



To: Shaun Denny
CC: Simon Gould
Date: 15/06/2021

From: Tenant Sibanda
Business Area: Land and Mineral Resources
Address: Pinnacle House, Main street, Breedon on the Hill, Derby, DE73 8AP

Re: Gilfach Quarry: Cefn Faes Uchaf Farm Spring Water Levels and Groundwater Level Data

Please find enclosed data pursuant to conditions 39 and 40 of the planning permission reference no. 2010/655 relating to groundwater level monitoring and spring water level monitoring at Cefn Faes Uchaf Farm.

Groundwater level monitoring

Groundwater level is currently monitored on a monthly basis at 8no. observation boreholes around the quarry. Enclosed groundwater level data include:

- Monthly groundwater level data from August 2007 to May 2021
- Long term hydrograph with all monitoring boreholes on the current monitoring network
- Hydrographs for BH01/07 and BH10/07 showing compliance with set trigger levels

Spring water level monitoring at Cefn Faes Uchaf Farm

Spring water levels are monitored every 15 minutes via an automatic datalogger which is linked to telemetry. The water levels are measured with reference to the top of the spring concrete chamber as metres below top of concrete (mbtc). The hydrograph for spring water level covering the period from June 2020 to June 2021 is enclosed.

The observed water level fluctuations are in response to pumping from the spring chamber to the Farm house. Spring water level has been going down from August 2020 and not recovering back to the original levels after pumping. Spring water level was at its lowest in March 2021 and has been steadily recovering since then.

BH ID	BH01/07		BH02/07		BH03/07		BH04/07		BH05/07		BH07/07		BH10/07	
Ref. Elev. mAOD	160.47		191.03		199.92		191.7		187.98		149.49		154.44	
Piezo depth (mbgl)	27.0		33.0		36.5		30.5		41.0		46.0		35.0	
	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
22-Aug-07	12.57	147.90	8.03	183.00	2.52	197.40	0.8	190.90	23.58	164.40	32.49	117.00	11.54	142.90
10-Nov-07	22.17	138.30	12.23	178.80	1.32	198.60	1.2	190.50	28.68	159.30	33.89	115.60	12.44	142.00
16-Jan-08	11.07	149.40	4.93	186.10	2.42	197.50	0.3	191.40	19.08	168.90	27.49	122.00	6.94	147.50
08-Feb-08	11.67	148.80	7.73	183.30	3.72	196.20	0.8	190.90	25.88	162.10	28.89	120.60	8.84	145.60
07-Mar-08	12.37	148.10	9.93	181.10	4.02	195.90	1	190.70	27.68	160.30	30.79	118.70	10.54	143.90
28-Mar-08	12.57	147.90	10.93	180.10	10.22	189.70	0.8	190.90	27.48	160.50	30.19	119.30	11.24	143.20
06-May-08	14.07	146.40	15.13	175.90	11.32	188.60	1.6	190.10	28.58	159.40	33.09	116.40	14.44	140.00
02-Jun-08	15.67	144.80	17.23	173.80	11.32	188.60	1.8	189.90	30.18	157.80	34.99	114.50	15.34	139.10
