

General				Geological					Geotechnical Testing			
GC/PR ID Number	Turbine / Development Area on Map	Easting	Northing	Substrate Description (BS 5930)	Peat Depth (m)	Von Post (H)	Refusal Type / Bedrock / Hard Pan Occurrence	Lithological Unit	Depth Interval	kPa Value	Slope Angle (degrees)	Slope Direction
GC1	T1C	110937	51787	Dark Brown soft, wet, fibrous, PEAT	0.35	3-6	Rock	PEAT	0.2	26	3	W
GC2	T1N	110937	51799	Dark Brown soft, wet, fibrous, PEAT	0.25	3-6	Rock	PEAT			20	n/a
GC3	T1S	110937	51760	Dark Brown soft, wet, fibrous, PEAT	0.2	3-6	Rock	PEAT			7	n/a
GC4	T1E	110952	51787	Dark Brown soft, wet, fibrous, PEAT	0.3	3-6	Rock	PEAT			4	W
GC5	T1W	110928	51787	Dark Brown soft, wet, fibrous, PEAT	0.3	3-6	Rock	PEAT			6	NW
GC6	Trk	111120	51812	Dark Brown soft, wet, fibrous, PEAT	2.4	3-5	Rock	PEAT			0	n/a
GC7	T2C	111175	51813	Dark Brown soft, moist, fibrous, PEAT	0.1	3-5	Rock	PEAT	0.1	34	10	N
GC8	T2E	111193	51813	Dark Brown soft, moist, fibrous, PEAT	0.1	3-5	Rock	PEAT			10	N
GC9	T2W	111155	51813	Dark Brown soft, moist, fibrous, PEAT	0.2	3-5	Rock	PEAT			10	N
GC10	T2N	111175	51835	Dark Brown soft, moist, fibrous, PEAT	0.25	3-5	Rock	PEAT			1	N
GC11	T2S	111175	51790	Dark Brown soft, moist, fibrous, PEAT	0.1	3-5	Rock	PEAT			5	N
GC12	Trk	111245	51831	Dark Brown soft, moist, fibrous, PEAT	0.45	3-6	Rock	PEAT			3	N
GC13	Trk	111319	51845	Dark Brown soft, moist, fibrous, PEAT	.6	3-5	Rock	PEAT			2	N
GC14	T3C	111396	51892	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	2.1	3-7	Clay	PEAT	0.5 1.0 1.5	18 16 20	0	n/a
GC15	T3N	111396	51920	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	3.15	3-7	Clay	PEAT			3	N
GC16	T3E	111420	51892	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	1.7	3-7	Clay	PEAT			0	n/a
GC17	T3W	111371	51892	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	1.9	3-7	Clay	PEAT			0	n/a

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GC18	T3S	111396	51870	no peat	n/a	n/a	Rock	BEDROCK			5	N
GC19	north of T3	111396	51835	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	1.4	3-7	Clay	PEAT			2	N
GC20	Trk	111460	51910	Dark Brown soft, moist, fibrous, PEAT	1.2	3-7	Rock	PEAT			1	N
GC21	Trk	111477	51928	Dark Brown soft, moist, fibrous, PEAT	3.1	3-7	Rock	PEAT			2	N
GC22		111477	51938	Dark Brown soft, moist, fibrous, PEAT	1.0	3-7	Rock	PEAT			1	N
GC23		111551	52053	Dark Brown soft, moist, fibrous, PEAT	2.1	3-9	Rock	PEAT			3	N
GC24	off Trk	111429	52015	Dark Brown to brown soft, very wet, fibrous to amorphous, PEAT	3.1	3-9	Rock	PEAT			1	N
GC25	off Trk	111445	52050	Dark Brown to brown soft, moist, fibrous to amorphous, PEAT	0.3	3-5	Rock	PEAT			3	N
GC26	Trk	111576	52087	no peat	n/a	n/a	Rock	BEDROCK			6	N
GC27	T6C	111596	52093	no peat	n/a	n/a	Rock	BEDROCK	n/a	n/a	4	N
GC28	T6W	111573	52093	Dark Brown soft, moist, fibrous, PEAT	0.5	3-5	Rock	PEAT			7	N
GC29	T6E	111619	52093	no peat	n/a	n/a	Rock	BEDROCK			15	N
GC30	T6S	111596	52070	no peat	n/a	n/a	Rock	BEDROCK			12	N
GC31	T6N	111596	52118	Dark Brown soft, moist, fibrous, PEAT	1.0	3-6	Rock	PEAT			8	N
GC32	Trk	111648	52114	Dark Brown soft, moist, fibrous, PEAT	1.5	3-8	Rock	PEAT			3	N
GC33	Trk	111683	52123	Dark brown, fibrous, wet PEAT	1.75	3-7	Rock	PEAT			3	N
GC34	Trk	111672	52145	no peat	n/a	n/a	Rock	BEDROCK			2	N

