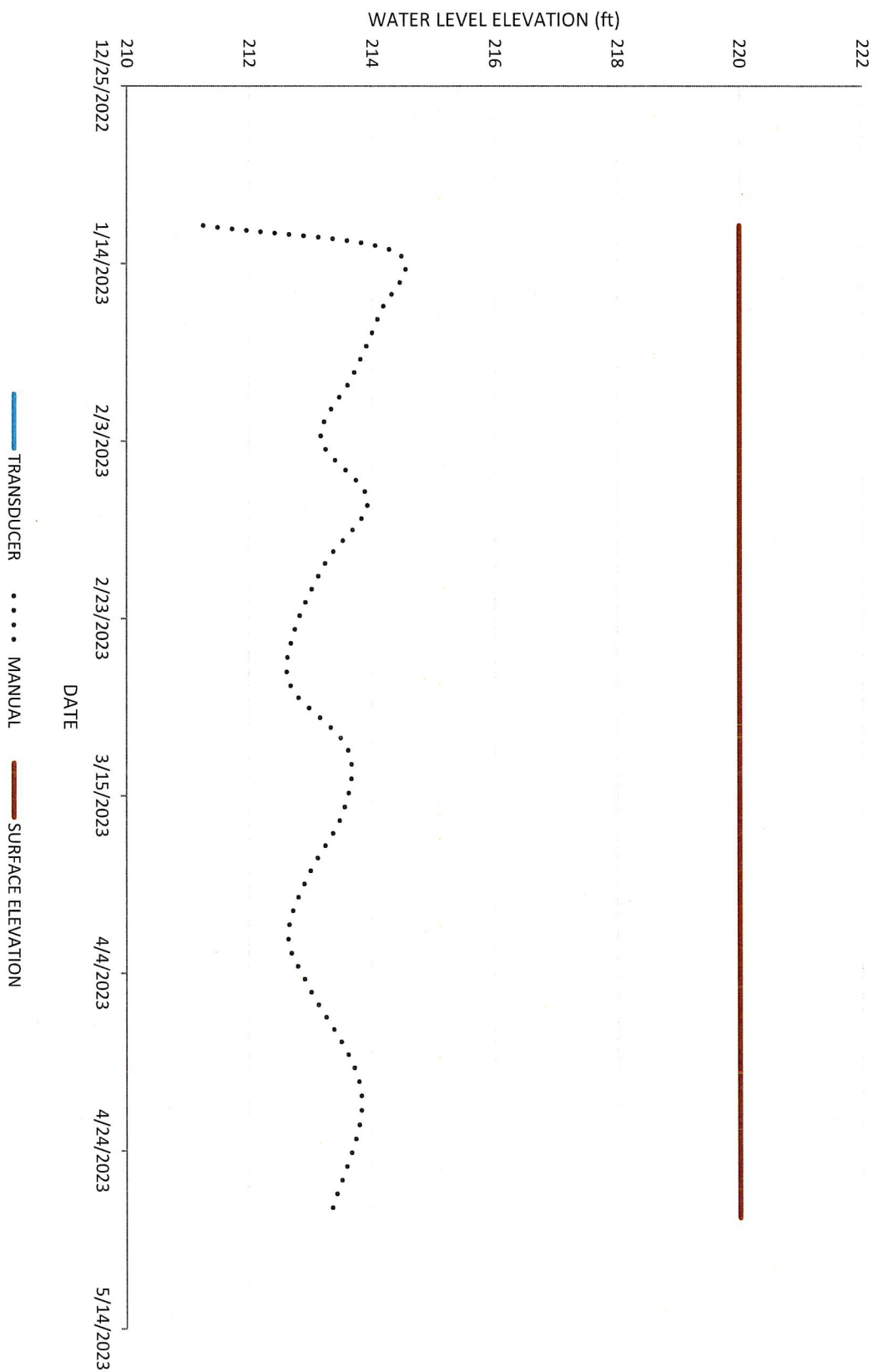


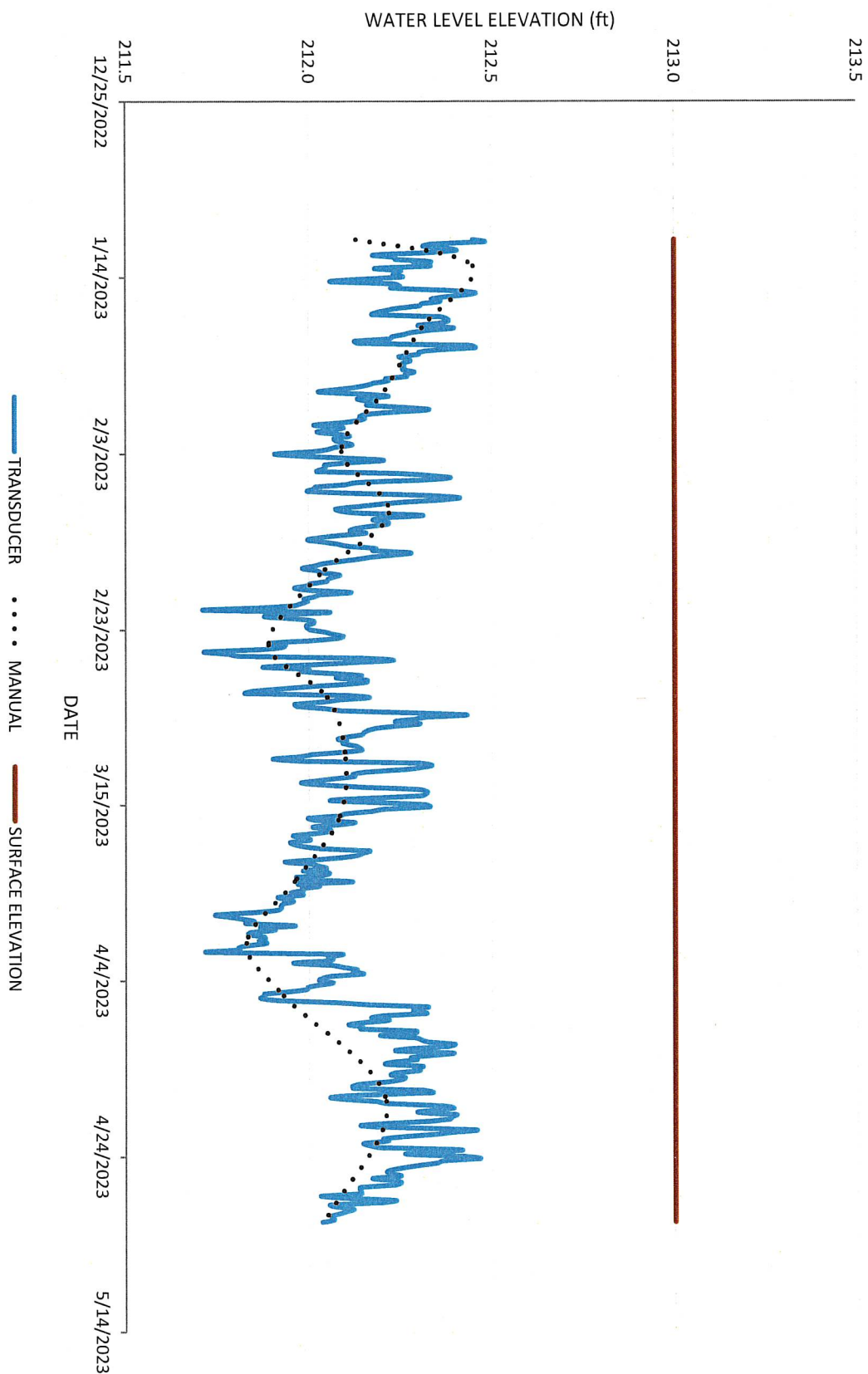
2000 24th AVENUE NW
OLYMPIA, WASHINGTON

Figure 2
SITE PLAN









ATTACHMENT A
EXPLORATION LOGS





Figure A-1
Key to Exploration Logs

SOIL MOISTURE MODIFIERS:
DRY - ABSENCE OF MOISTURE, DUSTY, DRY TO THE TOUCH
MOIST - DAMP, BUT NO VISIBLE WATER
WET - VISIBLE FREE WATER OR SATURATED, USUALLY SOIL
IS OBTAINED FROM BELOW WATER TABLE

SHREEN CLASSIFICATIONS

NT NOT TESTED
HS HEAVY SHEEN
MS MODERATE SHEEN
SS SLIGHT SHEEN
NS NO VISIBLE SHEEN

SAMPLER SYMBOLS

2 1/4 INCH I.D. SPLIT BARREL
SHELBY TUBE
DIRECT-PUSH
STANDARD PENETRATION TEST
BULK OR GRAB

TEST CLASSIFICATIONS

MC MOISTURE CONTENT
HA HYDROMETER ANALYSIS
DS DIRECT SHEAR
CS CONSOLIDATION TEST
CP LABORATORY
CA CHEMICAL ANALYSIS
AL ATTERBERG LIMITS
MD MOISTURE CONTENT AND
%F PERCENT FINES

VS VANE SHEAR
UC UNCONFINED COMPRESSION
TX TRIAXIAL COMPRESSION
SA SIEVE ANALYSIS
PP POCKET PENETROMETER
PM PERMEABILITY OR
OC ORGANIC COMPOUND
DRY DENSITY

LABORATORY / FIELD

STRATIGRAPHIC CONTACT

DISTINCT CONTACT BETWEEN SOIL STRATA OR
GEOLOGIC UNITS
GRADUAL CHANGE BETWEEN SOIL STRATA OR
GEOLOGIC UNITS
APPROXIMATE LOCATION OF SOIL STRATA CHANGE
WITHIN GEOLOGIC SOIL UNIT

EXPLORATION SYMBOLS

GROUNDWATER

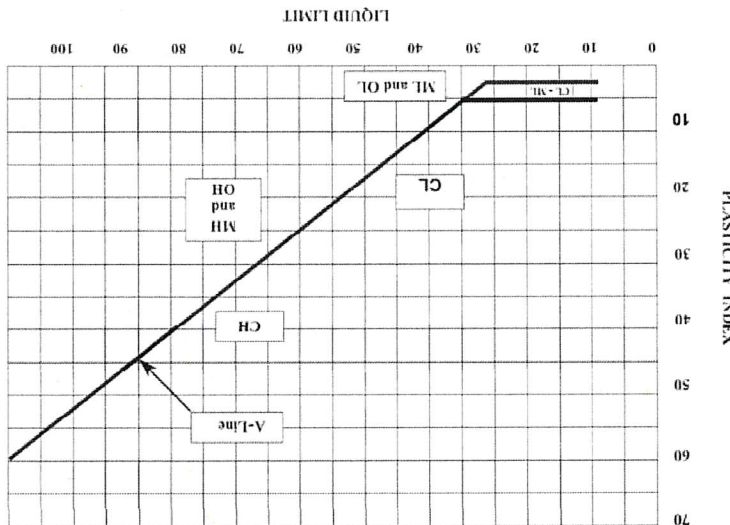
MEASURED GROUNDWATER LEVEL IN EXPLORATION,
WELL, OR PIEZOMETER
GROUNDWATER OBSERVED AT TIME OF EXPLORATION
PERCHED WATER OBSERVED AT TIME OF EXPLORATION
MEASURED FREE PRODUCT IN WELL OR PIEZOMETER

SYMBOLS	TYPICAL DESCRIPTION
CC	CEMENT CONCRETE
AC	ASPHALT CONCRETE
CR	CRUSHED ROCK / QUARRY SPALLS
TS	TOPSOIL / FOREST DUFF / SOD

