

Monitoring Well	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations		
	dd-mm-yy	hh:mm	°C	%	mg/L	µS.cm ⁻¹	unitless	mV			
MW23-01	19/04/2023	11:25	12.8	17.7	1.87	1039	7.36	41.0	NVOSC		
		11:29	12.8	17.2	1.82	1033	7.36	40.0			
		11:33	12.7	16.9	1.78	1042	7.37	38.3			
		11:37	12.7	16.7	1.76	1049	7.38	36.7			
		11:41	12.7	16.5	1.74	1060	7.38	36.0			
		11:45	12.8	16.1	1.70	1068	7.38	34.8			
		11:49	12.8	16.5	1.74	1075	7.40	33.0			
		11:54	12.9	16.2	1.71	1080	7.39	32.7			
		Sample collected (MW23-01)									
		P1	12.8	24.2	2.45	1111	7.44	24.2			
		P2	12.7	17.9	1.41	1112	7.42	24.4			
		P3	12.7	17.3	1.80	1104	7.40	30.7			
	05/06/2023	13:49	14.1	7.1	0.73	1788	7.15	4.2	NVOSC		
		13:53	14.1	9.0	0.92	1398	7.19	-2.5			
		13:57	14.1	9.0	0.92	1369	7.19	0.4			
		14:01	14.0	9.2	0.94	1354	7.19	1.9			
		14:05	13.9	8.7	0.89	1351	7.19	2.9			
		14:09	13.9	8.3	0.85	1366	7.18	4.2			
		14:13	13.8	8.3	0.85	1365	7.18	5.7			
		14:17	13.9	8.0	0.82	1367	7.18	7.2			
		Sample collected (MW23-01)									
		P1	14.1	9.5	0.97	1384	7.21	10.5			
		P2	14.1	9.0	0.92	1379	7.20	10.8			
		P3	13.9	8.9	0.90	1374	7.20	11.1			
MW23-03	19/04/2023	12:15	12.7	10.5	1.07	2812	7.45	46.7	NVOSC		
		12:14	12.8	5.2	0.54	2764	7.46	44.3			
		12:23	12.8	4.2	0.44	2709	7.47	42.1			
		12:27	12.8	4.4	0.47	2653	7.47	39.9			
		12:31	12.9	5.5	0.57	2544	7.46	38.6			
		12:35	12.8	5.3	0.53	2477	7.46	35.8			
		12:39	12.5	4.0	0.42	2411	7.45	34.5			
		12:43	12.9	3.3	0.35	2281	7.45	32.2			
		12:47	12.8	3.1	0.33	2193	7.44	31.1			
		12:51	12.9	3.0	0.31	2126	7.44	29.1			
		Sample collected (MW23-03)									
		P1	13.0	3.1	0.32	1995	7.49	26.4			
	P2	13.0	2.9	0.30	1981	7.47	26.7				
	P3	13.0	2.6	0.27	1973	7.46	27.2				
	06/06/2023	08:58	12.6	5.0	0.53	3038	7.19	38.3	SLIGHT HYDROCARBON ODOUR, NO SHEEN, WATER CLEAR.		
		09:02	12.6	3.9	0.41	2985	7.21	34.8			
		09:06	12.7	3.2	0.33	2941	7.21	32.7			
		09:10	12.7	2.8	0.30	2853	7.22	31.1			
		09:14	12.8	2.3	0.25	2759	7.22	29.1			
		09:18	12.8	2.3	0.24	2765	7.21	28.8			
		09:22	12.8	2.2	0.23	2630	7.22	27.3			
		09:26	12.8	2.2	0.24	2543	7.21	26.5			
		09:30	12.8	2.0	0.21	2484	7.21	26.3			
		09:34	12.8	1.9	0.20	2449	7.21	26.1			
		Sample collected (BH04)									
		P1	12.8	1.9	0.20	2200	7.21	24.4			
		P2	12.9	1.8	0.19	2200	7.21	24.4			
		P3	12.9	1.8	0.19	2187	7.21	24.1			
MW23-04		19/04/2023	10:22	12.9	25.0	2.64	1125	7.22		77.0	NVOSC
			10:26	12.9	18.9	1.90	1149	7.22		71.5	
	10:30		12.8	10.0	1.04	1179	7.23	66.8			
	10:34		12.7	6.2	0.66	1194	7.24	63.0			
	10:38		12.7	5.6	0.60	1200	7.24	60.7			
	10:42		12.8	5.2	0.55	1203	7.25	58.1			
	10:46		13.1	4.9	0.50	1204	7.26	54.6			
	10:50		13.1	4.6	0.47	1214	7.26	52.8			
	10:54		13.0	4.4	0.47	1213	7.25	52.8			