29-Jun-08	16.47	144.00	17.93	173.10	3.82	196.10	1.3	190.40	30.38	157.60	32.99	116.50	15.84	138.60
03-Aug-08	15.37	145.10	12.73	178.30	3.02	196.90	0.9	190.80	28.28	159.70	31.99	117.50	14.14	140.30
14-Sep-08	11.97	148.50	8.63	182.40	1.32	198.60	0.8	190.90	24.58	163.40	30.89	118.60	10.24	144.20
19-Oct-08	11.07	149.40	4.73	186.30	3.32	196.60	0.3	191.40	22.78	165.20	28.29	121.20	8.44	146.00
07-Dec-08	11.97	148.50	9.13	181.90	3.4	196.52	0.9	190.80	26.28	161.70	29.29	120.20	10.34	144.10
13-Feb-09	12.22	148.25	8.98	182.05	1.16	198.76					29.22	120.27		
09-Apr-09	13.46	147.01	13.44	177.59	4.76	195.16	5.09	186.61	27.98	160.00	32.95	116.54	13.62	140.82
14-May-09	12.70	147.77	11.83	179.20	4.12	195.80	1.27	190.43	26.27	161.71	33.49	116.00	12.03	142.41
12-Jun-09	12.48	147.99	9.96	181.07	3.13	196.79	1.1	190.60	25.98	162.00	36.02	113.47	11.88	142.56
10-Jul-09	12.60	147.87	9.44	181.59	2.85	197.07	1.03	190.67	26.08	161.90	31.89	117.60	11.8	142.64
07-Aug-09	11.80	148.67	8.28	182.75	3.19	196.73	0.8	190.90	21.39	166.59	28.32	121.17	9.7	144.74
17-Sep-09	12.48	147.99	9.4	181.63	6.72	193.20	1.02	190.68	24.06	163.92	31.86	117.63	11.21	143.23
15-Oct-09	14.92	145.55	14.66	176.37	2.19	197.73	1.37	190.33	27.03	160.95	33.43	116.06	14.1	140.34
06-Nov-09	11.62	148.85	7.55	183.48	2.79	197.13	0.82	190.88	21.45	166.53	29.94	119.55	8.42	146.02
04-Dec-09	3.29	157.18	8.23	182.80	3.64	196.28	0.78	190.92	19.95	168.03	27.93	121.56	9.03	145.41
03-Feb-10			9.12	181.91	3.49	196.43	0.92	190.78	20.39	167.59	29.62	119.87	10.81	143.63
18-Feb-10			9.78	181.25	4.42	195.50	0.94	190.76	20.72	167.26	30.37	119.12	11.36	143.08
05-Mar-10			11.19	179.84	3.96	195.96	1.24	190.46	24.94	163.04	32.07	117.42	11.53	142.91
22-Apr-10			10.36	180.67	11.1	188.82	1.22	190.48	25.11	162.87	30.3	119.19	12.59	141.85
17-May-10	3.20	157.27			11.44	188.48	1.78	189.92	26.19	161.79	32.22	117.27	14.22	140.22
04-Jun-10			18.22	172.81	11.97	187.95	2.1	189.60	28.18	159.80	32.47	117.02	14.97	139.47
15-Jul-10			19.51	171.52	11.31	188.61	1.84	189.86	32.04	155.94	33.84	115.65	15.54	138.90
20-Aug-10			19.28	171.75	3.45	196.47	1.24	190.46	31.21	156.77	31.61	117.88	15.22	139.22
02-Sep-10			10.01	181.02	3.67	196.25	0.87	190.83	20.44	167.54	30.05	119.44	10.11	144.33
12-Oct-10			10.02	181.01	3.02	196.90	0.85	190.85	20.53	167.45	30.27	119.22	10.79	143.65
05-Nov-10			8.91	182.12	4.21	195.71	0.79	190.91	20.09	167.89	30.97	118.52	9.33	145.11
10-Dec-10			10.98	180.05	1.34	198.58	0.99	190.71	23.99	163.99	31.05	118.44	11.62	142.82
14-Jan-11	3.17	157.30	3.9	187.13	1.99	197.93	0.15	191.55	16.09	171.89	28.3	121.19	5.41	149.03
15-Feb-11	11.37	149.10	6.63	184.40	11.37	188.55	0.62	191.08	20.21	167.77	30.44	119.05	8.27	146.17