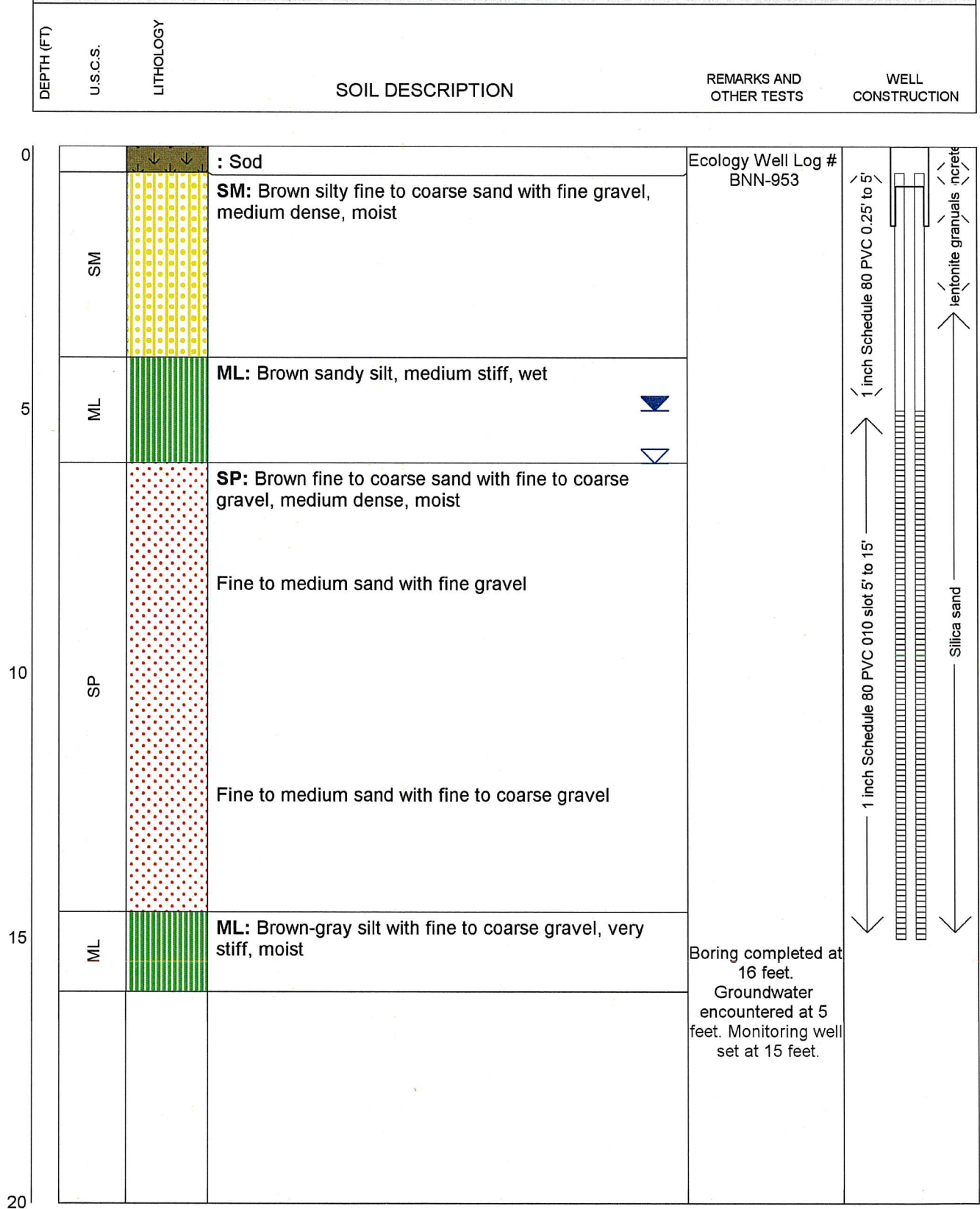
ADDITIONAL MATERIAL SYMBOLS

MAJOR DIVISIONS		SYMBOLS	GROUP NAME
FINE GRAINED SOILS	MORE THAN 50% PASSING NO. 200 SIEVE	ORGANIC	PT
		ORGANIC	OH
		ORGANIC	CH
	LESS THAN 50% LIQUID LIMIT	ORGANIC	MH
		ORGANIC	OL
		ORGANIC	CL
COARSE GRAINED SOILS	MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND	ML
		CLAYEY SAND	SC
		SAND	SM
		POORLY GRADED SAND	SP
		CLEAN SAND	SW
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVEL	GC
		SILTY GRAVEL	GM
		POORLY GRADED GRAVEL	GP
		CLEAN GRAVEL	GW
		GRAVEL WITH FINES	GW

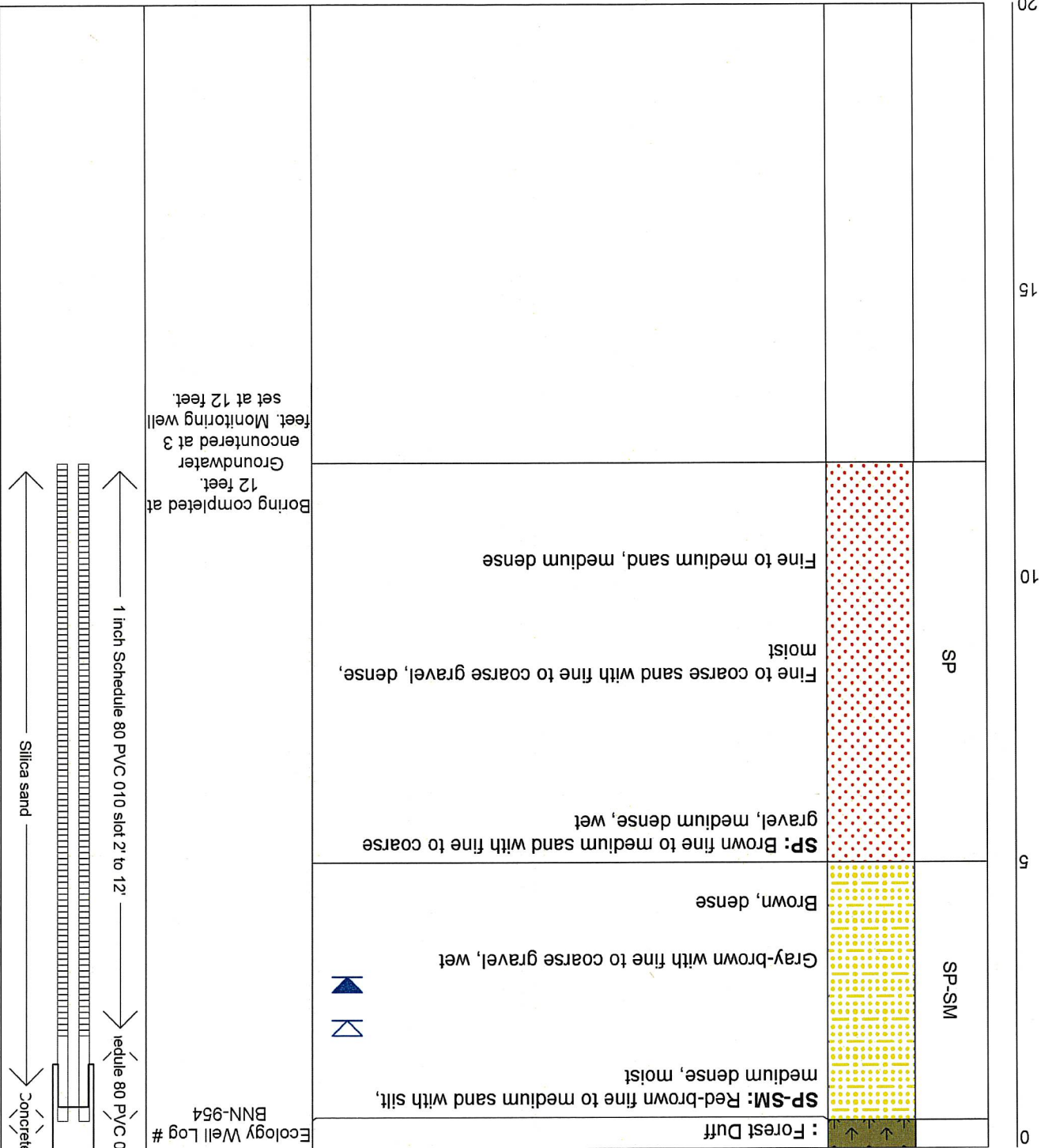
SOIL CLASSIFICATION CHART



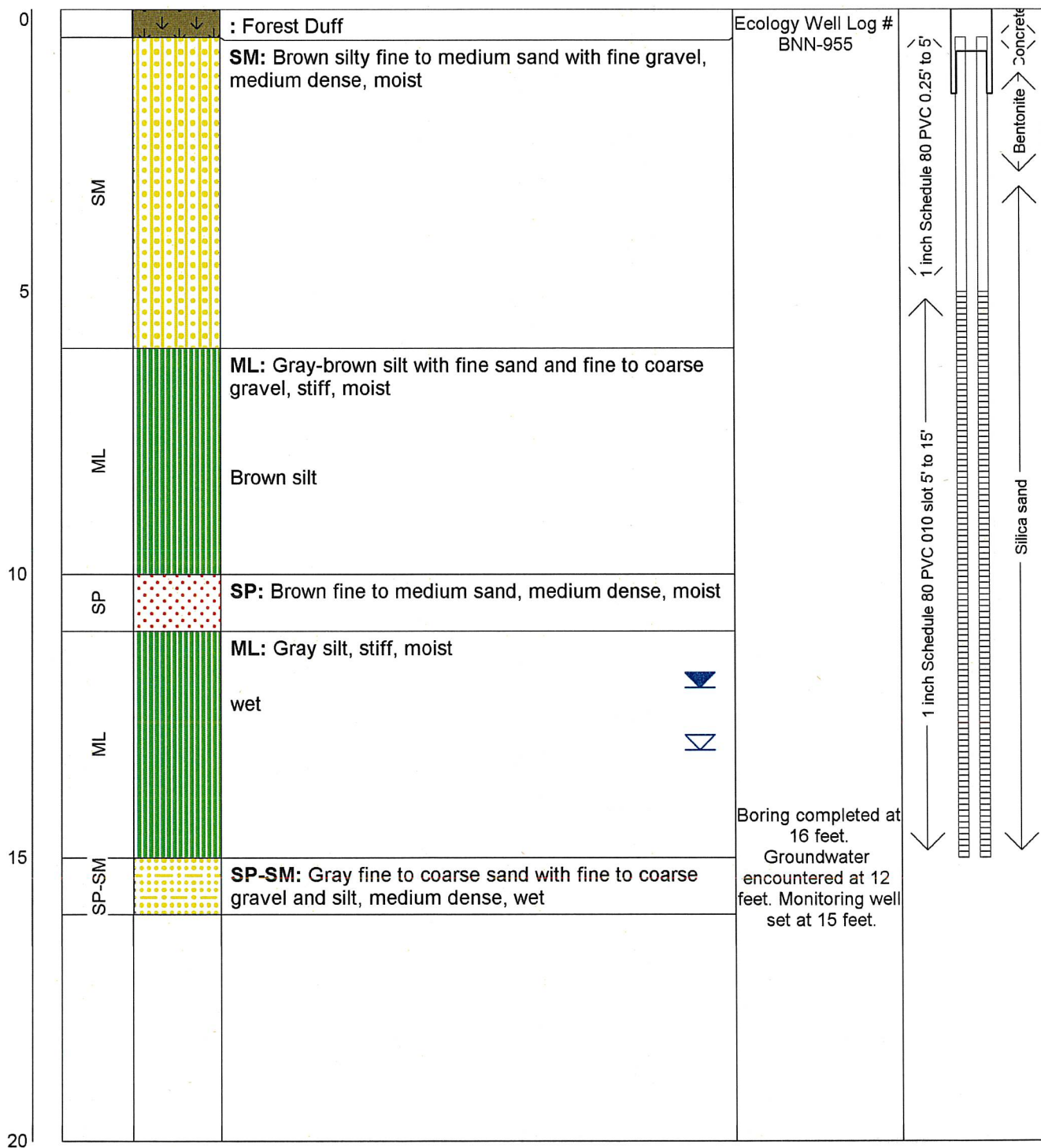
IS OBTAINED FROM BELOW WATER TABLE
WET - VISIBLE FREE WATER OR SATURATED, USUALLY SOIL
MOIST - DAMP, BUT NO VISIBLE WATER
DRY - ABSENCE OF MOISTURE, DUSTY, DRY TO THE TOUCH



PROJECT: 2000 24th Avenue NW		LOCATION: Thurston County, Washington	
PROJECT NO.: 901-003-01			
DATE: January 6, 2023		TOTAL DEPTH: 12	
DEPTH (FT)	U.S.C.S.	LITHOLOGY	SOIL DESCRIPTION
			REMARKS AND OTHER TESTS
			WELL CONSTRUCTION



PROJECT: 2000 24th Avenue NW PROJECT NO.: 901-003-01 LOCATION: Thurston County, Washington		MW-3		DATE: January 6, 2023 TOTAL DEPTH: 16	
DEPTH (FT)	U.S.C.S.	LITHOLOGY	SOIL DESCRIPTION	REMARKS AND OTHER TESTS	WELL CONSTRUCTION



PROJECT: 2000 24th Avenue NW PROJECT NO.: 901-003-01 LOCATION: Thurston County, Washington		DATE: January 6, 2023 TOTAL DEPTH: 8	
DEPTH (FT) U.S.C.S. LITHOLOGY		SOIL DESCRIPTION REMARKS AND OTHER TESTS WELL CONSTRUCTION	