	Sample collected (MW23-04)										
	P1		13.3	10.2	1.02	1221	7.27	47.2			
	P2		13.2	8.2	0.90	1222	7.26	47.4			
	P3	13.2	7.4	0.77	1221	7.25	47.8				
	05/06/2023	08:23	13.3	11.7	1.22	1214	7.23	68.1	NVOSC		
		08:27	13.3	9.4	0.98	1221	7.11	65.0			
		08:31	13.4	7.6	0.79	1221	7.07	60.2			
		08:35	13.4	6.9	0.72	1221	7.06	56.9			
		08:39	13.4	5.9	0.61	1222	7.05	53.8			
		08:43	13.4	5.4	0.54	1222	7.05	52.0			
		08:47	13.4	4.4	0.46	1221	7.05	49.2			
		08:51	13.5	4.0	0.42	1221	7.05	47.7			
		08:55	13.5	3.5	0.37	1221	7.05	46.5			
		08:59	13.5	3.4	0.35	1220	7.04	45.2			
		09:03	13.5	3.3	0.35	1221	7.05	43.5			
		Sample collected (MW23-04)									
		P1	13.5	3.2	0.33	1225	7.05	41.7			
		P2	13.5	3.1	0.32	1225	7.05	41.6			
		P3	13.5	3.0	0.31	1224	7.05	41.7			
MW23-05		20/04/2023	08:32	12.7	25.0	2.64	1114	7.23		79.5	Clear, mild tar odour, no sheen.
	08:36		12.6	8.4	0.87	1121	7.19	77.5			
	08:40		12.6	5.4	0.56	1134	7.18	75.4			
	08:44		12.7	4.3	0.45	1178	7.19	71.9			
	08:48		12.7	3.7	0.40	1167	7.19	70.4			
	08:52		12.7	3.6	0.38	1160	7.20	68.6			
	08:56		12.7	3.4	0.37	1136	7.21	65.3			
	09:00		12.8	3.4	0.37	1124	7.21	64.6			
	Sample collected (MW23-05)										
	P1		12.7	3.7	0.40	1120	7.19	63.9			
	P2		12.7	3.7	0.40	1120	7.19	63.7			
	P3		12.7	3.7	0.39	1120	7.19	63.6			
	05/06/2023	09:26	13.7	7.9	0.81	1160	7.08	46.0	NVOSC		
		09:30	13.8	4.8	0.50	1165	7.05	45.4			
		09:34	13.8	3.7	0.39	1172	7.05	44.6			
		09:38	13.9	3.1	0.32	1180	7.04	44.1			
		09:42	13.9	3.0	0.31	1182	7.04	43.3			
		09:46	14.0	2.8	0.28	1185	7.03	42.1			
		09:50	14.0	2.7	0.28	1188	7.02	41.2			
		09:54	14.1	2.6	0.27	1193	7.01	39.4			
		09:58	14.1	2.6	0.27	1197	7.01	37.4			
		Sample collected (MW23-05)									
		P1	14.2	2.7	0.28	1202	7.02	32.0			
		P2	14.2	2.7	0.28	1201	7.02	31.7			
P3	14.2	2.7	0.28	1200	7.02	31.7					
MW23-06D	20/04/2023	09:34	12.4	14.1	1.47	2765	8.95	83.2	Heavy yellow/brown silt. Moderate tar odour. Ran dry, grab sample taken.		
		09:38	12.5	10.9	1.14	2766	8.94	87.3			
		09:42	12.4	3.3	0.34	2721	8.97	69.4			
	05/06/2023	Sample collected (MW23-06D)									
		10:34	18.3	2.6	0.24	2704	8.51	49.9	Water cloudy brown and very silty. Smokey burnt plastic odour. Single YSI and Pre-sampled due to shallow water column depth.		
		Sample collected (MW23-06D)									
	20/04/2023	12:01	10.1	5.6	0.63	587.4	9.16	32.0	Clear, hydrocarbon odour and sheen.		
		12:05	10.1	4.9	0.56	589.8	9.26	33.5			
		12:09	10.2	4.8	0.54	600.1	9.37	32.9			
		12:13	10.2	4.8	0.54	611.8	9.44	32.0			
		12:17	10.2	4.6	0.51	620.4	9.47	31.6			
Samples collected (MW22-07)											
MW23-07		06/06/2023	11:30	14.3	8.5	0.87	872	9.18	-50.6	Cloudy grey water, hydrocarbon sheen and odour, medium sized particles.	
