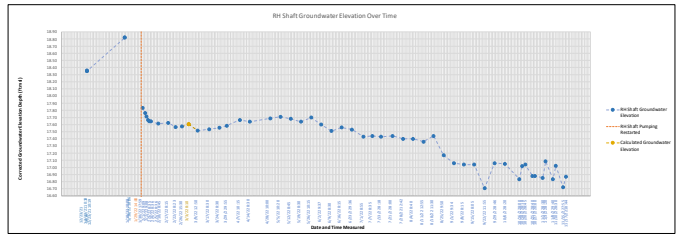
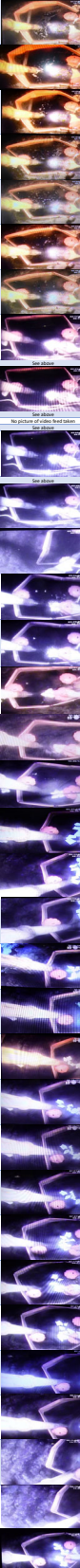



















Shaft Gauging Results

Date	Time	Reference Point for DTM Measurement	Surrounding Elevation (ft)	Difference		DTW (ft)	MUM Serial Number	Correction Factor	Corrected Top W.M. (ft)	Groundwater Elevation (ft)	DTW ODF (ft)	Pictorial Evidence	Picture from Video Monitor at Pump
				Reference Point (ft)	Between Survey Points (ft)								
1/23/2002	10:16	Mt-Ren Crosscut	105.540	-0.160	87.16	N 1	-0.01	87.25	18.26	NC	NA	NC	
1/23/2002	10:18	Mt-Ren Crosscut	105.539	-0.160	87.17	N 1	-0.01	87.25	18.25	NC	NA	NC	
1/23/2002	10:19	Mt-Ren Crosscut	105.539	-0.160	87.17	N 1	-0.01	87.25	18.25	NC	NA	NC	
1/23/2002	10:20	Mt-Ren Crosscut	105.539	-0.160	87.16	N 1	-0.01	86.89	18.62	NC	NA	NC	
1/23/2002	10:20	Mt-Ren Crosscut	105.539	-0.160	86.70	N 1	-0.01	86.89	18.62	NC	NA	NC	
1/26/2002	17:59	Mt-Ren 'C' Panned	105.540	0.00	87.69	N 1	-0.01	87.68	17.63	NC	77.73	No	
1/26/2002	18:21	Reference Point not recorded	Reference Point not recorded	0.00	87.89	N 1	-0.01	87.88	Reference Point not recorded	87.91	No	No	
2/1/2002	9:09	Mt-Ren 'C' Panned	105.540	0.00	87.76	N 1	-0.01	87.75	17.76	NC	87.80	No	
2/1/2002	9:08	Mt-Ren 'C' Panned	105.540	0.00	87.81	N 1	-0.01	87.80	17.71	NC	87.87	No	
2/1/2002	8:31	Mt-Ren 'C' Panned	105.540	0.00	87.86	N 1	-0.01	87.85	17.66	NC	87.91	No	
2/1/2002	8:36	Mt-Ren 'C' Panned	105.540	0.00	87.88	N 1	-0.01	87.87	17.64	NC	87.91	No	
2/1/2002	8:36	Mt-Ren 'C' Panned	105.540	0.00	87.88	N 1	-0.01	87.87	17.64	NC	87.94	No	
2/18/2002	8:45	Mt-Ren 'C' Panned	105.540	0.00	87.91	N 1	-0.01	87.90	17.61	NC	87.97	No	
2/11/2002	8:15	Mt-Ren 'C' Panned	105.540	0.00	87.90	N 1	-0.01	87.89	17.62	NC	87.93	No	
2/11/2002	8:15	Mt-Ren Crosscut	105.539	-0.160	87.89	N 1	-0.01	87.88	17.63	NC	87.91	No	
2/22/2002	8:23	Mt-Ren 'C' Panned	105.540	0.00	87.96	N 1	-0.01	87.95	17.56	NC	87.99	No	
2/22/2002	8:23	Mt-Ren Crosscut	105.539	-0.160	87.95	N 1	-0.01	87.94	17.57	NC	87.98	No	
2/26/2002	11:50	Mt-Ren 'C' Panned	105.540	0.00	87.95	N 1	-0.01	87.94	17.57	NC	88.00	No	
2/26/2002	1:50	Mt-Ren Crosscut	105.539	-0.160	87.95	N 1	-0.01	87.94	17.57	NC	88.01	No	
3/1/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	87.93	NA	-0.01	87.91	17.60	NC	87.97	No	