GILFACH QUARRY: MONTHLY GROUNDWATER LEVEL MONITORING DATA

BH ID	BH01/07		BH02/07		BH03/07		BH04/07		BH05/07		BH07/07		BH10/07	
Ref. Elev. mAOD	160.47		191.03		199.92		191.7		187.98		149.49		154.44	
Piezo depth (mbgl)	27.0		33.0		36.5		30.5		41.0		46.0		35.0	
	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
15-Mar-11	13.20	147.27	12.84	178.19	4.99	194.93	1.11	190.59	23.57	164.41	31.60	117.89	11.83	142.61
11-Apr-11	12.19	148.28	9.50	181.53	3.53	196.39	0.99	190.71	23.59	164.39	32.86	116.63	10.61	143.83
16-May-11	14.85	145.62	16.92	174.11	11.06	188.86	1.57	190.13	25.27	162.71	33.95	115.54	14.24	140.20
06-Jun-11	16.15	144.32	17.46	173.57	10.52	189.40	1.24	190.46	26.13	161.85	33.83	115.66	14.83	139.61
11-Jul-11	12.66	147.81	9.10	181.93	2.65	197.27	0.86	190.84	21.92	166.06	30.90	118.59	10.61	143.83
15-Aug-11	13.88	146.59	13.19	177.84	3.62	196.30	0.98	190.72	23.89	164.09	32.94	116.55	13.33	141.11
07-Sep-11	12.65	147.82	7.65	183.38	2.19	197.73	0.60	191.10	21.90	166.08	31.26	118.23	11.75	142.69
13-Oct-11	13.18	147.29	11.99	179.04	4.53	195.39	0.98	190.72	23.86	164.12	32.36	117.13	12.22	142.22
10-Nov-11	12.52	147.95	10.56	180.47	3.69	196.23	0.76	190.94	21.34	166.64	31.31	118.18	10.77	143.67
01-Dec-11	11.57	148.90	6.99	184.04	2.25	197.67	0.66	191.04	22.39	165.59	30.78	118.71	9.27	145.17
04-Jan-12	11.04	149.43	5.30	185.73	1.67	198.25	0.46	191.24	20.83	167.15	29.61	119.88	7.42	147.02
02-Feb-12	10.86	149.61	5.16	185.87	1.59	198.33	0.38	191.32	20.14	167.84	29.07	120.42	7.11	147.33
01-Mar-12	12.40	148.07	10.22	180.81	4.07	195.85	1.03	190.67	22.91	165.07	31.35	118.14	10.77	143.67
03-Apr-12	13.82	146.65	15.44	175.59	9.42	190.50	1.57	190.13	25.15	162.83	32.47	117.02	13.49	140.95
21-May-12	12.65	147.82	11.64	179.39	4.38	195.54	1.03	190.67	22.72	165.26	31.55	117.94	11.34	143.10
12-Jun-12	12.62	147.85	11.62	179.41	4.36	195.56	1.02	190.68	27.70	160.28	31.53	117.96	11.33	143.11
10-Jul-12	11.81	148.66	11.63	179.40	4.35	195.57	1.00	190.70	27.67	160.31	30.44	119.05	9.59	144.85
02-Aug-12	13.08	147.39	12.02	179.01	4.80	195.12	0.96	190.74	28.92	159.06	10.70	138.79	10.70	143.74
25-Oct-12	12.60	147.87	11.25	179.78	4.40	195.52	1.12	190.58	21.60	166.38	31.10	118.39	11.08	143.36
08-Nov-12	11.90	148.57	8.73	182.30	3.40	196.52	0.90	190.80	19.35	168.63	30.85	118.64	9.70	144.74
18-Dec-12	11.35	149.12	6.60	184.43	2.25	197.67	0.70	191.00	19.30	168.68	28.00	121.49	9.00	145.44
28-Jan-13	11.07	149.40	5.64	185.39	1.85	198.07	0.57	191.13	19.18	168.80	27.93	121.56	8.13	146.31
01-Feb-13	11.20	149.27	6.20	184.83	1.72	198.20	0.56	191.14	18.38	169.60	27.90	121.59	7.67	146.77
01-Mar-13	13.00	147.47	13.30	177.73	5.00	194.92	1.40	190.30	24.15	163.83	28.60	120.89	12.00	142.44
24-Apr-13	14.50	145.97	14.95	176.08	5.20	194.72	1.50	190.20	25.40	162.58	29.40	120.09	14.20	140.24
29-May-13	13.02	147.45	13.33	177.70	4.53	195.39	1.00	190.70	24.40	163.58	29.01	120.48	12.70	141.74
14-Jun-13	13.78	146.69	16.30	174.73	5.10	194.82	1.51	190.19	24.93	163.05	29.39	120.10	13.75	140.69
22-Jul-13	14.18	146.29	15.39	175.64	5.49	194.43	1.71	189.99	25.09	162.89	29.41	120.08	14.38	140.06
27-Aug-13	13.51	146.96	13.09	177.94	4.57	195.35	1.17	190.53	23.98	164.00	29.23	120.26	11.42	143.02
24-Sep-13	13.07	147.40	9.46	181.57	3.36	196.56	0.91	190.79	21.87	166.11	29.23	120.26	10.57	143.87
18-Oct-13	14.12	146.35	14.66	176.37	5.81	194.11	1.24	190.46	23.86	164.12	29.49	120.00	13.55	140.89
29-Nov-13	12.87	147.60	12.52	178.51	4.67	195.25	1.08	190.62	21.64	166.34	27.68	121.81	11.78	142.66
17-Dec-13	11.74	148.73	6.30	184.73	1.89	198.03	0.57	191.13			27.57	121.92	10.49	143.95
24-Jan-14	12.02	148.45	10.16	180.87	2.96	196.96	0.79	190.91			28.09	121.40	11.97	142.47
24-Feb-14	11.84	148.63	8.93	182.10	3.03	196.89	0.66	191.04			27.77	121.72	10.00	144.44
27-Mar-14	13.40	147.07	12.86	178.17	3.92	196.00	0.98	190.72			28.25	121.24	13.00	141.44
22-Apr-14	13.04	147.43	13.68	177.35	10.99	188.93	9.01	182.69			28.31	121.18	14.54	139.90