			11:34	14.3	4.1	0.42	803	9.50	-39.8		
			11:38	14.3	3.8	0.39	788	9.58	-34.3		
			11:42	14.2	3.5	0.36	783	9.65	-29.6		
			11:46	14.2	2.9	0.30	787	9.69	-24.3		
			11:50	14.3	3.3	0.34	795	9.71	-20.4		
	11:54		14.3	3.3	0.34	798	9.73	-17.8			
	11:58		14.3	3.6	0.37	815	9.74	-14.8			
	12:02		14.3	3.4	0.35	816	9.74	-13.0			
	Samples collected (MW23-07)										
	P1		14.4	4.0	0.40	823	10	-7.5			
P2	14.4	3.2	0.33	817	10	-7.2					
P3	14.4	3.0	0.31	815	10	-6.8					
MW01	20/04/2023	14:47	12.7	3.0	0.31	2124	7.30	-40.0	NVOSC		
		14:51	12.7	3.1	0.33	2126	7.30	-40.4			
		14:55	12.7	2.8	0.29	2123	7.30	-41.0			
		14:59	12.7	2.5	0.27	2118	7.30	-41.1			
		15:03	12.8	2.4	0.26	2115	7.30	-41.3			
		15:07	12.8	2.3	0.24	2109	7.30	-41.4			
	Sample collected (BH08)										
	P1	13.0	4.0	0.39	2108	7.33	-41.1				
	P2	12.9	3.1	0.32	2108	7.32	-41.1				
	P3	12.9	2.8	0.29	2104	7.31	-40.8				
	06/06/2023	07:23	13.1	11.9	1.24	1896	7.33	11.6	NVOSC		
		07:27	3.0	8.4	0.88	1885	7.17	11.7			
07:31		12.9	6.9	0.72	1884	7.14	11.9				
07:35		12.9	5.5	0.57	1886	7.11	12.2				
07:39		13.0	4.7	0.49	1889	7.09	12.4				
07:43		13.1	4.3	0.45	1885	7.08	2.5				
07:47	13.1	3.9	0.41	1885	7.08	12.8					

Monitoring Well	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations	
	dd-mm-yy	hh:mm	°C	%	mg/L	µS cm ⁻¹	unitless	mV		
MW02	19/04/2023	07:51	13.2	3.8	0.40	1884	7.07	13.4	NVOSC	
		07:55	13.2	3.7	0.38	1880	7.08	13.7		
		Sample collected (MW01)								
		P1	13.1	3.8	0.40	1877	7.08	14.6		
		P2	13.1	3.5	0.37	1876	7.08	14.8		
		P3	13.0	3.3	0.35	1876	7.07	14.8		
		14:04	12.9	3.0	0.32	2163	7.52	-54.1		
		14:08	12.9	2.5	0.26	2101	7.48	-52.2		
		14:12	13.0	2.3	0.24	2076	7.46	-51.1		
		14:16	13.1	2.2	0.23	2061	7.44	-50.2		
		14:20	13.0	2.8	0.29	2048	7.43	-49.1		
		14:24	13.1	2.3	0.24	2046	7.42	-48.4		
	14:28	13.1	2.3	0.24	2053	7.41	-47.6			
	14:32	13.2	2.2	0.22	2046	7.41	-47.4			
	Sample collected (MW02)									
	P1	13.1	4.0	0.39	2054	7.43	-46.6			
	P2	13.0	3.0	0.29	2052	7.42	-45.8			
	P3	13.0	2.6	0.26	2051	7.42	-45.8			
	06/06/2023	08:16	12.7	6.3	0.66	1836	7.17	23.4	NVOSC	
		08:20	12.8	3.5	0.37	1829	7.15	22.7		
		08:24	12.8	2.9	0.31	1813	7.15	21.8		
		08:28	12.8	2.7	0.28	1800	7.15	21.4		
		08:32	12.8	2.4	0.26	1792	7.14	21.1		
		08:36	12.9	2.3	0.24	1802	7.14	21.0		
		08:40	12.9	2.2	0.23	1795	7.15	20.8		
		Sample collected (MW02)								
		P1	12.8	3.1	0.33	1803	7.14	21.0		
		P2	12.8	2.5	0.27	1804	7.14	21.0		
		P3	12.8	2.4	0.25	1805	7.14	21.1		
		20/04/2023	09:59	12.9	6.6	0.70	1283	7.36		68.2
10:03	13.0		7.7	0.82	1281	7.31	67.1			
10:07	13.0		6.4	0.67	1281	7.29	65.8			
10:11	13.0		3.9	0.42	1280	7.28	64.4			
10:15	13.0		3.2	0.33	1282	7.27	63.2			
10:19	13.0		2.7	0.29	1295	7.26	62.0			
10:23	13.1		2.6	0.28	1300	7.26	61.2			
10:27	13.0		2.5	0.27	1303	7.26	60.6			
Sample collected (MW03)										
P1	13.1		7.0	0.72	1311	7.29	59.2			
P2	13.1		6.5	0.65	1321	7.28	59.0			
P3	13.1		4.2	0.44	1311	7.27	58.9			
05/06/2023	10:46	13.9	6.1	0.63	1213	7.18	27.1	Water slightly cloudy brown, no sheen, no odour.		