3/1/2002	8:30	Mt-Ren Crosscut	105.539	-0.160	87.96	NA	-0.01	87.95	17.56	NC	87.96	No	
3/1/2002	12:59	Mt-Ren 'C' Panned	105.540	0.00	88.01	N 2	-0.01	88.00	17.51	NC	88.06	No	
3/11/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	87.99	N 2	-0.01	87.98	17.51	NC	88.01	No	
3/24/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	87.97	N 2	-0.01	87.96	17.51	NC	87.98	No	
3/29/2002	9:15	Mt-Ren 'C' Panned	105.540	0.00	87.94	N 2	-0.01	87.93	17.58	NC	87.91	No	
4/7/2002	10:15	Mt-Ren 'C' Panned	105.540	0.00	87.86	N 1	-0.01	87.85	17.66	NC	87.90	No	
4/16/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	87.88	N 1	-0.01	87.87	17.64	NC	87.91	No	
4/28/2002	10:00	Mt-Ren 'C' Panned	105.540	0.00	87.83	N 1	-0.01	87.82	17.69	NC	87.89	No	
5/1/2002	10:20	Mt-Ren 'C' Panned	105.540	0.00	87.81	N 1	-0.01	87.80	17.71	NC	87.81	No	
5/12/2002	8:45	Mt-Ren 'C' Panned	105.540	0.00	87.84	N 1	-0.01	87.83	17.68	NC	87.88	No	
5/18/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	87.88	N 1	-0.01	87.87	17.64	NC	87.91	No	
5/26/2002	10:15	Mt-Ren 'C' Panned	105.540	0.00	87.82	N 1	-0.01	87.81	17.70	NC	87.87	No	
6/2/2002	9:27	Mt-Ren Crosscut	105.539	-0.160	87.90	N 2	-0.01	87.91	17.60	NC	87.91	No	
6/19/2002	8:30	Mt-Ren Crosscut	105.539	-0.160	88.01	N 1	-0.01	88.00	17.51	NC	87.91	No	
6/16/2002	8:15	Mt-Ren 'C' Panned	105.540	0.00	87.96	N 1	-0.01	87.95	17.56	NC	88.01	No	
6/22/2002	9:36	Mt-Ren Crosscut	105.539	-0.160	87.99	N 1	-0.01	87.98	17.58	NC	87.97	No	
7/1/2002	8:15	Mt-Ren 'C' Panned	105.540	0.00	88.09	N 1	-0.01	88.08	17.43	NC	88.11	No	
7/17/2002	8:15	Mt-Ren 'C' Panned	105.540	0.00	88.08	N 1	-0.01	88.07	17.46	NC	88.11	No	
7/14/2002	8:18	Mt-Ren 'C' Panned	105.540	0.00	88.09	N 1	-0.01	88.08	17.43	NC	88.11	No	
7/19/2002	8:30	Mt-Ren 'C' Panned	105.540	0.00	88.08	N 1	-0.01	88.07	17.46	NC	88.11	No	
7/28/2002	12:42	Mt-Ren 'C' Panned	105.540	0.00	88.11	N 1	-0.01	88.11	17.40	NC	88.11	No	
8/6/2002	8:40	Mt-Ren 'C' Panned	105.540	0.00	88.11	N 1	-0.01	88.11	17.40	NC	88.18	No	
8/11/2002	12:55	Mt-Ren 'C' Panned	105.540	0.00	88.16	N 1	-0.01	88.15	17.36	NC	88.21	No	
8/18/2002	11:30	Mt-Ren Crosscut	105.539	-0.160	88.08	N 1	-0.01	88.07	17.44	NC	88.11	No	
8/25/2002	9:50	Mt-Ren Crosscut	105.539	-0.160	88.15	N 1	-0.01	88.14	17.17	NC	88.27	Yes*	