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GC35	T7C	111680	52135	no peat	n/a	n/a	Rock	BEDROCK	n/a	n/a	0	n/a
GC36	T7E	111683	52135	Dark Brown soft, moist, fibrous, PEAT	0.3	3-5	Rock	PEAT			3	NE
GC37	T7N	111680	52158	no peat	n/a	n/a	Rock	BEDROCK			9	NE
GC38	T7S	111680	52111	Dark Brown soft, moist, fibrous, PEAT	0.2	3-5	Rock	PEAT			0	n/a
GC39	T7W	111678	52135	Dark Brown soft, moist, fibrous, PEAT	0.4	3-5	Rock	PEAT			3	E
GC40	T5C	111890	51991	no peat	n/a	n/a	Rock	BEDROCK	n/a	n/a	7	S
GC41	T5S	111890	51965	no peat	n/a	n/a	Rock	BEDROCK			55	S
GC42	T5W	111864	51991	no peat	n/a	n/a	Rock	BEDROCK			8	SE
GC43	T5E	111916	51991	no peat	n/a	n/a	Rock	BEDROCK			60	SE
GC44	T5N	111890	52015	Dark Brown soft, moist, fibrous, PEAT	0.2	3-5	Rock	PEAT			3	N
GC45	Trk	111750	51935	no peat	n/a	n/a	Rock	BEDROCK			3	E
GC46	Trk	111800	51958	no peat	n/a	n/a	Rock	BEDROCK			3	E
GC47	Trk	111830	51964	no peat	n/a	n/a	Rock	BEDROCK			3	E
GC48	Trk	111726	52087	no peat	n/a	n/a	Rock	BEDROCK			3	NE
GC49	Trk	111660	52021	no peat	n/a	n/a	Rock	BEDROCK			3	NE
GC50	off Trk	111704	52000	Dark Brown soft, moist, fibrous, PEAT	1.6	3-7	Rock	PEAT			2	NE
GC51	Trk	111703	51924	no peat	n/a	n/a	Rock	BEDROCK			3	E

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GC52	T4C	111633	51920	no peat	n/a	n/a	Rock	BEDROCK	n/a	n/a	5	E
GC53	T4S	111633	51895	Dark Brown soft, moist, fibrous, PEAT	0.3	3-5	Rock	PEAT			7	SE
GC54	T4E	111655	51920	no peat	n/a	n/a	Rock	BEDROCK			5	E
GC55	T4W	111607	51920	no peat	n/a	n/a	Rock	BEDROCK			5	E
GC56	T4N	111633	51945	no peat	n/a	n/a	Rock	BEDROCK			7	N
GC57	Trk	111522	51923	Dark Brown soft, moist, fibrous, PEAT	1.6	3-5	Rock	PEAT			3	E
GC58	Trk	111525	51923	Dark Brown soft, moist, fibrous, PEAT	1	3-5	Rock	PEAT			2	E
GC59	Trk	111530	51923	no peat	n/a	n/a	Rock	BEDROCK			2	E
GC60	Trk	111509	51921	Dark brown, fibrous, wet PEAT	2.3	3-9	Rock	BEDROCK			2	E
GC61	Trk	11143	51073	Brown, soft wet PEAT	0.6	3-5	Rock	PEAT	0.5	32	3	SE
GC62	Trk	11211	51156	Brown, soft wet PEAT			1.1	3-5			Rock	PEAT
GC63	Trk	11230	51181	Brown, soft wet PEAT	1.0	3-4	Rock	PEAT			3	SE
GC64	Trk	11264	51227	Brown, soft wet PEAT	0.2	3-5	Rock	PEAT			3	SE
GC65	Trk	11342	51339	Brown, soft moist PEAT	0.5	3-4	Rock	PEAT			0	SE
GC66	Trk	11408	51404	Brown, soft moist PEAT	0.2	3-5	Rock	PEAT			0	SE
GC67	Trk	11523	51508	Brown, soft moist PEAT	0.2	3-5	Rock	PEAT			2	SE
GC68	Trk	11600	51560	Brown, soft moist PEAT	0.5	3-4	Rock	PEAT			3	SE

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GC69	Trk	11647	51605	Brown, soft moist PEAT	0.3	3-6	Rock	PEAT			5	SE
GC70	Trk	11695	51691	Brown, soft moist PEAT	0.7	3-6	Rock	PEAT			6	SE
GC71	Trk	11772	51742	Brown, soft moist PEAT	0.4	3-6	Rock	PEAT			4	SE
GC72	Trk	11789	51790	Brown, soft moist PEAT	0.4	3-5	Rock	PEAT			5	SE
GC73	Trk	11828	51833	Brown, soft wet PEAT	0.3	3-5	Rock	PEAT			6	SE
GC74	Trk	11900	51910	Brown, soft wet PEAT	0.5	3-5	Rock	PEAT			7	SE
GC75	Trk	11993	51991	Brown, soft wet PEAT	2.1	3-7	Rock	PEAT			7	SE
GC76	Trk	11969	51994	Brown, soft moist PEAT	0.2	3-4	Rock	PEAT			5	SE
D1 S1		111138	50913	Flow: approx 10 l/s, pH: 8.57 , EC: 60 uS/cm, Temp (degrees C): 18.1								
D2 S1		110384	51835	Flow: approx 3 l/s , pH: 8.90 , EC: 30 uS/cm , Temp (degrees C): 14.1								

## Selected site photographs

**Photo 1:** Mineral subsoil exposure on existing track north of T1 showing evidence of iron leaching.



**Photo 2:** Exposed bedrock north of T1 / T2, typical of the Gun Point Formation, green/grey sandstone.



## Selected site photographs

**Photo 3:** Looking west, trackway from T3 to T2 will be located on the high ground in left of photo on shallow peat/rock. Peat in centre of photo is 1-2.5m deep.



**Photo 4:** Looking east from location of T7, not bedrock at surface.



## Selected site photographs

**Photo 5:** Looking west at exposed bedrock immediately downslope of T7 typical of purple siltstone of the Gun Point Formation.



**Photo 6:** Looking west towards locations of T6 and T7 on north slopes of Derreenacinnig hill





## Selected site photographs

**Photo 7:** Looking east along proposed track route from T5 to T4, peat here is 0 – 0.3m deep along the higher ground.



**Photo 8:** Peat-mineral subsoil interface at exposure on existing track north of T2.