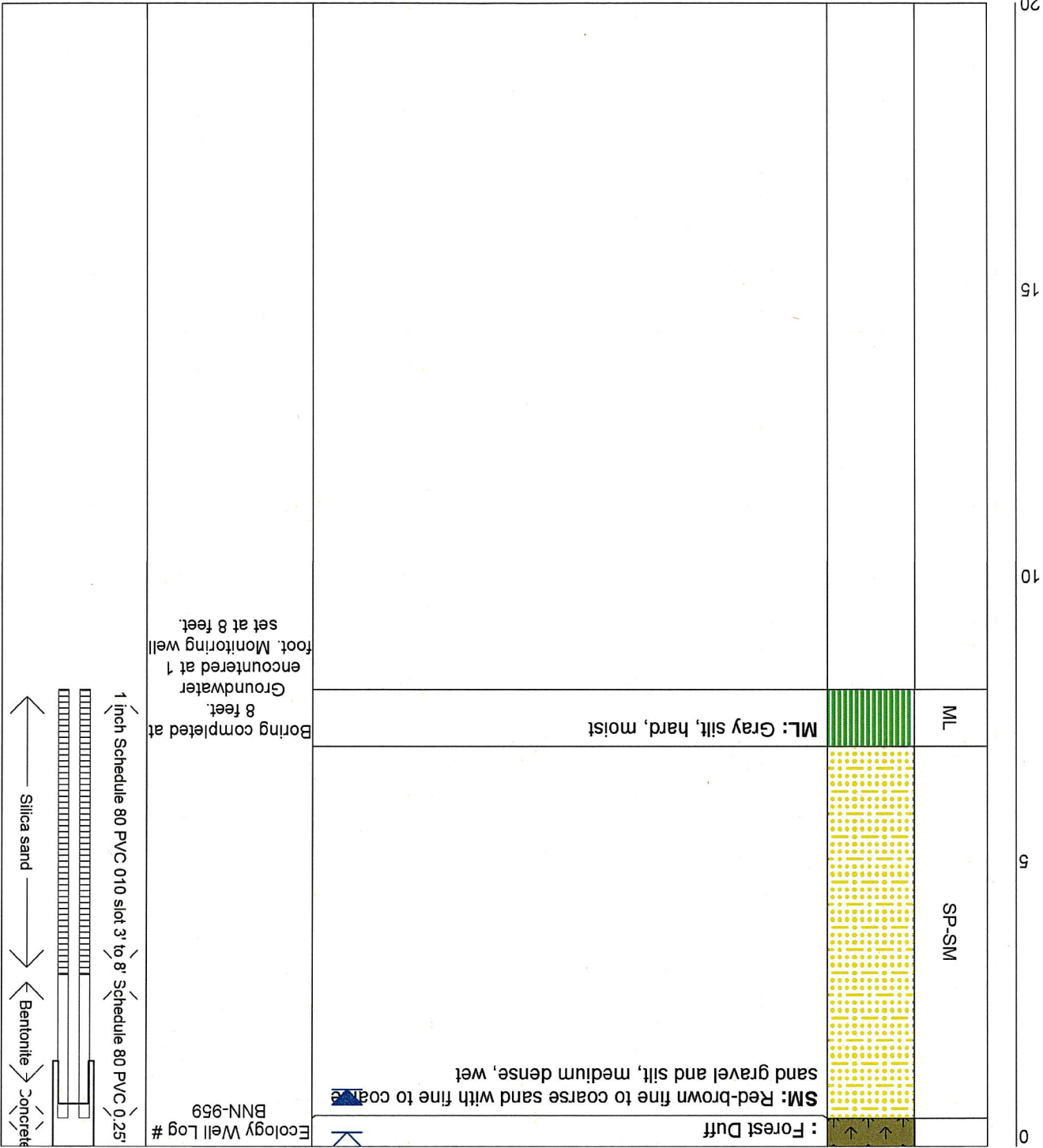


Figure A-5

ATTACHMENT B
GROUNDWATER MONITORING DATA



Approximate Ground Surface = 225 feet
 Based on Thurston County elevation data

DATE	TIME	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)
		LEVEL (ft)	MEASUREMENT (ft)			DEPTH (ft)	
1/9/2023	17:26:00	6.9002	7.18	225	14.1	217.8002	217.82
1/9/2023	23:26:00	6.9009		225	14.1	217.8009	
1/10/2023	5:26:00	6.843		225	14.1	217.743	
1/10/2023	11:26:00	6.8738		225	14.1	217.7738	
1/10/2023	17:26:00	7.0207		225	14.1	217.9207	
1/10/2023	23:26:00	7.1201		225	14.1	218.0201	
1/11/2023	5:26:00	7.0685		225	14.1	217.9685	
1/11/2023	11:26:00	6.9884		225	14.1	217.8884	
1/11/2023	17:26:00	7.0292		225	14.1	217.9292	
1/11/2023	23:26:00	7.0133		225	14.1	217.9133	
1/12/2023	5:26:00	7.034		225	14.1	217.934	
1/12/2023	11:26:00	6.9993		225	14.1	217.8993	
1/12/2023	17:26:00	7.0016	6.92	225	14.1	217.9016	218.08
1/12/2023	23:26:00	6.9492		225	14.1	217.8492	
1/13/2023	5:26:00	7.0273		225	14.1	217.9273	
1/13/2023	11:26:00	7.0551		225	14.1	217.9551	
1/13/2023	17:26:00	7.0831		225	14.1	217.9831	
1/13/2023	23:26:00	7.1469		225	14.1	218.0469	
1/14/2023	5:26:00	7.0827		225	14.1	217.9827	
1/14/2023	11:26:00	7.0813		225	14.1	217.9813	
1/14/2023	17:26:00	7.2997		225	14.1	218.1997	
1/14/2023	23:26:00	7.3117		225	14.1	218.2117	
1/15/2023	5:26:00	7.3001		225	14.1	218.2001	
1/15/2023	11:26:00	7.3445		225	14.1	218.2445	
1/15/2023	17:26:00	7.409		225	14.1	218.309	
1/15/2023	23:26:00	7.3501		225	14.1	218.2501	
1/16/2023	5:26:00	7.3019		225	14.1	218.2019	
1/16/2023	11:26:00	7.2915		225	14.1	218.1915	
1/16/2023	17:26:00	7.3531		225	14.1	218.2531	
1/16/2023	23:26:00	7.3471		225	14.1	218.2471	
1/17/2023	5:26:00	7.3312		225	14.1	218.2312	
1/17/2023	11:26:00	7.2715		225	14.1	218.1715	
1/17/2023	17:26:00	7.2402		225	14.1	218.1402	
1/17/2023	23:26:00	7.2095		225	14.1	218.1095	
1/18/2023	5:26:00	7.1976		225	14.1	218.0976	
1/18/2023	11:26:00	7.309		225	14.1	218.209	
1/18/2023	17:26:00	7.2842		225	14.1	218.1842	
1/18/2023	23:26:00	7.2362		225	14.1	218.1362	
1/19/2023	5:26:00	7.1515		225	14.1	218.0515	
1/19/2023	11:26:00	7.0666		225	14.1	217.9666	
1/19/2023	17:26:00	6.9956	6.94	225	14.1	217.8956	218.06
1/19/2023	23:26:00	6.9809		225	14.1	217.8809	

MW-1

RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
1/20/2023	5:26:00	5.9857		225	14.1	216.8857	
1/26/2023	17:27:06	--	7.58	225	14.1	--	217.42
2/2/2023	17:27:06	--	8.15	225	14.1	--	216.85
2/9/2023	17:27:06	--	8.29	225	14.1	--	216.71
2/16/2023	17:27:06	--	8.5	225	14.1	--	216.5
2/24/2023	17:27:06	--	8.92	225	14.1	--	216.08
3/2/2023	17:27:06	--	9.19	225	14.1	--	215.81
3/9/2023	17:27:06	--	8.7	225	14.1	--	216.3
3/16/2023	17:27:06	--	8.62	225	14.1	--	216.38
3/23/2023	17:27:06	--	8.88	225	14.1	--	216.12
3/30/2023	17:27:06	--	9.21	225	14.1	--	215.79
4/5/2023	17:27:06	--	9.37	225	14.1	--	215.63
4/17/2023	17:27:06	--	8.27	225	14.1	--	216.73
5/1/2023	11:27:06	--	8.14	225	14.1	--	216.86

*Note: The transducer for MW-1 failed on January 20, 2023

Approximate Ground Surface = 214 feet
 Based on Thurston County elevation data

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	

1/9/2023	17:27:06	8.616	1.92	214	10.44	212.176	212.08
1/9/2023	23:27:06	8.649		214	10.44	212.209	
1/10/2023	5:27:06	8.572		214	10.44	212.132	
1/10/2023	11:27:06	8.52		214	10.44	212.08	
1/10/2023	17:27:06	8.585		214	10.44	212.145	
1/10/2023	23:27:06	8.642		214	10.44	212.202	
1/11/2023	5:27:06	8.543		214	10.44	212.103	
1/11/2023	11:27:06	8.396		214	10.44	211.956	
1/11/2023	17:27:06	8.428		214	10.44	211.988	
1/11/2023	23:27:06	8.406		214	10.44	211.966	
1/12/2023	5:27:06	8.532		214	10.44	212.092	
1/12/2023	11:27:06	8.547		214	10.44	212.107	
1/12/2023	17:27:06	8.585	1.83	214	10.44	212.145	212.17
1/12/2023	23:27:06	8.498		214	10.44	212.058	
1/13/2023	5:27:06	8.56		214	10.44	212.12	
1/13/2023	11:27:06	8.577		214	10.44	212.137	
1/13/2023	17:27:06	8.585		214	10.44	212.145	
1/13/2023	23:27:06	8.622		214	10.44	212.182	
1/14/2023	5:27:06	8.486		214	10.44	212.046	
1/14/2023	11:27:06	8.403		214	10.44	211.963	
1/14/2023	17:27:06	8.569		214	10.44	212.129	
1/14/2023	23:27:06	8.561		214	10.44	212.121	
1/15/2023	5:27:06	8.522		214	10.44	212.082	
1/15/2023	11:27:06	8.626		214	10.44	212.186	
1/15/2023	17:27:06	8.749		214	10.44	212.309	
1/15/2023	23:27:06	8.717		214	10.44	212.277	
1/16/2023	5:27:06	8.647		214	10.44	212.207	
1/16/2023	11:27:06	8.587		214	10.44	212.147	
1/16/2023	17:27:06	8.581		214	10.44	212.141	
1/16/2023	23:27:06	8.54		214	10.44	212.1	
1/17/2023	5:27:06	8.503		214	10.44	212.063	
1/17/2023	11:27:06	8.419		214	10.44	211.979	
1/17/2023	17:27:06	8.368		214	10.44	211.928	
1/17/2023	23:27:06	8.331		214	10.44	211.891	
1/18/2023	5:27:06	8.293		214	10.44	211.853	
1/18/2023	11:27:06	8.496		214	10.44	212.056	
1/18/2023	17:27:06	8.517		214	10.44	212.077	
1/18/2023	23:27:06	8.501		214	10.44	212.061	
1/19/2023	5:27:06	8.448		214	10.44	212.008	
1/19/2023	11:27:06	8.38		214	10.44	211.94	
1/19/2023	17:27:06	8.334	2.15	214	10.44	211.894	211.85
1/19/2023	23:27:06	8.317		214	10.44	211.877	

MW-2

RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
1/20/2023	5:27:06	8.259		214	10.44	211.819	
1/20/2023	11:27:06	8.233		214	10.44	211.793	
1/20/2023	17:27:06	8.19		214	10.44	211.75	
1/20/2023	23:27:06	8.183		214	10.44	211.743	
1/21/2023	5:27:06	8.076		214	10.44	211.636	
1/21/2023	11:27:06	8.081		214	10.44	211.641	
1/21/2023	17:27:06	8.422		214	10.44	211.982	
1/21/2023	23:27:06	8.439		214	10.44	211.999	
1/22/2023	5:27:06	8.332		214	10.44	211.892	
1/22/2023	11:27:06	8.266		214	10.44	211.826	
1/22/2023	17:27:06	8.259		214	10.44	211.819	
1/22/2023	23:27:06	8.194		214	10.44	211.754	
1/23/2023	5:27:06	8.213		214	10.44	211.773	
1/23/2023	11:27:06	8.215		214	10.44	211.775	
1/23/2023	17:27:06	8.177		214	10.44	211.737	
1/23/2023	23:27:06	8.178		214	10.44	211.738	
1/24/2023	5:27:06	8.169		214	10.44	211.729	
1/24/2023	11:27:06	8.159		214	10.44	211.719	
1/24/2023	17:27:06	8.186		214	10.44	211.746	
1/24/2023	23:27:06	8.15		214	10.44	211.71	
1/25/2023	5:27:06	8.153		214	10.44	211.713	
1/25/2023	11:27:06	8.088		214	10.44	211.648	
1/25/2023	17:27:06	8.09		214	10.44	211.65	
1/25/2023	23:27:06	8.046		214	10.44	211.606	
1/26/2023	5:27:06	8.024		214	10.44	211.584	
1/26/2023	11:27:06	7.982		214	10.44	211.542	
1/26/2023	17:27:06	7.929	2.35	214	10.44	211.489	211.65
1/26/2023	23:27:06	7.895		214	10.44	211.455	
1/27/2023	5:27:06	8.011		214	10.44	211.571	
1/27/2023	11:27:06	8.07		214	10.44	211.63	
1/27/2023	17:27:06	7.984		214	10.44	211.544	
1/27/2023	23:27:06	7.993		214	10.44	211.553	
1/28/2023	5:27:06	8.023		214	10.44	211.583	
1/28/2023	11:27:06	7.989		214	10.44	211.549	
1/28/2023	17:27:06	8.074		214	10.44	211.634	
1/28/2023	23:27:06	8.14		214	10.44	211.7	
1/29/2023	5:27:06	8.063		214	10.44	211.623	
1/29/2023	11:27:06	7.972		214	10.44	211.532	
1/29/2023	17:27:06	7.943		214	10.44	211.503	
1/29/2023	23:27:06	7.952		214	10.44	211.512	
1/30/2023	5:27:06	7.925		214	10.44	211.485	
1/30/2023	11:27:06	7.884		214	10.44	211.444	
1/30/2023	17:27:06	7.815		214	10.44	211.375	
1/30/2023	23:27:06	7.89		214	10.44	211.45	
1/31/2023	5:27:06	7.857		214	10.44	211.417	
1/31/2023	11:27:06	7.817		214	10.44	211.377	
1/31/2023	17:27:06	7.854		214	10.44	211.414	