9/1/2022	9:34	Mt Rain 'Y' Paired	105.540	0.00	88.46	N 1	-0.01	88.45	17.01	88.49	no	
9/1/2022	9:35	Mt Rain 'Y' Paired	105.540	0.00	88.48	N 1	-0.01	88.47	17.04	88.51	no	
9/1/2022	9:05	Mt Rain 'Y' Paired	105.540	0.00	88.48	N 1	-0.01	88.47	17.04	88.51	no	
9/2/2022	1:55	Mt Rain 'Y' Paired	105.540	0.00	88.86	O 8859*	-0.06	88.80	16.71	88.86	no	
9/2/2022	8:46	Mt Rain 'Y' Paired	105.540	0.00	88.65	N 3	pending†	88.65	17.00	88.51	no	
9/6/2022	8:30	Mt Rain 'Y' Paired	105.540	0.00	88.47	N 1	-0.01	88.46	17.05	88.49	no	
9/16/2022	8:00	Mt Rain 'Y' Paired	105.540	0.00	88.69	N 1	-0.01	88.68	16.83	88.71	no	
9/18/2022	8:18	Mt Rain 'Y' Paired	105.540	0.00	88.49	N 5	pending†	88.49	17.02	88.49	no	
9/20/2022	8:41	Mt Rain 'Y' Paired	105.540	0.00	88.48	N 1	-0.01	88.47	17.04	88.43	no	
9/25/2022	8:40	Mt Rain 'Y' Paired	105.540	0.00	88.63	N 5	pending†	88.63	16.88	88.63	no	
9/27/2022	8:00	Mt Rain 'Y' Paired	105.540	0.00	88.63	N 3	pending†	88.63	16.88	88.63	no	
11/1/2022	8:30	Mt Rain 'Y' Paired	105.540	0.00	88.66	N 3	pending†	88.66	16.85	88.66	no	
11/1/2022	8:30	Mt Rain 'Y' Paired	105.540	0.00	88.63	N 5	pending†	88.63	17.08	88.63	no	
11/8/2022	9:40	Mt Rain 'Y' Paired	105.540	0.00	88.63	N 4	pending†	88.63	17.09	88.62	no	
11/10/2022	8:30	Mt Rain 'Y' Paired	105.540	0.00	88.56	N 5	pending†	88.56	16.95	88.56	no	
11/15/2022	7:55	Mt Rain 'Y' Paired	105.540	0.00	88.79	N 4	pending†	88.79	16.72	88.79	no	
11/17/2022	10:44	Mt Rain 'Y' Paired	105.540	0.00	88.64	N 4	pending†	88.64	16.87	88.64	no	

\*Trawl water level sensor depth to water measurement table.  
†2nd Order Class 1 elevation survey conducted by Coastal Photo Surveying on 03/17/2022. Mt Rain Cross Cut and Mt Rain 'Y' Paired reference points were surveyed.  
‡Correction factor determined by USGS for the National Wetland Inventory (NWI) water level sensor, serial number 103796, and listed in 2 water level meters, serial number 128107, published in a letter on January 24, 2022.  
§Measurement taken at part of USGS Cootanah Creek water reference point different than water 'Y' station tag of station. Sampled during measuring point and water 'Y' are different than the permanent survey point and established as temporary points due to limitation in accessing the readable when the permanent point is frozen. Temporary points will be surveyed.  
¶Height difference between the two temporary reference points used to normalize data to the 'White S' reference point.  
‡Reference point is recorded and excluded from reported data.  
§Water level reading was calculated based on the average difference in measurements between all water probe and water level readings recorded on this spreadsheet. Average difference is calculated and applied to recorded all water probe's <math>+0.05</math>.  
¶No observable product from oil/water interface probe on trailer water surface. Meniscus (W/O) <math>0.0</math> ppm. Slight odor. Outside of tank was slick and appeared "soapy".  
‡Water level taken with all vessel oil/water interface probe inside in 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 were undergoing calibration by USGS. Correction factor determined by measuring depth to water with oil/water interface probe 01-8859 and 3 and applying the difference to the depth to water. Difference calculated is <math>-0.06</math>. Correction factor will be updated with 12 probe correction factor once received by USGS.  
‡Data was collected by USGS during the September 19th, 2022 calibration event. Data correction factor will be applied once received by USGS.  
§M: Net Aquaplaner  
‡: Net Aquaplaner  
‡: USGS - Oil/Water Probe  
‡: USGS - Oil/Water Probe  
‡: USGS - Oil/Water Probe

