

Appendix 9.4

Groundwater Sampling Field Record Sheets

Coolglass Wind Farm EIAR Volume 3

Coolglass Wind Farm Limited

SLR Project No.: 501.V00727.00006

07 June 2023

GROUNDWATER SAMPLING FIELD RECORD SHEET

Site location: Coolglass (Fossey), Co. Laois

SLR job number: 501.00727.00006

Date: 5th Sept 2022

Time: 12:20pm

Staff: Orlaith Tyrrell

Equipment: Bailer, Aquatroll, Dip meter

	BH T2
Groundwater level (m btoc)	3.24
Groundwater level (m bgl)	2.78
Total depth approx (m btoc)	19.35
Volume of water in borehole (litres)	88.6
Waterra/bailer	Bailer
Volume purged (litres)	90

Temperature (°C)	9.57
Dissolved oxygen (%)	39.37
Dissolved oxygen (mg/l)	4.32
Specific conductivity (µS/cm)	354.75
Conductivity (µS/cm)	249.95

	BH T2
pH	6.53
pHmv	27.4

Odour	No
Sheen	No
Silt	Low
Colour	Slight grey, medium opaque
Free product	No

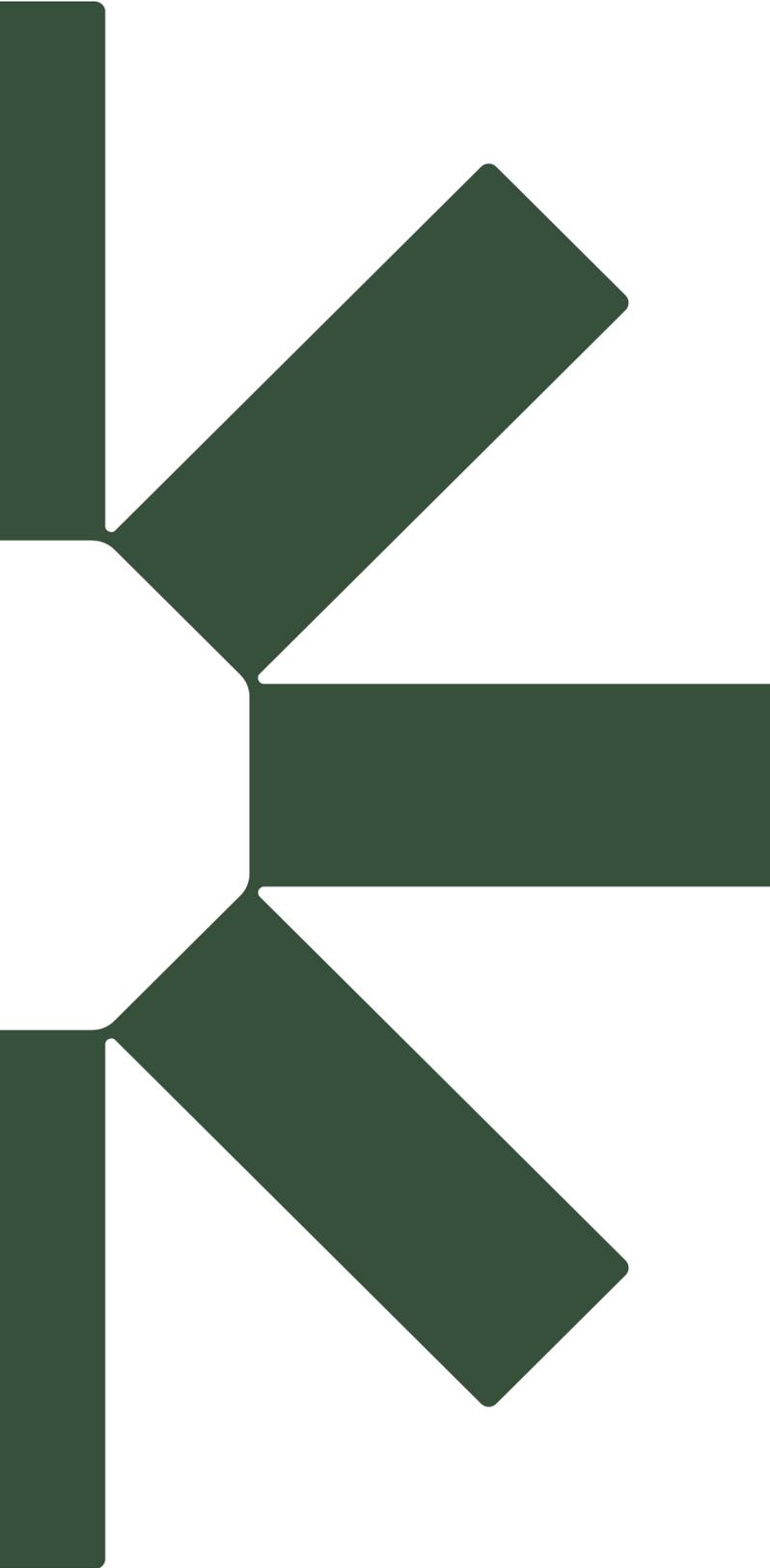
Well purged dry	No
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Any other field observations:

Groundwater level at time of drilling was 13.90m bgl. GW level has risen to 2.78m bgl during this monitoring round. 6m slotted installation at end of borehole (13 to 19m bgl). Groundwater can be expected to have risen from these deeper bedrock fractures.

ONE WELL VOLUME (50mm diameter casing)	BS 10175
Terrier Borehole with 50mm Pipe	4l/m
6" Borehole with 50mm Pipe	5.5l/m
6" Borehole with 100mm Pipe	11.5l/m
8" Borehole with 50mm Pipe	8.25l/m
8" Borehole with 100mm Pipe	14.25l/m

Note : Purging should continue until Removal of at least three well volumes, or pH, conductivity and temperature readings have stabilised (any two successive reading are within 10% of eachother). If well is not recovering and it is not possible to meet these criteria then a grab sample should be obtained.



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