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)				DEPTH (ft)	TRANSDUCER
1/31/2023	23:27:06	7.9	214	214	10.44	211.46	
2/1/2023	5:27:06	7.849	214	214	10.44	211.409	
2/1/2023	11:27:06	7.854	214	214	10.44	211.414	
2/1/2023	17:27:06	7.871	214	214	10.44	211.431	
2/1/2023	23:27:06	7.894	214	214	10.44	211.454	
2/2/2023	5:27:06	7.844	214	214	10.44	211.404	
2/2/2023	11:27:06	7.824	214	214	10.44	211.384	
2/2/2023	17:27:06	7.778	214	214	10.44	211.338	
2/2/2023	23:27:06	7.679	214	214	10.44	211.239	
2/3/2023	5:27:06	7.769	214	214	10.44	211.329	
2/3/2023	11:27:06	7.873	214	214	10.44	211.433	
2/3/2023	17:27:06	7.986	214	214	10.44	211.546	
2/3/2023	23:27:06	7.931	214	214	10.44	211.491	
2/4/2023	5:27:06	7.882	214	214	10.44	211.442	
2/4/2023	11:27:06	7.904	214	214	10.44	211.464	
2/4/2023	17:27:06	7.891	214	214	10.44	211.451	
2/4/2023	23:27:06	7.877	214	214	10.44	211.437	
2/5/2023	5:27:06	8.116	214	214	10.44	211.676	
2/5/2023	11:27:06	8.165	214	214	10.44	211.725	
2/5/2023	17:27:06	8.242	214	214	10.44	211.802	
2/5/2023	23:27:06	8.161	214	214	10.44	211.721	
2/6/2023	5:27:06	8.002	214	214	10.44	211.562	
2/6/2023	11:27:06	7.974	214	214	10.44	211.534	
2/6/2023	17:27:06	7.895	214	214	10.44	211.455	
2/6/2023	23:27:06	7.893	214	214	10.44	211.453	
2/7/2023	5:27:06	7.898	214	214	10.44	211.458	
2/7/2023	11:27:06	8.083	214	214	10.44	211.643	
2/7/2023	17:27:06	8.325	214	214	10.44	211.885	
2/7/2023	23:27:06	8.36	214	214	10.44	211.92	
2/8/2023	5:27:06	8.336	214	214	10.44	211.896	
2/8/2023	11:27:06	8.245	214	214	10.44	211.805	
2/8/2023	17:27:06	8.183	214	214	10.44	211.743	
2/8/2023	23:27:06	8.112	214	214	10.44	211.672	
2/9/2023	5:27:06	8.045	214	214	10.44	211.605	
2/9/2023	11:27:06	8.049	214	214	10.44	211.609	
2/9/2023	17:27:06	8.097	214	214	10.44	211.657	
2/9/2023	23:27:06	8.24	214	214	10.44	211.8	
2/10/2023	5:27:06	8.126	214	214	10.44	211.686	
2/10/2023	11:27:06	8.084	214	214	10.44	211.644	
2/10/2023	17:27:06	8.107	214	214	10.44	211.667	
2/10/2023	23:27:06	8.103	214	214	10.44	211.663	
2/11/2023	5:27:06	8.04	214	214	10.44	211.6	
2/11/2023	11:27:06	7.995	214	214	10.44	211.555	
2/11/2023	17:27:06	7.979	214	214	10.44	211.539	
2/11/2023	23:27:06	8.013	214	214	10.44	211.573	
2/12/2023	5:27:06	7.94	214	214	10.44	211.5	
2/12/2023	11:27:06	7.877	214	214	10.44	211.437	

2.24

2.55

211.76

211.45

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RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
2/12/2023	17:27:06	7.853		214	10.44	211.413	
2/12/2023	23:27:06	7.89		214	10.44	211.45	
2/13/2023	5:27:06	7.904		214	10.44	211.464	
2/13/2023	11:27:06	7.948		214	10.44	211.508	
2/13/2023	17:27:06	8.031		214	10.44	211.591	
2/13/2023	23:27:06	8.018		214	10.44	211.578	
2/14/2023	5:27:06	8.108		214	10.44	211.668	
2/14/2023	11:27:06	8.057		214	10.44	211.617	
2/14/2023	17:27:06	7.989		214	10.44	211.549	
2/14/2023	23:27:06	7.942		214	10.44	211.502	
2/15/2023	5:27:06	7.887		214	10.44	211.447	
2/15/2023	11:27:06	7.844		214	10.44	211.404	
2/15/2023	17:27:06	7.826		214	10.44	211.386	
2/15/2023	23:27:06	7.786		214	10.44	211.346	
2/16/2023	5:27:06	7.821		214	10.44	211.381	
2/16/2023	11:27:06	7.839		214	10.44	211.399	
2/16/2023	17:27:06	7.871	2.54	214	10.44	211.431	211.46
2/16/2023	23:27:06	7.855		214	10.44	211.415	
2/17/2023	5:27:06	7.835		214	10.44	211.395	
2/17/2023	11:27:06	7.825		214	10.44	211.385	
2/17/2023	17:27:06	7.789		214	10.44	211.349	
2/17/2023	23:27:06	7.777		214	10.44	211.337	
2/18/2023	5:27:06	7.738		214	10.44	211.298	
2/18/2023	11:27:06	7.784		214	10.44	211.344	
2/18/2023	17:27:06	7.892		214	10.44	211.452	
2/18/2023	23:27:06	7.799		214	10.44	211.359	
2/19/2023	5:27:06	7.778		214	10.44	211.338	
2/19/2023	11:27:06	7.757		214	10.44	211.317	
2/19/2023	17:27:06	7.761		214	10.44	211.321	
2/19/2023	23:27:06	7.745		214	10.44	211.305	
2/20/2023	5:27:06	7.721		214	10.44	211.281	
2/20/2023	11:27:06	7.627		214	10.44	211.187	
2/20/2023	17:27:06	7.487		214	10.44	211.047	
2/20/2023	23:27:06	7.82		214	10.44	211.38	
2/21/2023	5:27:06	7.676		214	10.44	211.236	
2/21/2023	11:27:06	7.65		214	10.44	211.21	
2/21/2023	17:27:06	7.733		214	10.44	211.293	
2/21/2023	23:27:06	7.767		214	10.44	211.327	
2/22/2023	5:27:06	7.765		214	10.44	211.325	
2/22/2023	11:27:06	7.739		214	10.44	211.299	
2/22/2023	17:27:06	7.738		214	10.44	211.298	
2/22/2023	23:27:06	7.74		214	10.44	211.3	
2/23/2023	5:27:06	7.774		214	10.44	211.334	
2/23/2023	11:27:06	7.783		214	10.44	211.343	
2/23/2023	17:27:06	7.814		214	10.44	211.374	
2/23/2023	23:27:06	7.791		214	10.44	211.351	
2/24/2023	5:27:06	7.717		214	10.44	211.277	

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)				DEPTH (ft)	TRANSDUCER
2/24/2023	11:27:06	7.606	2.74	214	10.44	211.166	211.26
2/24/2023	17:27:06	7.653		214	10.44	211.213	
2/24/2023	23:27:06	7.643		214	10.44	211.203	
2/25/2023	5:27:06	7.591		214	10.44	211.151	
2/25/2023	11:27:06	7.434		214	10.44	210.994	
2/25/2023	17:27:06	7.5		214	10.44	211.06	
2/25/2023	23:27:06	7.537		214	10.44	211.097	
2/26/2023	5:27:06	7.796		214	10.44	211.356	
2/26/2023	11:27:06	7.861		214	10.44	211.421	
2/26/2023	17:27:06	7.828		214	10.44	211.388	
2/26/2023	23:27:06	7.74	2.51	214	10.44	211.3	
2/27/2023	5:27:06	7.628		214	10.44	211.188	
2/27/2023	11:27:06	7.751		214	10.44	211.311	
2/27/2023	17:27:06	7.747		214	10.44	211.307	
2/27/2023	23:27:06	7.835		214	10.44	211.395	
2/28/2023	5:27:06	7.912		214	10.44	211.472	
2/28/2023	11:27:06	7.844		214	10.44	211.404	
2/28/2023	17:27:06	7.918		214	10.44	211.478	
2/28/2023	23:27:06	7.913		214	10.44	211.473	
3/1/2023	5:27:06	7.844		214	10.44	211.404	
3/1/2023	11:27:06	7.742	211.49	214	10.44	211.302	
3/1/2023	17:27:06	7.67		214	10.44	211.23	
3/1/2023	23:27:06	7.604		214	10.44	211.164	
3/2/2023	5:27:06	7.609		214	10.44	211.169	
3/2/2023	11:27:06	7.919		214	10.44	211.479	
3/2/2023	17:27:06	7.971		214	10.44	211.531	
3/2/2023	23:27:06	7.912		214	10.44	211.472	
3/3/2023	5:27:06	7.876		214	10.44	211.436	
3/3/2023	11:27:06	7.816		214	10.44	211.376	
3/3/2023	17:27:06	7.815		214	10.44	211.375	
3/3/2023	23:27:06	7.913		214	10.44	211.473	
3/4/2023	5:27:06	8.002		214	10.44	211.562	
3/4/2023	11:27:06	8.191		214	10.44	211.751	
3/4/2023	17:27:06	8.363		214	10.44	211.923	
3/4/2023	23:27:06	8.264		214	10.44	211.824	
3/5/2023	5:27:06	8.22		214	10.44	211.78	
3/5/2023	11:27:06	8.165		214	10.44	211.725	
3/5/2023	17:27:06	8.219		214	10.44	211.779	
3/5/2023	23:27:06	8.154		214	10.44	211.714	
3/6/2023	5:27:06	8.092		214	10.44	211.652	
3/6/2023	11:27:06	8.049		214	10.44	211.609	
3/6/2023	17:27:06	8.029		214	10.44	211.589	
3/6/2023	23:27:06	8.021		214	10.44	211.581	
3/7/2023	5:27:06	7.976		214	10.44	211.536	
3/7/2023	11:27:06	7.941		214	10.44	211.501	
3/7/2023	17:27:06	7.954		214	10.44	211.514	
3/7/2023	23:27:06	7.934		214	10.44	211.494	

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RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
3/8/2023	5:27:06	7.969		214	10.44	211.529	
3/8/2023	11:27:06	7.986		214	10.44	211.546	
3/8/2023	17:27:06	7.996		214	10.44	211.556	
3/8/2023	23:27:06	7.936		214	10.44	211.496	
3/9/2023	5:27:06	7.854		214	10.44	211.414	
3/9/2023	11:27:06	7.817		214	10.44	211.377	
3/9/2023	17:27:06	7.745	2.36	214	10.44	211.305	211.64
3/9/2023	23:27:06	7.836		214	10.44	211.396	
3/10/2023	5:27:06	8.1		214	10.44	211.66	
3/10/2023	11:27:06	8.159		214	10.44	211.719	
3/10/2023	17:27:06	8.142		214	10.44	211.702	
3/10/2023	23:27:06	8.101		214	10.44	211.661	
3/11/2023	5:27:06	8.022		214	10.44	211.582	
3/11/2023	11:27:06	7.983		214	10.44	211.543	
3/11/2023	17:27:06	7.991		214	10.44	211.551	
3/11/2023	23:27:06	7.938		214	10.44	211.498	
3/12/2023	5:27:06	7.895		214	10.44	211.455	
3/12/2023	11:27:06	7.839		214	10.44	211.399	
3/12/2023	17:27:06	7.901		214	10.44	211.461	
3/12/2023	23:27:06	7.98		214	10.44	211.54	
3/13/2023	5:27:06	8.148		214	10.44	211.708	
3/13/2023	11:27:06	8.206		214	10.44	211.766	
3/13/2023	17:27:06	8.223		214	10.44	211.783	
3/13/2023	23:27:06	8.211		214	10.44	211.771	
3/14/2023	5:27:06	8.07		214	10.44	211.63	
3/14/2023	11:27:06	7.974		214	10.44	211.534	
3/14/2023	17:27:06	8.101		214	10.44	211.661	
3/14/2023	23:27:06	8.21		214	10.44	211.77	
3/15/2023	5:27:06	8.209		214	10.44	211.769	
3/15/2023	11:27:06	8.078		214	10.44	211.638	
3/15/2023	17:27:06	8.037		214	10.44	211.597	
3/15/2023	23:27:06	7.968		214	10.44	211.528	
3/16/2023	5:27:06	7.937		214	10.44	211.497	
3/16/2023	11:27:06	7.857		214	10.44	211.417	
3/16/2023	17:27:06	7.872	2.45	214	10.44	211.432	211.55
3/16/2023	23:27:06	7.967		214	10.44	211.527	
3/17/2023	5:27:06	7.918		214	10.44	211.478	
3/17/2023	11:27:06	7.846		214	10.44	211.406	
3/17/2023	17:27:06	7.88		214	10.44	211.44	
3/17/2023	23:27:06	7.888		214	10.44	211.448	
3/18/2023	5:27:06	7.837		214	10.44	211.397	
3/18/2023	11:27:06	7.776		214	10.44	211.336	
3/18/2023	17:27:06	7.802		214	10.44	211.362	
3/18/2023	23:27:06	7.815		214	10.44	211.375	
3/19/2023	5:27:06	7.758		214	10.44	211.318	
3/19/2023	11:27:06	7.773		214	10.44	211.333	
3/19/2023	17:27:06	7.792		214	10.44	211.352	