	10:50	14.0	4.1	0.42	1211	7.13	28.3			
	10:54	14.1	3.2	0.34	1212	7.10	28.3			
	10:58	14.2	3.0	0.31	1214	7.09	27.9			
	11:02	14.0	2.7	0.28	1217	7.08	27.2			
	11:06	14.0	2.5	0.26	1218	7.07	26.5			
	11:10	14.1	2.4	0.25	1220	7.07	26.1			
	11:14	14.0	2.2	0.22	1220	7.07	25.7			
	11:18	14.1	2.2	0.22	1222	7.07	25.8			
	Sample collected (MW03)									
	P1	14.1	2.4	0.25	1233	7.06	26.3			
	P2	14.2	2.4	0.25	1233	7.06	26.3			
WS02	19/04/2023	15:20	12.3	10.1	1.08	721	7.41	-51.2	NVOSC	
		15:24	12.2	8.6	0.93	793	7.38	-46.4		
		15:28	12.2	11.2	1.27	855	7.38	-44.7		
		15:32	12.2	9.0	0.97	899	7.39	-43.8		
		15:36	12.2	8.4	0.90	917	7.39	-43.1		
		15:40	12.2	7.6	0.81	941	7.38	-42.1		
		15:44	12.2	7.0	0.77	953	7.38	-41.4		
		15:48	12.2	7.4	0.80	968	7.38	-41.2		
		15:52	12.2	7.4	0.79	975	7.38	-40.8		
		Sample collected (WS02)								
		P1	12.2	8.7	0.92	990	7.46	-41.1		
		P2	12.2	8.2	0.81	989	7.44	-40.2		
	P3	12.2	7.5	0.79	990	7.42	-39.0			
	05/06/2023	13:01	13.5	10.5	1.09	1066	7.59	-62.9	NVOSC	
		13:05	13.6	4.9	0.51	1040	7.30	-54.3		
		13:09	13.7	4.0	0.41	1101	7.25	-50.9		
		13:13	13.7	3.3	0.35	1125	7.21	-47.4		
		13:17	13.7	3.0	0.31	1127	7.19	-44.2		
		13:21	13.8	2.5	0.26	1139	7.17	-40.6		
		13:25	13.8	2.5	0.25	1140	7.17	-37.8		
		13:29	13.7	2.4	0.24	1143	7.17	-35.1		
		Sample collected (WS02)								
		P1	13.9	2.6	0.27	1156	7.16	-30.1		
		P2	13.9	2.5	0.25	1167	7.16	-29.9		
		P3	13.9	2.4	0.25	1170	7.16	-29.7		
	WS04	19/04/2023	13:06	12.9	3.8	0.36	2427	7.67	61.8	Cloudy brown, light sulphurous odour with fine brown particles.
			13:10	13.1	3.4	0.32	2428	7.69	54.8	
			13:14	13.2	3.1	0.31	2416	7.70	46.0	
			13:18	13.2	4.5	0.42	2341	7.72	35.3	
			13:22	13.2	3.2	0.31	2170	7.74	27.7	
13:26			13.1	2.8	0.28	1874	7.77	15.5		
13:30			13.0	2.6	0.26	1745	7.79	5.5		
13:34			13.1	2.4	0.24	1613	7.80	-3.6		
13:38			13.2	2.7	0.27	1527	7.81	-12.4		
13:42			13.1	2.8	0.28	1337	7.83	-20.9		
13:46			13.1	3.4	0.35	1222	7.84	-23.7		
Sample collected (WS04)										
P1		13.1	11.8	1.12	1217	7.87	-26.6			
P2		13.1	10.4	1.03	1225	7.87	-26.1			
P3		13.2	9.6	0.93	12293	7.87	-26.1			
06/06/2023		09:56	12.9	5.0	0.48	24116	7.33	68.3	Water grey, sulphur odour.	