GILFACH QUARRY: MONTHLY GROUNDWATER LEVEL MONITORING DATA

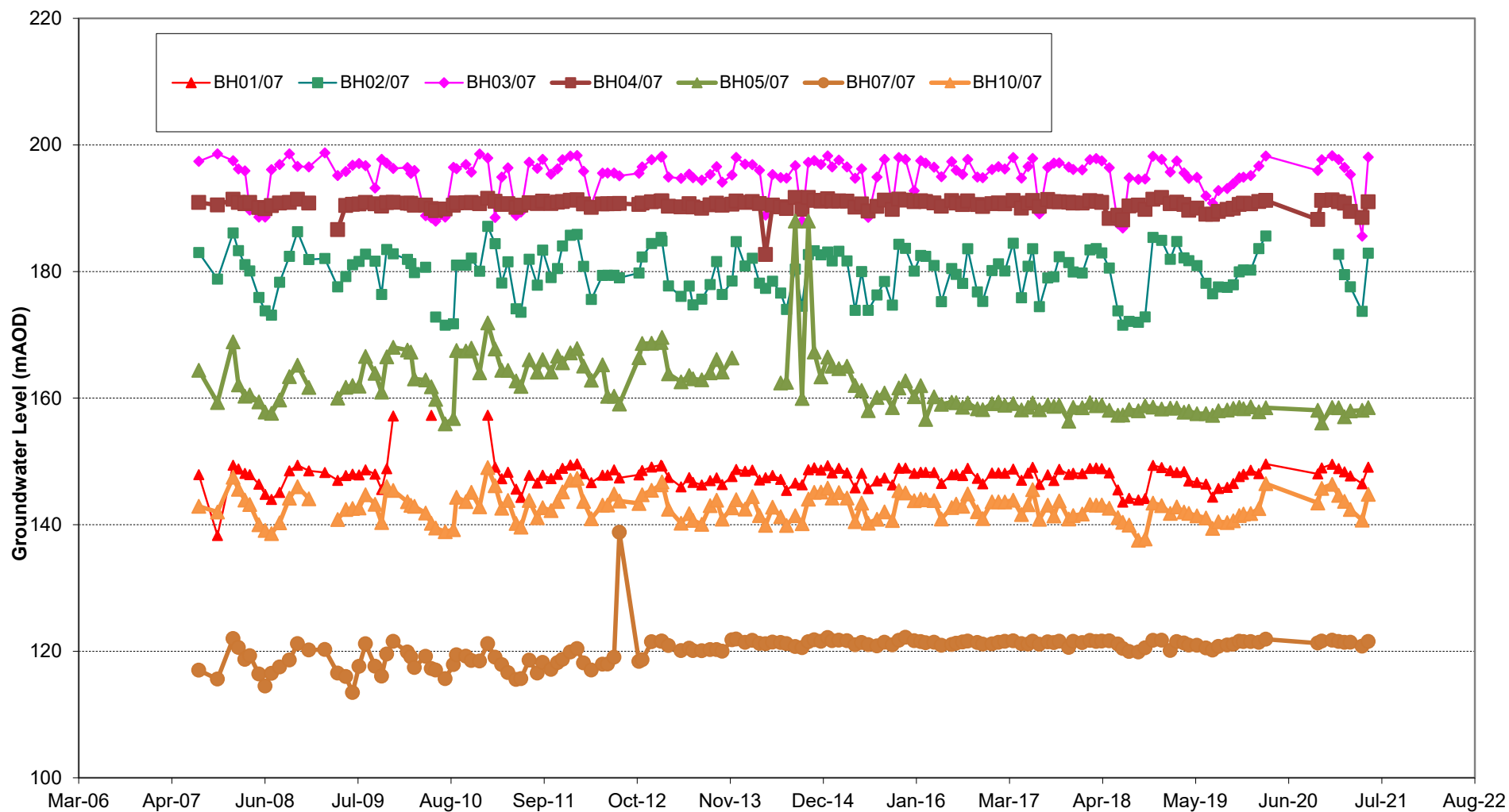
BH ID	BH01/07		BH02/07		BH03/07		BH04/07		BH05/07		BH07/07		BH10/07	
Ref. Elev. mAOD	160.47		191.03		199.92		191.7		187.98		149.49		154.44	
Piezo depth (mbgl)	27.0		33.0		36.5		30.5		41.0		46.0		35.0	
	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
22-May-14	12.69	147.78	12.57	178.46	4.59	195.33	1.22	190.48			28.05	121.44	11.68	142.76
26-Jun-14	13.30	147.17	14.43	176.60	5.08	194.84	1.50	190.20	25.59	162.39	28.11	121.38	13.18	141.26
21-Jul-14	15.05	145.42	17.02	174.01	5.16	194.76	1.75	189.95	25.48	162.50	28.29	121.20	14.56	139.88
28-Aug-14	13.88	146.59	10.65	180.38	3.19	196.73		191.70		187.98	28.76	120.73	13.02	141.42
26-Sep-14	14.17	146.30	16.52	174.51	11.92	188.00	1.87	189.83	28.03	159.95	28.93	120.56	14.28	140.16
23-Oct-14	11.79	148.68	8.35	182.68	2.68	197.24		191.70		187.98	28	121.49	10.4	144.04
17-Nov-14	11.48	148.99	7.74	183.29	2.4	197.52	0.48	191.22	20.68	167.30	27.69	121.80	9.32	145.12
16-Dec-14	11.85	148.62	8.39	182.64	3	196.92	0.6	191.10	24.63	163.35	27.94	121.55	9.28	145.16
14-Jan-15	11.14	149.33	7.95	183.08	1.65	198.27	0.21	191.49	21.5	166.48	27.32	122.17	8.67	145.77
02-Feb-15	12.28	148.19	9.36	181.67	3.4	196.52	0.59	191.11	22.94	165.04	27.83	121.66	10.23	144.21
03-Mar-15	11.56	148.91	7.83	183.20	2.3	197.62	0.56	191.14	23.31	164.67	27.76	121.73	9.37	145.07
07-Apr-15	12.28	148.19	9.36	181.67	3.4	196.52	0.59	191.11	22.94	165.04	27.83	121.66	10.23	144.21
12-May-15	14.65	145.82	17.16	173.87	5.18	194.74	1.54	190.16	25.99	161.99	28.47	121.02	13.96	140.48
09-Jun-15	12.35	148.12	11.03	180	3.7	196.22	1.03	190.67	26.76	161.22	28.12	121.37	11.03	143.41
07-Jul-15	14.78	145.69	17.15	173.88	11.35	188.57	2.16	189.54	29.96	158.02	28.46	121.03	14.19	140.25
14-Aug-15	13.54	146.93	14.74	176.29	4.99	194.93	1.41	190.29	27.87	160.11	28.66	120.83	13.58	140.86
15-Sep-15	13.08	147.39	12.61	178.42	2.18	197.74	0.43	191.27	27.17	160.81	28.07	121.42	12.41	142.03