DATE	TRANSDUCER		MANUAL MEASUREMENT (ft)	SURFACE ELEVATION (ft)	DEPTH (ft)	WELL	
	TIME	LEVEL (ft)				WATER LEVEL ELEVATION (ft)	TRANSDUCER

3/19/2023	23:27:06	7.821	214	214	10.44	211.381	211.35
3/20/2023	5:27:06	7.917	214	214	10.44	211.477	
3/20/2023	11:27:06	7.913	214	214	10.44	211.473	
3/20/2023	17:27:06	7.925	214	214	10.44	211.485	
3/20/2023	23:27:06	7.892	214	214	10.44	211.452	
3/21/2023	5:27:06	7.821	214	214	10.44	211.381	
3/21/2023	11:27:06	7.745	214	214	10.44	211.305	
3/21/2023	17:27:06	7.812	214	214	10.44	211.372	
3/21/2023	23:27:06	7.829	214	214	10.44	211.389	
3/22/2023	5:27:06	7.842	214	214	10.44	211.402	
3/22/2023	11:27:06	7.775	214	214	10.44	211.335	
3/22/2023	17:27:06	7.834	214	214	10.44	211.394	
3/22/2023	23:27:06	7.817	214	214	10.44	211.377	
3/23/2023	5:27:06	7.738	214	214	10.44	211.298	
3/23/2023	11:27:06	7.742	214	214	10.44	211.302	
3/23/2023	17:27:06	7.889	214	214	10.44	211.449	
3/23/2023	23:27:06	7.73	214	214	10.44	211.29	
3/24/2023	5:27:06	7.786	214	214	10.44	211.346	
3/24/2023	11:27:06	7.732	214	214	10.44	211.292	
3/24/2023	17:27:06	7.738	214	214	10.44	211.298	
3/24/2023	23:27:06	7.698	214	214	10.44	211.258	
3/25/2023	5:27:06	7.741	214	214	10.44	211.301	
3/25/2023	11:27:06	7.666	214	214	10.44	211.226	211.14
3/25/2023	17:27:06	7.682	214	214	10.44	211.242	
3/25/2023	23:27:06	7.695	214	214	10.44	211.255	
3/26/2023	5:27:06	7.666	214	214	10.44	211.226	
3/26/2023	11:27:06	7.652	214	214	10.44	211.212	
3/26/2023	17:27:06	7.658	214	214	10.44	211.218	
3/26/2023	23:27:06	7.641	214	214	10.44	211.201	
3/27/2023	5:27:06	7.577	214	214	10.44	211.137	
3/27/2023	11:27:06	7.477	214	214	10.44	211.037	
3/27/2023	17:27:06	7.513	214	214	10.44	211.073	
3/27/2023	23:27:06	7.549	214	214	10.44	211.109	
3/28/2023	5:27:06	7.586	214	214	10.44	211.146	
3/28/2023	11:27:06	7.55	214	214	10.44	211.11	
3/28/2023	17:27:06	7.685	214	214	10.44	211.245	
3/28/2023	23:27:06	7.583	214	214	10.44	211.143	
3/29/2023	5:27:06	7.616	214	214	10.44	211.176	
3/29/2023	11:27:06	7.553	214	214	10.44	211.113	
3/29/2023	17:27:06	7.546	214	214	10.44	211.106	
3/29/2023	23:27:06	7.585	214	214	10.44	211.145	
3/30/2023	5:27:06	7.584	214	214	10.44	211.144	
3/30/2023	11:27:06	7.559	214	214	10.44	211.119	
3/30/2023	17:27:06	7.585	214	214	10.44	211.145	
3/30/2023	23:27:06	7.532	214	214	10.44	211.092	
3/31/2023	5:27:06	7.507	214	214	10.44	211.067	
3/31/2023	11:27:06	7.511	214	214	10.44	211.071	

MW-2

RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
3/31/2023	17:27:06	7.448		214	10.44	211.008	
3/31/2023	23:27:06	7.826		214	10.44	211.386	
4/1/2023	5:27:06	7.831		214	10.44	211.391	
4/1/2023	11:27:06	7.861		214	10.44	211.421	
4/1/2023	17:27:06	7.863		214	10.44	211.423	
4/1/2023	23:27:06	7.781		214	10.44	211.341	
4/2/2023	5:27:06	7.87		214	10.44	211.43	
4/2/2023	11:27:06	7.946		214	10.44	211.506	
4/2/2023	17:27:06	7.994		214	10.44	211.554	
4/2/2023	23:27:06	7.976		214	10.44	211.536	
4/3/2023	5:27:06	7.999		214	10.44	211.559	
4/3/2023	11:27:06	7.915		214	10.44	211.475	
4/3/2023	17:27:06	7.885		214	10.44	211.445	
4/3/2023	23:27:06	7.874		214	10.44	211.434	
4/4/2023	5:27:06	7.901		214	10.44	211.461	
4/4/2023	11:27:06	7.863		214	10.44	211.423	
4/4/2023	17:27:06	7.821		214	10.44	211.381	
4/4/2023	23:27:06	7.821		214	10.44	211.381	
4/5/2023	5:27:06	7.767		214	10.44	211.327	
4/5/2023	11:27:06	7.699		214	10.44	211.259	
4/5/2023	17:27:06	7.697	2.62	214	10.44	211.257	211.38
4/5/2023	23:27:06	7.685		214	10.44	211.245	
4/6/2023	5:27:06	7.699		214	10.44	211.259	
4/6/2023	11:27:06	7.806		214	10.44	211.366	
4/6/2023	17:27:06	7.908		214	10.44	211.468	
4/6/2023	23:27:06	8.085		214	10.44	211.645	
4/7/2023	5:27:06	8.121		214	10.44	211.681	
4/7/2023	11:27:06	8.165		214	10.44	211.725	
4/7/2023	17:27:06	8.208		214	10.44	211.768	
4/7/2023	23:27:06	8.095		214	10.44	211.655	
4/8/2023	5:27:06	8.052		214	10.44	211.612	
4/8/2023	11:27:06	8.088		214	10.44	211.648	
4/8/2023	17:27:06	8.032		214	10.44	211.592	
4/8/2023	23:27:06	7.972		214	10.44	211.532	
4/9/2023	5:27:06	7.989		214	10.44	211.549	
4/9/2023	11:27:06	7.982		214	10.44	211.542	
4/9/2023	17:27:06	8.179		214	10.44	211.739	
4/9/2023	23:27:06	8.208		214	10.44	211.768	
4/10/2023	5:27:06	8.13		214	10.44	211.69	
4/10/2023	11:27:06	8.17		214	10.44	211.73	
4/10/2023	17:27:06	8.234		214	10.44	211.794	
4/10/2023	23:27:06	8.263		214	10.44	211.823	
4/11/2023	5:27:06	8.349		214	10.44	211.909	
4/11/2023	11:27:06	8.343		214	10.44	211.903	
4/11/2023	17:27:06	8.254		214	10.44	211.814	
4/11/2023	23:27:06	8.202		214	10.44	211.762	
4/12/2023	5:27:06	8.313		214	10.44	211.873	

DATE	TRANSDUCER		MANUAL	MEASUREMENT (ft)	SURFACE	DEPTH (ft)	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)						TRANSDUCER	MANUAL

4/12/2023	11:27:06	8.276	214	214	10.44	211.836			
4/12/2023	17:27:06	8.22	214	214	10.44	211.78			
4/12/2023	23:27:06	8.223	214	214	10.44	211.783			
4/13/2023	5:27:06	8.158	214	214	10.44	211.718			
4/13/2023	11:27:06	8.128	214	214	10.44	211.688			
4/13/2023	17:27:06	8.194	214	214	10.44	211.754			
4/13/2023	23:27:06	8.192	214	214	10.44	211.752			
4/14/2023	5:27:06	8.203	214	214	10.44	211.763			
4/14/2023	11:27:06	8.131	214	214	10.44	211.691			
4/14/2023	17:27:06	8.112	214	214	10.44	211.672			
4/14/2023	23:27:06	8.138	214	214	10.44	211.698			
4/15/2023	5:27:06	8.119	214	214	10.44	211.679			
4/15/2023	11:27:06	8.078	214	214	10.44	211.638			
4/15/2023	17:27:06	7.999	214	214	10.44	211.559			
4/15/2023	23:27:06	7.985	214	214	10.44	211.545			
4/16/2023	5:27:06	7.976	214	214	10.44	211.536			
4/16/2023	11:27:06	8.144	214	214	10.44	211.704			
4/16/2023	17:27:06	8.192	214	214	10.44	211.752			
4/16/2023	23:27:06	8.017	214	214	10.44	211.577			
4/17/2023	5:27:06	7.933	214	214	10.44	211.493			
4/17/2023	11:27:06	7.973	214	214	10.44	211.533			
4/17/2023	17:27:06	8.063	214	214	10.44	211.623			
4/17/2023	23:27:06	8.093	214	214	10.44	211.653			
4/18/2023	5:27:06	8.253	214	214	10.44	211.813			
4/18/2023	11:27:06	8.312	214	214	10.44	211.872			
4/18/2023	17:27:06	8.323	214	214	10.44	211.883			
4/18/2023	23:27:06	8.289	214	214	10.44	211.849			
4/19/2023	5:27:06	8.385	214	214	10.44	211.945			
4/19/2023	11:27:06	8.371	214	214	10.44	211.931			
4/19/2023	17:27:06	8.345	214	214	10.44	211.905			
4/19/2023	23:27:06	8.297	214	214	10.44	211.857			
4/20/2023	5:27:06	8.181	214	214	10.44	211.741			
4/20/2023	11:27:06	8.098	214	214	10.44	211.658			
4/20/2023	17:27:06	8.236	214	214	10.44	211.796			
4/20/2023	23:27:06	8.452	214	214	10.44	212.012			
4/21/2023	5:27:06	8.393	214	214	10.44	211.953			
4/21/2023	11:27:06	8.342	214	214	10.44	211.902			
4/21/2023	17:27:06	8.268	214	214	10.44	211.828			
4/21/2023	23:27:06	8.195	214	214	10.44	211.755			
4/22/2023	5:27:06	8.199	214	214	10.44	211.759			
4/22/2023	11:27:06	8.123	214	214	10.44	211.683			
4/22/2023	17:27:06	8.135	214	214	10.44	211.695			
4/22/2023	23:27:06	8.135	214	214	10.44	211.695			
4/23/2023	5:27:06	8.337	214	214	10.44	211.897			
4/23/2023	11:27:06	8.29	214	214	10.44	211.85			
4/23/2023	17:27:06	8.22	214	214	10.44	211.78			
4/23/2023	23:27:06	8.363	214	214	10.44	211.923			

2.3

211.7

MW-2

RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
4/24/2023	5:27:06	8.445		214	10.44	212.005	
4/24/2023	11:27:06	8.337		214	10.44	211.897	
4/24/2023	17:27:06	8.322		214	10.44	211.882	
4/24/2023	23:27:06	8.26		214	10.44	211.82	
4/25/2023	5:27:06	8.216		214	10.44	211.776	
4/25/2023	11:27:06	8.166		214	10.44	211.726	
4/25/2023	17:27:06	8.141		214	10.44	211.701	
4/25/2023	23:27:06	8.146		214	10.44	211.706	
4/26/2023	5:27:06	8.16		214	10.44	211.72	
4/26/2023	11:27:06	8.066		214	10.44	211.626	
4/26/2023	17:27:06	8.124		214	10.44	211.684	
4/26/2023	23:27:06	8.128		214	10.44	211.688	
4/27/2023	5:27:06	8.098		214	10.44	211.658	
4/27/2023	11:27:06	8.003		214	10.44	211.563	
4/27/2023	17:27:06	7.997		214	10.44	211.557	
4/27/2023	23:27:06	7.995		214	10.44	211.555	
4/28/2023	5:27:06	7.99		214	10.44	211.55	
4/28/2023	11:27:06	7.875		214	10.44	211.435	
4/28/2023	17:27:06	7.943		214	10.44	211.503	
4/28/2023	23:27:06	8.063		214	10.44	211.623	
4/29/2023	5:27:06	8.014		214	10.44	211.574	
4/29/2023	11:27:06	7.868		214	10.44	211.428	
4/29/2023	17:27:06	7.868		214	10.44	211.428	
4/29/2023	23:27:06	7.925		214	10.44	211.485	
4/30/2023	5:27:06	7.894		214	10.44	211.454	
4/30/2023	11:27:06	7.864		214	10.44	211.424	
4/30/2023	17:27:06	7.84		214	10.44	211.4	
4/30/2023	23:27:06	7.838		214	10.44	211.398	
5/1/2023	5:27:06	7.839		214	10.44	211.399	
5/1/2023	11:27:06	7.799	2.57	214	10.44	211.359	211.43

Approximate Ground Surface = 220 feet
 Based on Thurston County elevation data

DATE	TRANSDUCER		SURFACE ELEVATION (ft)	WELL	WATER LEVEL ELEVATION (ft)
	TIME	LEVEL (ft)			
1/9/2023	17:28:34	--	220	12.79	211.26
1/12/2023	17:28:34	--	220	12.79	214.39
1/19/2023	17:28:34	--	220	12.79	214.12
1/26/2023	17:28:34	--	220	12.79	213.68
2/2/2023	17:28:34	--	220	12.79	213.17
2/9/2023	17:28:34	--	220	12.79	213.93
2/16/2023	17:28:34	--	220	12.79	213.24
2/24/2023	17:28:34	--	220	12.79	212.73
3/2/2023	17:28:34	--	220	12.79	212.69
3/9/2023	17:28:34	--	220	12.79	213.6
3/16/2023	17:28:34	--	220	12.79	213.53
3/23/2023	17:28:34	--	220	12.79	212.98
3/30/2023	17:28:34	--	220	12.79	212.64
4/5/2023	17:28:34	--	220	12.79	212.98
4/17/2023	17:28:34	--	220	12.79	213.82
5/1/2023	11:28:34	--	220	12.79	213.3

*Note: The transducer for MW-3 failed upon deployment. No transducer data was collected for this location.