Date and Time	X Axis label	corrected Depth	Groundwater MSL	Note
12/23/21 10:16	16.60	87.154	18.36	x axis depth arbitrary, just for displaying labels on graph
12/23/21 10:18	16.60	87.164	18.35	x axis depth arbitrary, just for displaying labels on graph
12/23/21 10:19	16.60	87.164	18.35	x axis depth arbitrary, just for displaying labels on graph
1/18/22 10:06	16.60	86.694	18.82	x axis depth arbitrary, just for displaying labels on graph
1/18/22 10:08	16.60	86.694	18.82	x axis depth arbitrary, just for displaying labels on graph
1/30/22 17:59	16.60	87.68	17.83	x axis depth arbitrary, just for displaying labels on graph
2/1/22 9:09	16.60	87.75	17.76	x axis depth arbitrary, just for displaying labels on graph
2/2/22 9:08	16.60	87.80	17.71	x axis depth arbitrary, just for displaying labels on graph
2/3/22 8:35	16.60	87.85	17.66	x axis depth arbitrary, just for displaying labels on graph
2/4/22 8:36	16.60	87.87	17.64	x axis depth arbitrary, just for displaying labels on graph
2/5/22 8:36	16.60	87.87	17.64	x axis depth arbitrary, just for displaying labels on graph
2/10/22 8:45	16.60	87.90	17.61	x axis depth arbitrary, just for displaying labels on graph
2/17/22 8:15	16.60	87.89	17.62	x axis depth arbitrary, just for displaying labels on graph
2/22/22 8:23	16.60	87.95	17.56	x axis depth arbitrary, just for displaying labels on graph
2/26/22 15:30	16.60	87.94	17.57	x axis depth arbitrary, just for displaying labels on graph
3/3/22 8:10	16.60	87.91	17.60	x axis depth arbitrary, just for displaying labels on graph
3/9/22 12:50	16.60	88.00	17.51	x axis depth arbitrary, just for displaying labels on graph
3/17/22 8:30	16.60	87.98	17.53	x axis depth arbitrary, just for displaying labels on graph
3/24/22 8:30	16.60	87.96	17.55	x axis depth arbitrary, just for displaying labels on graph
3/29/22 9:55	16.60	87.93	17.58	x axis depth arbitrary, just for displaying labels on graph
4/7/22 10:15	16.60	87.85	17.66	x axis depth arbitrary, just for displaying labels on graph
4/14/22 8:30	16.60	87.87	17.64	x axis depth arbitrary, just for displaying labels on graph
4/28/22 10:00	16.60	87.82	17.69	x axis depth arbitrary, just for displaying labels on graph
5/5/22 10:20	16.60	87.80	17.71	x axis depth arbitrary, just for displaying labels on graph
5/12/22 8:45	16.60	87.83	17.68	x axis depth arbitrary, just for displaying labels on graph
5/19/22 8:30	16.60	87.87	17.64	x axis depth arbitrary, just for displaying labels on graph
5/26/22 10:15	16.60	87.81	17.70	x axis depth arbitrary, just for displaying labels on graph
6/2/22 9:37	16.60	87.91	17.60	x axis depth arbitrary, just for displaying labels on graph
6/9/22 8:30	16.60	88	17.51	x axis depth arbitrary, just for displaying labels on graph
6/16/22 8:15	16.60	87.95	17.56	x axis depth arbitrary, just for displaying labels on graph
6/23/22 9:36	16.60	87.98	17.53	x axis depth arbitrary, just for displaying labels on graph
7/1/22 8:55	16.60	88.08	17.43	x axis depth arbitrary, just for displaying labels on graph