19-Oct-15	14.18	146.29	16.33	174.7	9.75	190.17	1.89	189.81	29.47	158.51	28.49	121	13.77	140.67
16-Nov-15	11.55	148.92	6.72	184.31	1.91	198.01	0.28	191.42	26.37	161.61	27.78	121.71	9.06	145.38
14-Dec-15	11.52	148.95	7.36	183.67	2.19	197.73	0.44	191.26	25.25	162.73	27.28	122.21	9.43	145.01
21-Jan-16	12.37	148.1	10.95	180.08	7.17	192.75	0.68	191.02	27.76	160.22	27.83	121.66	10.65	143.79
18-Feb-16	12.19	148.28	8.48	182.55	2.41	197.51	0.53	191.17	26.01	161.97	27.98	121.51	10.4	144.04
10-Mar-16	12.21	148.26	8.64	182.39	2.79	197.13	0.66	191.04	31.35	156.63	28.16	121.33	10.51	143.93
15-Apr-16	12.23	148.24	10.08	180.95	3.44	196.48	0.88	190.82	27.78	160.2	28.08	121.41	10.62	143.82
17-May-16	13.95	146.52	15.79	175.24	4.94	194.98	1.4	190.3	28.95	159.03	28.56	120.93	13.53	140.91
30-Jun-16	12.59	147.88	10.56	180.47	2.56	197.36	0.52	191.18	28.63	159.35	28.44	121.05	11.74	142.7
19-Jul-16	12.46	148.01	11.48	179.55	3.91	196.01	0.89	190.81	28.7	159.28	28.23	121.26	11.19	143.25
16-Aug-16	12.71	147.76	12.91	178.12	4.58	195.34	1.13	190.57	29.42	158.56	28.03	121.46	11.54	142.9
07-Sep-16	11.56	148.91	7.43	183.6	2.21	197.71	0.56	191.14	28.76	159.22	27.89	121.6	9.59	144.85
18-Oct-16	13.14	147.33	14.25	176.78	5	194.92	1.14	190.56	29.65	158.33	28.12	121.37	12.4	142.04
10-Nov-16	14	146.47	15.76	175.27	5.1	194.82	1.44	190.26	29.8	158.18	28.38	121.11	13.47	140.97
20-Dec-16	12.31	148.16	10.88	180.15	3.8	196.12	1	190.7	28.85	159.13	28.33	121.16	10.83	143.61
17-Jan-17	12.28	148.19	9.81	181.22	3.35	196.57	0.88	190.82	28.61	159.37	28.09	121.4	10.82	143.62
13-Feb-17	12.34	148.13	10.93	180.1	3.72	196.2	1.01	190.69	29.09	158.89	27.93	121.56	10.84	143.6
21-Mar-17	11.69	148.78	6.56	184.47	1.91	198.01	0.49	191.21	28.84	159.14	27.85	121.64	10.57	143.87
26-Apr-17	13.44	147.03	15.17	175.86	5.15	194.77	1.69	190.01	29.85	158.13	28.29	121.2	12.83	141.61
24-May-17	12.32	148.15	10.19	180.84	3.33	196.59	0.9	190.8	29.41	158.57	28.38	121.11	11.29	143.15