MW-4

RJ Development

2400 24th Avenue NW, Olympia, WA

LEVEL

UNIT: ft

TEMPERATURE

UNIT: °F

Approximate Ground Surface = 213 feet

Based on Thurston County elevation data

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
1/9/2023	17:31:40	5.6099	0.87	213	6.16	212.4499	212.13
1/9/2023	23:31:40	5.6402		213	6.16	212.4802	
1/10/2023	5:31:40	5.4942		213	6.16	212.3342	
1/10/2023	11:31:40	5.4737		213	6.16	212.3137	
1/10/2023	17:31:40	5.5417		213	6.16	212.3817	
1/10/2023	23:31:40	5.5632		213	6.16	212.4032	
1/11/2023	5:31:40	5.4661		213	6.16	212.3061	
1/11/2023	11:31:40	5.3367		213	6.16	212.1767	
1/11/2023	17:31:40	5.3975		213	6.16	212.2375	
1/11/2023	23:31:40	5.3988		213	6.16	212.2388	
1/12/2023	5:31:40	5.4951		213	6.16	212.3351	
1/12/2023	11:31:40	5.4481		213	6.16	212.2881	
1/12/2023	17:31:40	5.4909	0.55	213	6.16	212.3309	212.45
1/12/2023	23:31:40	5.342		213	6.16	212.182	
1/13/2023	5:31:40	5.4117		213	6.16	212.2517	
1/13/2023	11:31:40	5.4045		213	6.16	212.2445	
1/13/2023	17:31:40	5.3925		213	6.16	212.2325	
1/13/2023	23:31:40	5.416		213	6.16	212.256	
1/14/2023	5:31:40	5.2905		213	6.16	212.1305	
1/14/2023	11:31:40	5.2226		213	6.16	212.0626	
1/14/2023	17:31:40	5.3906		213	6.16	212.2306	
1/14/2023	23:31:40	5.4095		213	6.16	212.2495	
1/15/2023	5:31:40	5.3878		213	6.16	212.2278	
1/15/2023	11:31:40	5.5354		213	6.16	212.3754	
1/15/2023	17:31:40	5.6166		213	6.16	212.4566	
1/15/2023	23:31:40	5.5946		213	6.16	212.4346	
1/16/2023	5:31:40	5.5313		213	6.16	212.3713	
1/16/2023	11:31:40	5.4959		213	6.16	212.3359	
1/16/2023	17:31:40	5.5216		213	6.16	212.3616	
1/16/2023	23:31:40	5.4718		213	6.16	212.3118	
1/17/2023	5:31:40	5.4624		213	6.16	212.3024	
1/17/2023	11:31:40	5.4079		213	6.16	212.2479	
1/17/2023	17:31:40	5.3773		213	6.16	212.2173	
1/17/2023	23:31:40	5.3476		213	6.16	212.1876	
1/18/2023	5:31:40	5.3341		213	6.16	212.1741	
1/18/2023	11:31:40	5.5208		213	6.16	212.3608	
1/18/2023	17:31:40	5.5417		213	6.16	212.3817	
1/18/2023	23:31:40	5.5419		213	6.16	212.3819	
1/19/2023	5:31:40	5.5137		213	6.16	212.3537	
1/19/2023	11:31:40	5.4602		213	6.16	212.3002	
1/19/2023	17:31:40	5.5579	0.69	213	6.16	212.3979	212.31
1/19/2023	23:31:40	5.4938		213	6.16	212.3338	

DATE	TIME	LEVEL (ft)	MEASUREMENT (ft)	SURFACE ELEVATION (ft)	WELL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	
						TRANSDUCER	MANUAL
1/20/2023	5:31:40	5.4419	213	213	6.16	212.2819	
1/20/2023	11:31:40	5.4205	213	213	6.16	212.2605	
1/20/2023	17:31:40	5.3886	213	213	6.16	212.2286	
1/20/2023	23:31:40	5.3838	213	213	6.16	212.2238	
1/21/2023	5:31:40	5.2858	213	213	6.16	212.1258	
1/21/2023	11:31:40	5.2981	213	213	6.16	212.1381	
1/21/2023	17:31:40	5.6005	213	213	6.16	212.4405	
1/21/2023	23:31:40	5.618	213	213	6.16	212.458	
1/22/2023	5:31:40	5.5101	213	213	6.16	212.3501	
1/22/2023	11:31:40	5.4621	213	213	6.16	212.3021	
1/22/2023	17:31:40	5.4614	213	213	6.16	212.3014	
1/22/2023	23:31:40	5.408	213	213	6.16	212.248	
1/23/2023	5:31:40	5.4318	213	213	6.16	212.2718	
1/23/2023	11:31:40	5.4378	213	213	6.16	212.2778	
1/23/2023	17:31:40	5.4168	213	213	6.16	212.2568	
1/23/2023	23:31:40	5.4198	213	213	6.16	212.2598	
1/24/2023	5:31:40	5.4212	213	213	6.16	212.2612	
1/24/2023	11:31:40	5.4173	213	213	6.16	212.2573	
1/24/2023	17:31:40	5.4496	213	213	6.16	212.2896	
1/24/2023	23:31:40	5.424	213	213	6.16	212.264	
1/25/2023	5:31:40	5.4285	213	213	6.16	212.2685	
1/25/2023	11:31:40	5.3718	213	213	6.16	212.2118	
1/25/2023	17:31:40	5.3783	213	213	6.16	212.2183	
1/25/2023	23:31:40	5.3388	213	213	6.16	212.1788	
1/26/2023	5:31:40	5.3204	213	213	6.16	212.1604	
1/26/2023	11:31:40	5.284	213	213	6.16	212.124	
1/26/2023	17:31:40	5.2273	213	213	6.16	212.0673	212.21
1/26/2023	23:31:40	5.1902	213	213	6.16	212.0302	
1/27/2023	5:31:40	5.3116	213	213	6.16	212.1516	
1/27/2023	11:31:40	5.3793	213	213	6.16	212.2193	
1/27/2023	17:31:40	5.2961	213	213	6.16	212.1361	
1/27/2023	23:31:40	5.3156	213	213	6.16	212.1556	
1/28/2023	5:31:40	5.345	213	213	6.16	212.185	
1/28/2023	11:31:40	5.3203	213	213	6.16	212.1603	
1/28/2023	17:31:40	5.4182	213	213	6.16	212.2582	
1/28/2023	23:31:40	5.49	213	213	6.16	212.33	
1/29/2023	5:31:40	5.4114	213	213	6.16	212.2514	
1/29/2023	11:31:40	5.3235	213	213	6.16	212.1635	
1/29/2023	17:31:40	5.2998	213	213	6.16	212.1398	
1/29/2023	23:31:40	5.3137	213	213	6.16	212.1537	
1/30/2023	5:31:40	5.2915	213	213	6.16	212.1315	
1/30/2023	11:31:40	5.2465	213	213	6.16	212.0865	
1/30/2023	17:31:40	5.1738	213	213	6.16	212.0138	
1/30/2023	23:31:40	5.2536	213	213	6.16	212.0936	
1/31/2023	5:31:40	5.2317	213	213	6.16	212.0717	
1/31/2023	11:31:40	5.1832	213	213	6.16	212.0232	
1/31/2023	17:31:40	5.2321	213	213	6.16	212.0721	

MW-4

RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
1/31/2023	23:31:40	5.273		213	6.16	212.113	
2/1/2023	5:31:40	5.23		213	6.16	212.07	
2/1/2023	11:31:40	5.233		213	6.16	212.073	
2/1/2023	17:31:40	5.2596		213	6.16	212.0996	
2/1/2023	23:31:40	5.2786		213	6.16	212.1186	
2/2/2023	5:31:40	5.2323		213	6.16	212.0723	
2/2/2023	11:31:40	5.2128		213	6.16	212.0528	
2/2/2023	17:31:40	5.1722	0.91	213	6.16	212.0122	212.09
2/2/2023	23:31:40	5.0663		213	6.16	211.9063	
2/3/2023	5:31:40	5.1464		213	6.16	211.9864	
2/3/2023	11:31:40	5.2701		213	6.16	212.1101	
2/3/2023	17:31:40	5.3662		213	6.16	212.2062	
2/3/2023	23:31:40	5.2732		213	6.16	212.1132	
2/4/2023	5:31:40	5.2044		213	6.16	212.0444	
2/4/2023	11:31:40	5.2067		213	6.16	212.0467	
2/4/2023	17:31:40	5.1972		213	6.16	212.0372	
2/4/2023	23:31:40	5.1834		213	6.16	212.0234	
2/5/2023	5:31:40	5.4072		213	6.16	212.2472	
2/5/2023	11:31:40	5.4939		213	6.16	212.3339	
2/5/2023	17:31:40	5.5476		213	6.16	212.3876	
2/5/2023	23:31:40	5.4609		213	6.16	212.3009	
2/6/2023	5:31:40	5.2962		213	6.16	212.1362	
2/6/2023	11:31:40	5.2607		213	6.16	212.1007	
2/6/2023	17:31:40	5.1784		213	6.16	212.0184	
2/6/2023	23:31:40	5.1738		213	6.16	212.0138	
2/7/2023	5:31:40	5.1567		213	6.16	211.9967	
2/7/2023	11:31:40	5.3052		213	6.16	212.1452	
2/7/2023	17:31:40	5.4972		213	6.16	212.3372	
2/7/2023	23:31:40	5.5729		213	6.16	212.4129	
2/8/2023	5:31:40	5.5242		213	6.16	212.3642	
2/8/2023	11:31:40	5.4182		213	6.16	212.2582	
2/8/2023	17:31:40	5.3526		213	6.16	212.1926	
2/8/2023	23:31:40	5.2905		213	6.16	212.1305	
2/9/2023	5:31:40	5.2333		213	6.16	212.0733	
2/9/2023	11:31:40	5.2466		213	6.16	212.0866	
2/9/2023	17:31:40	5.3045	0.78	213	6.16	212.1445	212.22
2/9/2023	23:31:40	5.4714		213	6.16	212.3114	
2/10/2023	5:31:40	5.3717		213	6.16	212.2117	
2/10/2023	11:31:40	5.3354		213	6.16	212.1754	
2/10/2023	17:31:40	5.3772		213	6.16	212.2172	
2/10/2023	23:31:40	5.3763		213	6.16	212.2163	
2/11/2023	5:31:40	5.3267		213	6.16	212.1667	
2/11/2023	11:31:40	5.2865		213	6.16	212.1265	
2/11/2023	17:31:40	5.2736		213	6.16	212.1136	
2/11/2023	23:31:40	5.3167		213	6.16	212.1567	
2/12/2023	5:31:40	5.2446		213	6.16	212.0846	
2/12/2023	11:31:40	5.1919		213	6.16	212.0319	

DATE	TRANSDUCER		MANUAL	MEASUREMENT (ft)	SURFACE ELEVATION (ft)	WELL	TRANSDUCER		WATER LEVEL ELEVATION (ft)
	TIME	LEVEL (ft)					DEPTH (ft)	MANUAL	