7/7/22 8:35	16.60	88.07	17.44	x axis depth arbitrary, just for displaying labels on graph
7/13/22 8:18	16.60	88.08	17.43	x axis depth arbitrary, just for displaying labels on graph
7/21/22 8:00	16.60	88.07	17.44	x axis depth arbitrary, just for displaying labels on graph
7/28/22 12:42	16.60	88.11	17.40	x axis depth arbitrary, just for displaying labels on graph
8/4/22 8:40	16.60	88.11	17.40	x axis depth arbitrary, just for displaying labels on graph
8/11/22 12:55	16.60	88.15	17.36	x axis depth arbitrary, just for displaying labels on graph
8/18/22 11:30	16.60	88.07	17.44	x axis depth arbitrary, just for displaying labels on graph
8/25/22 9:50	16.60	88.34	17.17	x axis depth arbitrary, just for displaying labels on graph
9/1/22 9:34	16.60	88.45	17.06	x axis depth arbitrary, just for displaying labels on graph
9/8/22 8:15	16.60	88.47	17.04	x axis depth arbitrary, just for displaying labels on graph
9/15/22 8:05	16.60	88.47	17.04	x axis depth arbitrary, just for displaying labels on graph
9/22/22 11:55	16.60	88.86	16.71	x axis depth arbitrary, just for displaying labels on graph
9/29/22 8:46	16.60	88.45	17.06	x axis depth arbitrary, just for displaying labels on graph
10/6/22 8:20	16.60	88.46	17.05	x axis depth arbitrary, just for displaying labels on graph
10/16/22 8:00	16.60	88.68	16.83	x axis depth arbitrary, just for displaying labels on graph
10/18/22 8:18	16.60	88.49	17.02	x axis depth arbitrary, just for displaying labels on graph
10/20/22 8:45	16.60	88.47	17.04	x axis depth arbitrary, just for displaying labels on graph
10/25/22 8:40	16.60	88.63	16.88	x axis depth arbitrary, just for displaying labels on graph
10/27/22 0:00	16.60	88.63	16.88	x axis depth arbitrary, just for displaying labels on graph
11/1/22 8:30	16.60	88.66	16.85	x axis depth arbitrary, just for displaying labels on graph
11/3/22 8:20	16.60	88.43	17.08	x axis depth arbitrary, just for displaying labels on graph
11/8/22 9:40	16.60	88.42	16.83	x axis depth arbitrary, just for displaying labels on graph
11/10/22 8:30	16.60	88.56	17.02	x axis depth arbitrary, just for displaying labels on graph
11/15/22 7:55	16.60	88.79	16.72	x axis depth arbitrary, just for displaying labels on graph
11/17/22 10:44	16.60	88.64	16.87	x axis depth arbitrary, just for displaying labels on graph

Date and Time Shaft Pumping Restarted	Y Axis	
1/29/22 14:00	0	arbitrary depth to illustrate restarting time
1/29/22 14:00	25	arbitrary depth to illustrate restarting time

Line connecting Pre and Post Pumping lines	
1/18/22 10:08	86.70
1/30/22 17:59	87.68

X Axis Label for Pump restarting		
1/29/22 14:00	16.7	depth arbitrary, just for displaying labels on graph

Suveyed Elevation	H Rim Crossc	MH Rim 'S' Painted	Difference in Elevation
	105.6703	105.5143	-0.1560

Correction for Top Rim and White S

Date	Time	Reference	Corrected WLM depth	Difference between points
2/17/2022	8:15	White 'S' on top of lip approximately 2 inches below top of manhole	87.89	NA
2/17/2022	8:15	Top Rim of Manhole	88.04	-0.15