GILFACH QUARRY: MONTHLY GROUNDWATER LEVEL MONITORING DATA

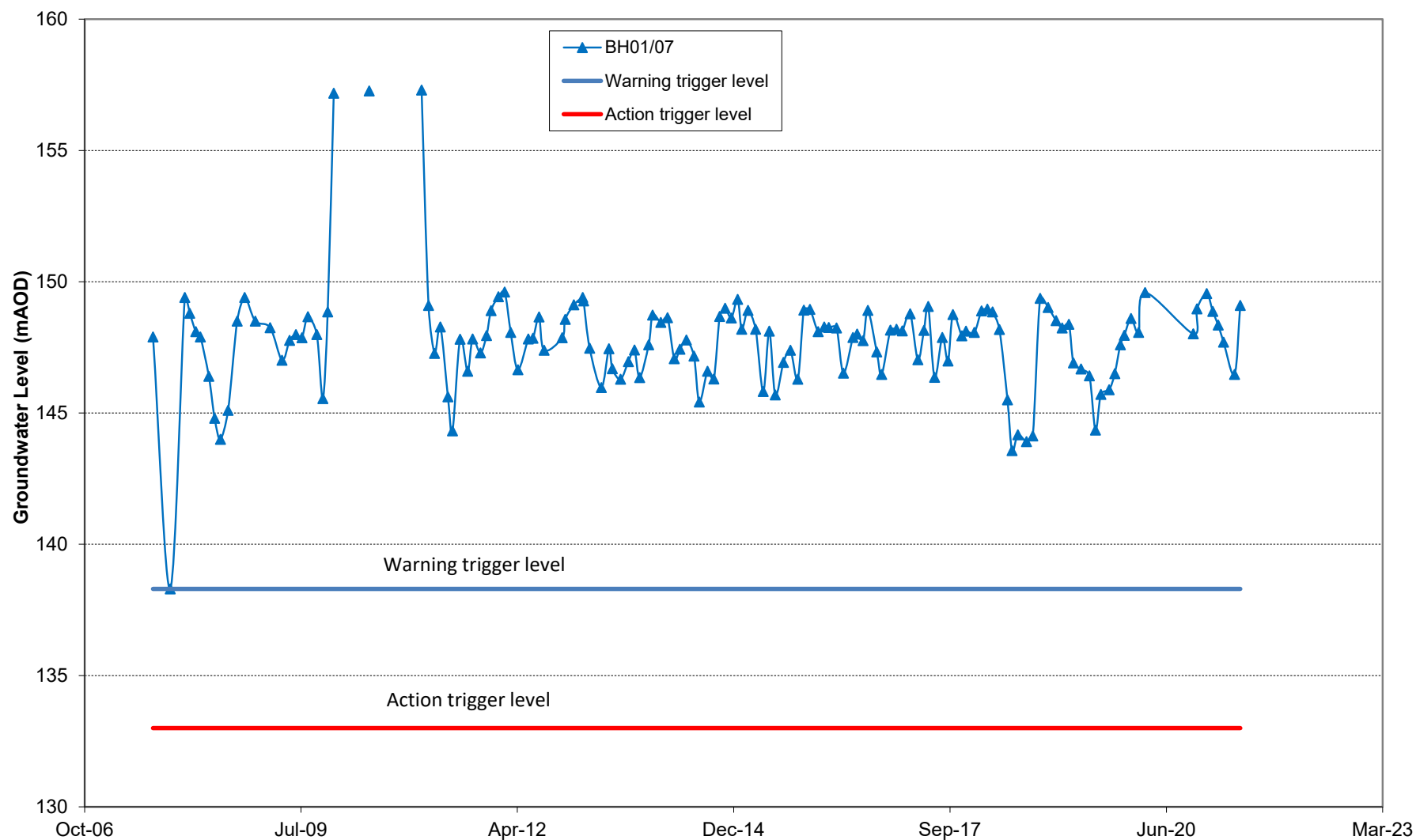
BH ID	BH01/07		BH02/07		BH03/07		BH04/07		BH05/07		BH07/07		BH10/07	
Ref. Elev. mAOD	160.47		191.03		199.92		191.7		187.98		149.49		154.44	
Piezo depth (mbgl)	27.0		33.0		36.5		30.5		41.0		46.0		35.0	
	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
13-Jun-17	11.41	149.06	7.42	183.61	2.05	197.87	0.5	191.2	28.76	159.22	27.91	121.58	8.91	145.53
12-Jul-17	14.11	146.36	16.58	174.45	10.8	189.12	1.41	190.29	29.83	158.15	28.39	121.1	13.57	140.87
17-Aug-17	12.59	147.88	12.04	178.99	3.47	196.45	0.34	191.36	29.03	158.95	28.02	121.47	11.35	143.09
12-Sep-17	13.49	146.98	11.86	179.17	2.79	197.13	0.68	191.02	29.27	158.71	28.13	121.36	13.05	141.39
05-Oct-17	11.72	148.75	8.7	182.33	2.76	197.16	0.7	191	29.1	158.88	27.91	121.58	10.68	143.76
15-Nov-17	12.53	147.94	9.61	181.42	3.42	196.5	0.75	190.95	31.62	156.36	28.9	120.59	13.54	140.9
04-Dec-17	12.35	148.12	11.09	179.94	3.79	196.13	0.89	190.81	29.43	158.55	27.94	121.55	12.99	141.45
12-Jan-18	12.4	148.07	11.25	179.78	3.85	196.07	0.9	190.8	29.5	158.48	28.14	121.35	12.75	141.69
14-Feb-18	11.58	148.89	7.6	183.43	2.24	197.68	0.51	191.19	28.7	159.28	27.79	121.7	11.26	143.18
13-Mar-18	11.51	148.96	7.41	183.62	2.07	197.85	0.63	191.07	29.17	158.81	27.96	121.53	11.35	143.09
06-Apr-18	11.62	148.85	8.08	182.95	2.43	197.49	0.79	190.91	29.08	158.9	27.89	121.6	11.32	143.12
08-May-18	12.29	148.18	10.48	180.55	3.52	196.4	3.33	188.37	29.9	158.08	27.86	121.63	11.83	142.61
14-Jun-18	14.97	145.50	17.24	173.79	12.36	187.56	2.82	188.88	30.69	157.29	28.35	121.14	13.31	141.13
05-Jul-18	16.9	143.57	19.5	171.53	13.05	186.87	3.56	188.14	30.65	157.33	29.05	120.44	14.05	140.39
01-Aug-18	16.3	144.17	18.9	172.13	5.12	194.8	1.35	190.35	29.8	158.18	29.53	119.96	14.5	139.94
10-Sep-18	16.56	143.91	19.04	171.99	5.36	194.56	1.21	190.49	29.99	157.99	29.62	119.87	16.89	137.55
09-Oct-18	16.34	144.13	18.2	172.83	5.3	194.62	1.9	189.8	29.2	158.78	28.95	120.54	16.68	137.76