2/12/2023	17:31:40	5.1557	213	213	6.16	211.9957			
2/12/2023	23:31:40	5.1977	213	213	6.16	212.0377			
2/13/2023	5:31:40	5.2376	213	213	6.16	212.0776			
2/13/2023	11:31:40	5.271	213	213	6.16	212.111			
2/13/2023	17:31:40	5.3443	213	213	6.16	212.1843			
2/13/2023	23:31:40	5.3355	213	213	6.16	212.1755			
2/14/2023	5:31:40	5.4379	213	213	6.16	212.2779			
2/14/2023	11:31:40	5.3957	213	213	6.16	212.2357			
2/14/2023	17:31:40	5.3311	213	213	6.16	212.1711			
2/14/2023	23:31:40	5.2869	213	213	6.16	212.1269			
2/15/2023	5:31:40	5.2364	213	213	6.16	212.0764			
2/15/2023	11:31:40	5.1951	213	213	6.16	212.0351			
2/15/2023	17:31:40	5.1739	213	213	6.16	212.0139			
2/15/2023	23:31:40	5.1411	213	213	6.16	211.9811			
2/16/2023	5:31:40	5.1805	213	213	6.16	212.0205			
2/16/2023	11:31:40	5.1984	213	213	6.16	212.0384			
2/16/2023	17:31:40	5.2446	213	213	6.16	212.0846		212.03	
2/16/2023	23:31:40	5.2263	213	213	6.16	212.0663			
2/17/2023	5:31:40	5.2115	213	213	6.16	212.0515			
2/17/2023	11:31:40	5.2087	213	213	6.16	212.0487			
2/17/2023	17:31:40	5.1647	213	213	6.16	212.0047			
2/17/2023	23:31:40	5.1536	213	213	6.16	211.9936			
2/18/2023	5:31:40	5.1193	213	213	6.16	211.9593			
2/18/2023	11:31:40	5.1673	213	213	6.16	212.0073			
2/18/2023	17:31:40	5.2768	213	213	6.16	212.1168			
2/18/2023	23:31:40	5.1917	213	213	6.16	212.0317			
2/19/2023	5:31:40	5.1753	213	213	6.16	212.0153			
2/19/2023	11:31:40	5.146	213	213	6.16	211.986			
2/19/2023	17:31:40	5.1566	213	213	6.16	211.9966			
2/19/2023	23:31:40	5.138	213	213	6.16	211.978			
2/20/2023	5:31:40	5.1181	213	213	6.16	211.9581			
2/20/2023	11:31:40	5.0239	213	213	6.16	211.8639			
2/20/2023	17:31:40	4.8725	213	213	6.16	211.7125			
2/20/2023	23:31:40	5.2133	213	213	6.16	212.0533			
2/21/2023	5:31:40	5.0687	213	213	6.16	211.9087			
2/21/2023	11:31:40	5.0381	213	213	6.16	211.8781			
2/21/2023	17:31:40	5.1253	213	213	6.16	211.9653			
2/21/2023	23:31:40	5.1729	213	213	6.16	212.0129			
2/22/2023	5:31:40	5.174	213	213	6.16	212.014			
2/22/2023	11:31:40	5.1532	213	213	6.16	211.9932			
2/22/2023	17:31:40	5.1539	213	213	6.16	211.9939			
2/22/2023	23:31:40	5.1629	213	213	6.16	212.0029			
2/23/2023	5:31:40	5.2042	213	213	6.16	212.0442			
2/23/2023	11:31:40	5.2236	213	213	6.16	212.0636			
2/23/2023	17:31:40	5.2546	213	213	6.16	212.0946			
2/23/2023	23:31:40	5.2378	213	213	6.16	212.0778			
2/24/2023	5:31:40	5.1594	213	213	6.16	211.9994			

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RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
2/24/2023	11:31:40	5.0536		213	6.16	211.8936	
2/24/2023	17:31:40	5.0947	1.11	213	6.16	211.9347	211.89
2/24/2023	23:31:40	5.087		213	6.16	211.927	
2/25/2023	5:31:40	5.0298		213	6.16	211.8698	
2/25/2023	11:31:40	4.8739		213	6.16	211.7139	
2/25/2023	17:31:40	4.9384		213	6.16	211.7784	
2/25/2023	23:31:40	4.9705		213	6.16	211.8105	
2/26/2023	5:31:40	5.3111		213	6.16	212.1511	
2/26/2023	11:31:40	5.3912		213	6.16	212.2312	
2/26/2023	17:31:40	5.28		213	6.16	212.12	
2/26/2023	23:31:40	5.1702		213	6.16	212.0102	
2/27/2023	5:31:40	5.0331		213	6.16	211.8731	
2/27/2023	11:31:40	5.1585		213	6.16	211.9985	
2/27/2023	17:31:40	5.1385		213	6.16	211.9785	
2/27/2023	23:31:40	5.2256		213	6.16	212.0656	
2/28/2023	5:31:40	5.3041		213	6.16	212.1441	
2/28/2023	11:31:40	5.2329		213	6.16	212.0729	
2/28/2023	17:31:40	5.3183		213	6.16	212.1583	
2/28/2023	23:31:40	5.3172		213	6.16	212.1572	
3/1/2023	5:31:40	5.2525		213	6.16	212.0925	
3/1/2023	11:31:40	5.1558		213	6.16	211.9958	
3/1/2023	17:31:40	5.0808		213	6.16	211.9208	
3/1/2023	23:31:40	5.0071		213	6.16	211.8471	
3/2/2023	5:31:40	4.9859		213	6.16	211.8259	
3/2/2023	11:31:40	5.2672		213	6.16	212.1072	
3/2/2023	17:31:40	5.3259	0.95	213	6.16	212.1659	212.05
3/2/2023	23:31:40	5.2436		213	6.16	212.0836	
3/3/2023	5:31:40	5.1987		213	6.16	212.0387	
3/3/2023	11:31:40	5.1211		213	6.16	211.9611	
3/3/2023	17:31:40	5.127		213	6.16	211.967	
3/3/2023	23:31:40	5.2054		213	6.16	212.0454	
3/4/2023	5:31:40	5.2474		213	6.16	212.0874	
3/4/2023	11:31:40	5.4337		213	6.16	212.2737	
3/4/2023	17:31:40	5.5916		213	6.16	212.4316	
3/4/2023	23:31:40	5.4825		213	6.16	212.3225	
3/5/2023	5:31:40	5.4441		213	6.16	212.2841	
3/5/2023	11:31:40	5.3947		213	6.16	212.2347	
3/5/2023	17:31:40	5.4635		213	6.16	212.3035	
3/5/2023	23:31:40	5.4045		213	6.16	212.2445	
3/6/2023	5:31:40	5.3462		213	6.16	212.1862	
3/6/2023	11:31:40	5.3221		213	6.16	212.1621	
3/6/2023	17:31:40	5.3097		213	6.16	212.1497	
3/6/2023	23:31:40	5.3033		213	6.16	212.1433	
3/7/2023	5:31:40	5.2645		213	6.16	212.1045	
3/7/2023	11:31:40	5.238		213	6.16	212.078	
3/7/2023	17:31:40	5.2636		213	6.16	212.1036	
3/7/2023	23:31:40	5.2528		213	6.16	212.0928	

DATE	TRANSDUCER		SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)			DEPTH (ft)	TRANSDUCER

3/8/2023	5:31:40	5.2857	213	6.16	212.1257	
3/8/2023	11:31:40	5.299	213	6.16	212.139	
3/8/2023	17:31:40	5.3039	213	6.16	212.1439	
3/8/2023	23:31:40	5.2498	213	6.16	212.0898	
3/9/2023	11:31:40	5.1682	213	6.16	212.0082	
3/9/2023	17:31:40	5.135	213	6.16	211.975	
3/9/2023	23:31:40	5.0604	213	6.16	211.9004	212.1
3/10/2023	5:31:40	5.4645	213	6.16	211.9851	
3/10/2023	11:31:40	5.4958	213	6.16	212.3358	
3/10/2023	17:31:40	5.4663	213	6.16	212.3063	
3/10/2023	23:31:40	5.4181	213	6.16	212.2581	
3/11/2023	5:31:40	5.314	213	6.16	212.154	
3/11/2023	11:31:40	5.28	213	6.16	212.12	
3/11/2023	17:31:40	5.2842	213	6.16	212.1242	
3/11/2023	23:31:40	5.2306	213	6.16	212.0706	
3/12/2023	5:31:40	5.1813	213	6.16	212.0213	
3/12/2023	11:31:40	5.1377	213	6.16	211.9777	
3/12/2023	17:31:40	5.2156	213	6.16	212.0556	
3/12/2023	23:31:40	5.3151	213	6.16	212.1551	
3/13/2023	5:31:40	5.4578	213	6.16	212.2978	
3/13/2023	11:31:40	5.4824	213	6.16	212.3224	
3/13/2023	17:31:40	5.48	213	6.16	212.32	
3/13/2023	23:31:40	5.4641	213	6.16	212.3041	
3/14/2023	5:31:40	5.3083	213	6.16	212.1483	
3/14/2023	11:31:40	5.2171	213	6.16	212.0571	
3/14/2023	17:31:40	5.3532	213	6.16	212.1932	
3/14/2023	23:31:40	5.4805	213	6.16	212.3205	
3/15/2023	5:31:40	5.4894	213	6.16	212.3294	
3/15/2023	11:31:40	5.3678	213	6.16	212.2078	
3/15/2023	17:31:40	5.3289	213	6.16	212.1689	
3/15/2023	23:31:40	5.2598	213	6.16	212.0998	
3/16/2023	5:31:40	5.2416	213	6.16	212.0816	
3/16/2023	11:31:40	5.1575	213	6.16	211.9975	
3/16/2023	17:31:40	5.1785	213	6.16	212.0185	212.08
3/16/2023	23:31:40	5.284	213	6.16	212.124	
3/17/2023	5:31:40	5.2388	213	6.16	212.0788	
3/17/2023	11:31:40	5.1692	213	6.16	212.0092	
3/17/2023	17:31:40	5.2118	213	6.16	212.0518	
3/17/2023	23:31:40	5.219	213	6.16	212.059	
3/18/2023	5:31:40	5.1786	213	6.16	212.0186	
3/18/2023	11:31:40	5.1155	213	6.16	211.9555	
3/18/2023	17:31:40	5.1473	213	6.16	211.9873	
3/18/2023	23:31:40	5.162	213	6.16	212.002	
3/19/2023	5:31:40	5.1087	213	6.16	211.9487	
3/19/2023	11:31:40	5.1164	213	6.16	211.9564	
3/19/2023	17:31:40	5.1441	213	6.16	211.9841	

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RJ Development

2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
3/19/2023	23:31:40	5.1951		213	6.16	212.0351	
3/20/2023	5:31:40	5.3242		213	6.16	212.1642	
3/20/2023	11:31:40	5.3066		213	6.16	212.1466	
3/20/2023	17:31:40	5.2932		213	6.16	212.1332	
3/20/2023	23:31:40	5.2514		213	6.16	212.0914	
3/21/2023	5:31:40	5.1788		213	6.16	212.0188	
3/21/2023	11:31:40	5.0927		213	6.16	211.9327	
3/21/2023	17:31:40	5.1664		213	6.16	212.0064	
3/21/2023	23:31:40	5.1907		213	6.16	212.0307	
3/22/2023	5:31:40	5.205		213	6.16	212.045	
3/22/2023	11:31:40	5.1424		213	6.16	211.9824	
3/22/2023	17:31:40	5.2145		213	6.16	212.0545	
3/22/2023	23:31:40	5.2008		213	6.16	212.0408	
3/23/2023	5:31:40	5.1234		213	6.16	211.9634	
3/23/2023	11:31:40	5.1333		213	6.16	211.9733	
3/23/2023	17:31:40	5.2793	1.04	213	6.16	212.1193	211.96
3/23/2023	23:31:40	5.1301		213	6.16	211.9701	
3/24/2023	5:31:40	5.1894		213	6.16	212.0294	
3/24/2023	11:31:40	5.1396		213	6.16	211.9796	
3/24/2023	17:31:40	5.1444		213	6.16	211.9844	
3/24/2023	23:31:40	5.1095		213	6.16	211.9495	
3/25/2023	5:31:40	5.1432		213	6.16	211.9832	
3/25/2023	11:31:40	5.0746		213	6.16	211.9146	
3/25/2023	17:31:40	5.0969		213	6.16	211.9369	
3/25/2023	23:31:40	5.1169		213	6.16	211.9569	
3/26/2023	5:31:40	5.0892		213	6.16	211.9292	
3/26/2023	11:31:40	5.0817		213	6.16	211.9217	
3/26/2023	17:31:40	5.0835		213	6.16	211.9235	
3/26/2023	23:31:40	5.0714		213	6.16	211.9114	
3/27/2023	5:31:40	5.0056		213	6.16	211.8456	
3/27/2023	11:31:40	4.9043		213	6.16	211.7443	
3/27/2023	17:31:40	4.9381		213	6.16	211.7781	
3/27/2023	23:31:40	4.9799		213	6.16	211.8199	
3/28/2023	5:31:40	5.0099		213	6.16	211.8499	
3/28/2023	11:31:40	4.9876		213	6.16	211.8276	
3/28/2023	17:31:40	5.1216		213	6.16	211.9616	
3/28/2023	23:31:40	5.0265		213	6.16	211.8665	
3/29/2023	5:31:40	5.0664		213	6.16	211.9064	
3/29/2023	11:31:40	4.9997		213	6.16	211.8397	
3/29/2023	17:31:40	4.9934		213	6.16	211.8334	
3/29/2023	23:31:40	5.0359		213	6.16	211.8759	
3/30/2023	5:31:40	5.0392		213	6.16	211.8792	
3/30/2023	11:31:40	5.022		213	6.16	211.862	
3/30/2023	17:31:40	5.0431	1.17	213	6.16	211.8831	211.83
3/30/2023	23:31:40	4.9901		213	6.16	211.8301	
3/31/2023	5:31:40	4.9663		213	6.16	211.8063	
3/31/2023	11:31:40	4.9692		213	6.16	211.8092	