		10:00	12.9	3.5	0.34	24238	7.37	39.0		
		10:04	12.9	2.9	0.28	24285	7.38	16.0		
		10:08	12.9	2.7	0.26	24302	7.39	3.3		
		10:12	12.9	2.5	0.24	24332	7.40	-17.7		
		10:16	12.9	2.5	0.24	24327	7.40	-39.1		
		10:20	12.9	2.4	0.23	24294	7.40	-47.7		
		10:24	12.9	2.3	0.22	24216	7.41	-54.6		
		10:28	12.9	2.2	0.22	23745	7.42	-65.2		
		10:32	13.0	2.1	0.20	22231	7.43	-76.3		
		10:36	13.0	2.1	0.20	20875	7.44	-80.3		
		10:40	13.0	2.0	0.20	18010	7.45	-86.0		
10:44		13.1	1.8	0.18	14829	7.47	-88.2			
10:48		13.2	2.3	0.23	12976	7.46	-86.2			
10:52		13.1	2.4	0.24	12458	7.45	-84.7			
Sample collected (WS04)										
P1	13.3	5.2	0.53	11701	7.46	-78.7				
P2	13.3	5.4	0.54	11513	7.46	-78.2				
P3	13.2	5.2	0.53	11342	7.46	-78.8				
WS07	19/04/2023	13:06	12.9	3.8	0.36	2427	7.67	61.8	Cloudy brown, light sulphurous odour with fine brown particles.	
		13:10	13.1	3.4	0.32	2428	7.69	54.8		
		13:14	13.2	3.1	0.31	2416	7.70	46.0		
		13:18	13.2	4.5	0.42	2341	7.72	35.3		
		13:22	13.2	3.2	0.31	2170	7.74	27.7		
		13:26	13.1	2.8	0.28	1874	7.77	15.5		
		13:30	13.0	2.6	0.26	1745	7.79	5.5		
		13:34	13.1	2.4	0.24	1613	7.80	-3.6		
		13:38	13.2	2.7	0.27	1527	7.81	-12.4		
		13:42	13.1	2.8	0.28	1337	7.83	-20.9		
		13:46	13.1	3.4	0.35	1222	7.84	-23.7		
		Sample collected (WS07)								
	P1	13.1	11.8	1.12	1217	7.87	-26.6			
	P2	13.1	10.4	1.03	1225	7.87	-26.1			
	P3	13.2	9.6	0.93	12293	7.87	-26.1			
	05/06/2023	11:43	13.8	5.9	0.59	10580	6.99	52.7	Water grey, tar odour.	
		11:47	13.7	3.4	0.34	9970	7.00	2.1		
		11:51	13.6	2.7	0.27	9895	7.00	-32.0		
		11:55	13.6	2.2	0.22	8734	6.99	-52.9		
		11:59	13.5	2.1	0.21	8130	7.00	-62.7		
		12:03	13.2	2.0	0.20	7649	7.00	-69.3		
		12:07	13.0	2.4	0.25	7111	7.02	-75.9		
		12:11	12.9	2.2	0.23	6746	7.04	-80.9		
		12:15	12.8	2.1	0.22	6106	7.06	-82.6		
		12:19	12.7	2.0	0.21	6999	7.04	-81.6		
		12:23	12.7	2.0	0.21	5683	7.10	-86.9		
		12:27	12.7	1.9	0.20	5023	7.12	-88.9		
	12:31	12.8	2.3	0.24	4638	7.16	-91.8			
	12:35	12.8	4.5	0.47	4203	7.22	-91.8			
	12:39	12.8	7.0	0.72	4111	7.24	-88.0			
12:43	12.6	5.7	0.60	4082 of 3	7.24	-87.0				
Sample collected (WS07)										
P1	12.7	4.5	0.47	4257	7.23	-81.7				

Table 7 - 2023 Groundwater Monitoring Data

Monitoring Well	Date	Time	Temperature	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	pH	Oxidation-Reduction Potential	Field Observations
	dd-mm-yy	hh:mm	°C	%	mg/L	µS.cm ⁻¹	unitless	mV	
		P2	12.7	4.5	0.47	4253	7.23	-81.7	
		P3	12.7	4.4	0.46	4092	7.23	-81.5	