12-Nov-18	11.1	149.37	5.65	185.38	1.7	198.22	0.3	191.4	29.4	158.58	27.78	121.71	11.02	143.42
19-Dec-18	11.45	149.02	6.1	184.93	2.2	197.72		191.7	29.7	158.28	27.76	121.73	11.42	143.02
25-Jan-19	11.95	148.52	9.09	181.94	4.2	195.72	1	190.7	29.56	158.42	29.38	120.11	12.65	141.79
22-Feb-19	12.23	148.24	6.29	184.74	2.45	197.47	0.75	190.95	29.53	158.45	27.98	121.51	11.63	142.81
25-Mar-19	12.09	148.38	8.87	182.16	4.33	195.59	1.12	190.58	30.2	157.78	28.2	121.29	12.43	142.01
15-Apr-19	13.56	146.91	9.32	181.71	5.2	194.72	2.04	189.66	30.04	157.94	28.54	120.95	12.65	141.79
20-May-19	13.79	146.68	10.09	180.94	5.03	194.89	1.69	190.01	30.45	157.53	28.56	120.93	13.03	141.41
28-Jun-19	14.05	146.42	12.89	178.14	7.98	191.94	2.65	189.05	30.42	157.56	28.98	120.51	13.37	141.07
26-Jul-19	16.12	144.35	14.54	176.49	9.12	190.8	2.67	189.03	30.71	157.27	29.32	120.17	15.02	139.42
20-Aug-19	14.76	145.71	13.47	177.56	7.12	192.8	2.21	189.49	29.98	158	28.74	120.75	13.97	140.47
27-Sep-19	14.58	145.89	13.52	177.51	6.81	193.11	1.89	189.81	29.87	158.11	28.52	120.97	14.09	140.35
23-Oct-19	13.97	146.5	13.12	177.91	6.03	193.89	1.72	189.98	29.59	158.39	28.39	121.1	13.82	140.62
18-Nov-19	12.87	147.6	11.07	179.96	5.13	194.79	1.12	190.58	29.41	158.57	27.92	121.57	12.99	141.45
06-Dec-19	12.51	147.96	10.78	180.25	5.01	194.91	0.91	190.79	29.65	158.33	27.98	121.51	12.76	141.68
06-Jan-20	11.87	148.6	10.79	180.24	4.76	195.16	1.02	190.68	29.35	158.63	27.98	121.51	12.67	141.77
10-Feb-20	12.4	148.07	7.4	183.63	3.25	196.67	0.65	191.05	30.15	157.83	28.1	121.39	11.9	142.54
11-Mar-20	10.88	149.59	5.42	185.61	1.66	198.26	0.47	191.23	29.5	158.48	27.58	121.91	7.96	146.48
20-Oct-20	12.45	148.02	191.03		3.95	195.97	3.49	188.21	29.91	158.07	28.2	121.29	11	143.44
06-Nov-20	11.5	148.97	191.03		2.25	197.67	0.48	191.22	31.9	156.08	27.9	121.59	8.7	145.74
21-Dec-20	10.92	149.55	191.03		1.62	198.3	0.39	191.31	29.45	158.53	27.75	121.74	8.05	146.39