DATE	TRANSDUCER		MANUAL	MEASUREMENT (ft)	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)					TRANSDUCER	MANUAL

3/31/2023	17:31:40	4.8839	213	213	6.16	211.7239		
3/31/2023	23:31:40	5.2492	213	213	6.16	212.0892		
4/1/2023	5:31:40	5.2112	213	213	6.16	212.0512		
4/1/2023	11:31:40	5.2255	213	213	6.16	212.0655		
4/1/2023	17:31:40	5.2134	213	213	6.16	212.0534		
4/1/2023	23:31:40	5.1158	213	213	6.16	211.9558		
4/2/2023	5:31:40	5.2202	213	213	6.16	212.0602		
4/2/2023	11:31:40	5.2524	213	213	6.16	212.0924		
4/2/2023	17:31:40	5.291	213	213	6.16	212.131		
4/2/2023	23:31:40	5.2793	213	213	6.16	212.1193		
4/3/2023	5:31:40	5.3071	213	213	6.16	212.1471		
4/3/2023	11:31:40	5.2185	213	213	6.16	212.0585		
4/3/2023	17:31:40	5.1957	213	213	6.16	212.0357		
4/3/2023	23:31:40	5.1884	213	213	6.16	212.0284		
4/4/2023	5:31:40	5.2248	213	213	6.16	212.0648		
4/4/2023	11:31:40	5.1856	213	213	6.16	212.0256		
4/4/2023	17:31:40	5.1551	213	213	6.16	211.9951		
4/4/2023	23:31:40	5.153	213	213	6.16	211.993		
4/5/2023	5:31:40	5.1038	213	213	6.16	211.9438		
4/5/2023	11:31:40	5.0372	213	213	6.16	211.8772		
4/5/2023	17:31:40	5.0378	213	213	6.16	211.8778		211.93
4/5/2023	23:31:40	5.0269	213	213	6.16	211.8669		
4/6/2023	5:31:40	5.0794	213	213	6.16	211.9194		
4/6/2023	11:31:40	5.2373	213	213	6.16	212.0773		
4/6/2023	17:31:40	5.3227	213	213	6.16	212.1627		
4/6/2023	23:31:40	5.4819	213	213	6.16	212.3219		
4/7/2023	5:31:40	5.4481	213	213	6.16	212.2881		
4/7/2023	11:31:40	5.4442	213	213	6.16	212.2842		
4/7/2023	17:31:40	5.4779	213	213	6.16	212.3179		
4/7/2023	23:31:40	5.3604	213	213	6.16	212.2004		
4/8/2023	5:31:40	5.3289	213	213	6.16	212.1689		
4/8/2023	11:31:40	5.3787	213	213	6.16	212.2187		
4/8/2023	17:31:40	5.3149	213	213	6.16	212.1549		
4/8/2023	23:31:40	5.267	213	213	6.16	212.107		
4/9/2023	5:31:40	5.3051	213	213	6.16	212.1451		
4/9/2023	11:31:40	5.2998	213	213	6.16	212.1398		
4/9/2023	17:31:40	5.4523	213	213	6.16	212.2923		
4/9/2023	23:31:40	5.4494	213	213	6.16	212.2894		
4/10/2023	5:31:40	5.3534	213	213	6.16	212.1934		
4/10/2023	11:31:40	5.4488	213	213	6.16	212.2888		
4/10/2023	17:31:40	5.4651	213	213	6.16	212.3051		
4/10/2023	23:31:40	5.4854	213	213	6.16	212.3254		
4/11/2023	5:31:40	5.5581	213	213	6.16	212.3981		
4/11/2023	11:31:40	5.5408	213	213	6.16	212.3808		
4/11/2023	17:31:40	5.4394	213	213	6.16	212.2794		
4/11/2023	23:31:40	5.3979	213	213	6.16	212.2379		
4/12/2023	5:31:40	5.5525	213	213	6.16	212.3925		

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2400 24th Avenue NW, Olympia, WA

DATE	TRANSDUCER		MANUAL	SURFACE	WELL	WATER LEVEL ELEVATION (ft)	
	TIME	LEVEL (ft)	MEASUREMENT (ft)	ELEVATION (ft)	DEPTH (ft)	TRANSDUCER	MANUAL
4/12/2023	11:31:40	5.4961		213	6.16	212.3361	
4/12/2023	17:31:40	5.438		213	6.16	212.278	
4/12/2023	23:31:40	5.4537		213	6.16	212.2937	
4/13/2023	5:31:40	5.3952		213	6.16	212.2352	
4/13/2023	11:31:40	5.3689		213	6.16	212.2089	
4/13/2023	17:31:40	5.4684		213	6.16	212.3084	
4/13/2023	23:31:40	5.4453		213	6.16	212.2853	
4/14/2023	5:31:40	5.4607		213	6.16	212.3007	
4/14/2023	11:31:40	5.3942		213	6.16	212.2342	
4/14/2023	17:31:40	5.3824		213	6.16	212.2224	
4/14/2023	23:31:40	5.4206		213	6.16	212.2606	
4/15/2023	5:31:40	5.4124		213	6.16	212.2524	
4/15/2023	11:31:40	5.3778		213	6.16	212.2178	
4/15/2023	17:31:40	5.302		213	6.16	212.142	
4/15/2023	23:31:40	5.278		213	6.16	212.118	
4/16/2023	5:31:40	5.2797		213	6.16	212.1197	
4/16/2023	11:31:40	5.4718		213	6.16	212.3118	
4/16/2023	17:31:40	5.4959		213	6.16	212.3359	
4/16/2023	23:31:40	5.3063		213	6.16	212.1463	
4/17/2023	5:31:40	5.2182		213	6.16	212.0582	
4/17/2023	11:31:40	5.2576		213	6.16	212.0976	
4/17/2023	17:31:40	5.3448	0.79	213	6.16	212.1848	212.21
4/17/2023	23:31:40	5.3742		213	6.16	212.2142	
4/18/2023	5:31:40	5.5268		213	6.16	212.3668	
4/18/2023	11:31:40	5.5551		213	6.16	212.3951	
4/18/2023	17:31:40	5.5032		213	6.16	212.3432	
4/18/2023	23:31:40	5.456		213	6.16	212.296	
4/19/2023	5:31:40	5.5611		213	6.16	212.4011	
4/19/2023	11:31:40	5.5478		213	6.16	212.3878	
4/19/2023	17:31:40	5.5448		213	6.16	212.3848	
4/19/2023	23:31:40	5.4903		213	6.16	212.3303	
4/20/2023	5:31:40	5.372		213	6.16	212.212	
4/20/2023	11:31:40	5.3003		213	6.16	212.1403	
4/20/2023	17:31:40	5.422		213	6.16	212.262	
4/20/2023	23:31:40	5.615		213	6.16	212.455	
4/21/2023	5:31:40	5.553		213	6.16	212.393	
4/21/2023	11:31:40	5.5021		213	6.16	212.3421	
4/21/2023	17:31:40	5.4208		213	6.16	212.2608	
4/21/2023	23:31:40	5.3618		213	6.16	212.2018	
4/22/2023	5:31:40	5.375		213	6.16	212.215	
4/22/2023	11:31:40	5.3091		213	6.16	212.1491	
4/22/2023	17:31:40	5.3242		213	6.16	212.1642	
4/22/2023	23:31:40	5.3568		213	6.16	212.1968	
4/23/2023	5:31:40	5.5727		213	6.16	212.4127	
4/23/2023	11:31:40	5.5059		213	6.16	212.3459	
4/23/2023	17:31:40	5.4215		213	6.16	212.2615	
4/23/2023	23:31:40	5.5795		213	6.16	212.4195	

DATE	TIME	LEVEL (ft)	TRANSDUCER		MANUAL MEASUREMENT (ft)	SURFACE ELEVATION (ft)	WELL DEPTH (ft)	WATER LEVEL ELEVATION (ft)
			TRANSDUCER	MANUAL				
4/24/2023	5:31:40	5.627	213	6.16	212.467	213	6.16	212.467
4/24/2023	11:31:40	5.5252	213	6.16	212.3652	213	6.16	212.3652
4/24/2023	17:31:40	5.5107	213	6.16	212.3507	213	6.16	212.3507
4/24/2023	23:31:40	5.4657	213	6.16	212.3057	213	6.16	212.3057
4/25/2023	5:31:40	5.425	213	6.16	212.265	213	6.16	212.265
4/25/2023	11:31:40	5.3896	213	6.16	212.2296	213	6.16	212.2296
4/25/2023	17:31:40	5.3712	213	6.16	212.2112	213	6.16	212.2112
4/25/2023	23:31:40	5.3882	213	6.16	212.2282	213	6.16	212.2282
4/26/2023	5:31:40	5.4073	213	6.16	212.2473	213	6.16	212.2473
4/26/2023	11:31:40	5.3314	213	6.16	212.1714	213	6.16	212.1714
4/26/2023	17:31:40	5.391	213	6.16	212.231	213	6.16	212.231
4/26/2023	23:31:40	5.4105	213	6.16	212.2505	213	6.16	212.2505
4/27/2023	5:31:40	5.3945	213	6.16	212.2345	213	6.16	212.2345
4/27/2023	11:31:40	5.2988	213	6.16	212.1388	213	6.16	212.1388
4/27/2023	17:31:40	5.2973	213	6.16	212.1373	213	6.16	212.1373
4/27/2023	23:31:40	5.301	213	6.16	212.141	213	6.16	212.141
4/28/2023	5:31:40	5.301	213	6.16	212.141	213	6.16	212.141
4/28/2023	11:31:40	5.1916	213	6.16	212.0316	213	6.16	212.0316
4/28/2023	17:31:40	5.2653	213	6.16	212.1053	213	6.16	212.1053
4/28/2023	23:31:40	5.3954	213	6.16	212.2354	213	6.16	212.2354
4/29/2023	5:31:40	5.3632	213	6.16	212.2032	213	6.16	212.2032
4/29/2023	11:31:40	5.2167	213	6.16	212.0567	213	6.16	212.0567
4/29/2023	17:31:40	5.2314	213	6.16	212.0714	213	6.16	212.0714
4/29/2023	23:31:40	5.2801	213	6.16	212.1201	213	6.16	212.1201
4/30/2023	5:31:40	5.2622	213	6.16	212.1022	213	6.16	212.1022
4/30/2023	11:31:40	5.2452	213	6.16	212.0852	213	6.16	212.0852
4/30/2023	17:31:40	5.2209	213	6.16	212.0609	213	6.16	212.0609
4/30/2023	23:31:40	5.221	213	6.16	212.061	213	6.16	212.061
5/1/2023	5:31:40	5.227	213	6.16	212.067	213	6.16	212.067
5/1/2023	11:31:40	5.1959	213	6.16	212.0359	213	6.16	212.0359
0.96								
212.04								

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ATTACHMENT C
REPORT LIMITATIONS AND GUIDELINES FOR USE



ATTACHMENT C

REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This attachment provides information to help you manage your risks with respect to the use of this report.

HYDROGEOLOGIC SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES, PERSONS AND PROJECTS

This report has been prepared for the exclusive use of RJ Development (Client) and their authorized agents. This report may be made available to regulatory agencies for review. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

Insight Geologic structures our services to meet the specific needs of our clients. For example, a hydrogeologic or geologic study conducted for a civil engineer or architect may not fulfill the needs of a construction contractor or even another civil engineer or architect that are involved in the same project. Because each hydrogeologic or geologic study is unique, each hydrogeologic or geologic report is unique, prepared solely for the specific client and project site. Our report is prepared for the exclusive use of our Client. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and generally accepted hydrogeologic practices in this area at the time this report was prepared. This report should not be applied for any purpose or project except the one originally contemplated.

A HYDROGEOLOGIC OR GEOLOGIC REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

Insight Geologic considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless Insight Geologic specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, Insight Geologic should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

SUBSURFACE CONDITIONS CAN CHANGE

This hydrogeologic or geologic report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by

¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

manmade events such as construction on or adjacent to the site, or by natural events such as floods, earthquakes, slope instability or ground water fluctuations. Always contact Insight Geologic before applying a report to determine if it remains applicable.

MOST HYDROGEOLOGIC AND GEOLOGIC FINDINGS ARE PROFESSIONAL OPINIONS

Our interpretations of subsurface conditions are based on field observations from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Insight Geologic reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ, sometimes significantly, from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

HYDROGEOLOGIC REPORT RECOMMENDATIONS ARE NOT FINAL

Do not over-rely on the preliminary recommendations included in this report. These recommendations are not final, because they were developed principally from Insight Geologic's professional judgment and opinion. Insight Geologic's recommendations can be finalized only by observing actual subsurface conditions revealed during construction.

A HYDROGEOLOGIC OR GEOLOGIC REPORT COULD BE SUBJECT TO MISINTERPRETATION

Misinterpretation of this report by other design team members can result in costly problems. You could lower that risk by having Insight Geologic confer with appropriate members of the design team after submitting the report. Also retain Insight Geologic to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a hydrogeologic engineering or geologic report. Reduce that risk by having Insight Geologic participate in pre-bid and preconstruction conferences, and by providing construction observation.

DO NOT REDRAW THE EXPLORATION LOGS

Hydrogeologic engineers and geologists prepare final boring and test pit logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a hydrogeologic engineering or geologic report should never be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

READ THESE PROVISIONS CLOSELY

Some clients, design professionals and contractors may not recognize that the geoscience practices (hydrogeologic engineering or geology) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. Insight Geologic includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with Insight Geologic if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

**HYDROGEOLOGIC, GEOLOGIC AND ENVIRONMENTAL REPORTS SHOULD NOT BE
INTERCHANGED**

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a hydrogeologic or geologic study and vice versa. For that reason, a hydrogeologic engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address hydrogeologic or geologic concerns regarding a specific project.