GILFACH QUARRY: MONTHLY GROUNDWATER LEVEL MONITORING DATA

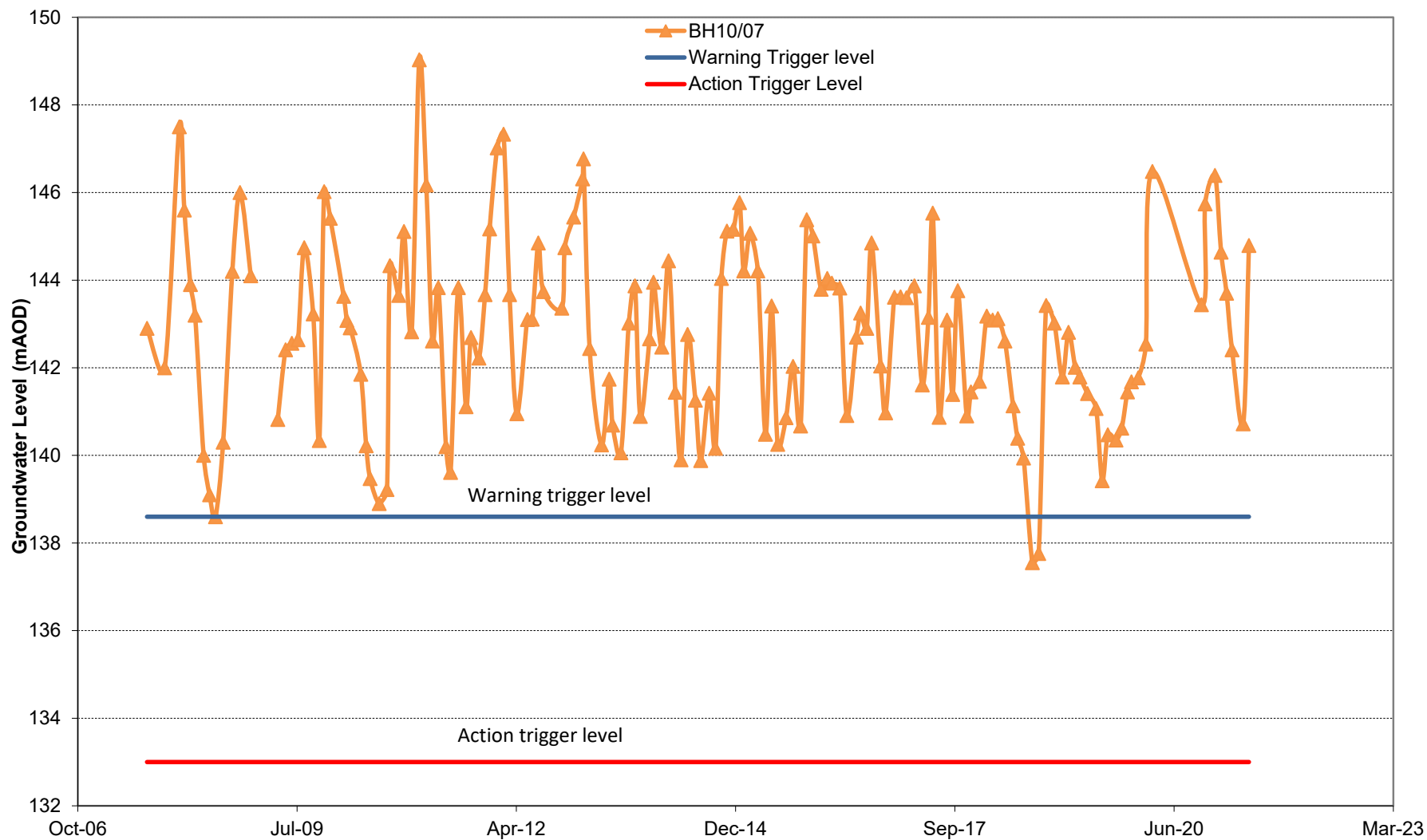
BH ID	BH01/07		BH02/07		BH03/07		BH04/07		BH05/07		BH07/07		BH10/07	
Ref. Elev. mAOD	160.47		191.03		199.92		191.7		187.98		149.49		154.44	
Piezo depth (mbgl)	27.0		33.0		36.5		30.5		41.0		46.0		35.0	
	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
18-Jan-21	11.6	148.87	8.3	182.73	2.22	197.7	0.68	191.02	29.5	158.48	27.95	121.54	9.8	144.64
12-Feb-21	12.12	148.35	11.52	179.51	3.47	196.45	0.92	190.78	30.92	157.06	28.1	121.39	10.74	143.7
09-Mar-21	12.77	147.7	13.45	177.58	4.58	195.34	2.21	189.49	30	157.98	28.08	121.41	12.03	142.41
29-Apr-21	14	146.47	17.32	173.71	14.32	185.6	3.18	188.52	29.9	158.08	28.69	120.8	13.72	140.72
25-May-21	11.37	149.1	8.12	182.91	1.85	198.07	0.69	191.01	29.48	158.5	27.95	121.54	9.65	144.79



GILFACH QUARRY - COMPOSITE LONG TERM GROUNDWATER HYDROGRAPH



GILFACH QUARRY - BH01/07 HYDROGRAPH AND TRIGGER LEVELS



GILFACH QUARRY - BH10/07 HYDROGRAPH AND TRIGGER LEVELS

Gilfach Quarry: Cefn Faes Uchaf Farm Spring Water Level (mbtc)

June 2020 - June 2021

