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Letter Jennings O’Donovan, Co. Leitrim

Photographs



Surface Water Sampling R2 21/03/2023 (Wet)



Surface Water Sampling R2 21/03/2023 (Wet)



Surface water Sampling R2 21/03/2023 (Wet)



Surface Water Sampling R2 21/03/2023 (Wet)



Surface Water Sampling R1 21/03/2023 (Wet)



Surface Water Sampling R1 21/03/2023 (Wet)



Surface Water Sampling R2 (Dry)



Surface Water Sampling R2 (Dry)



Surface Water Sampling R2 17/04/2023 (Dry)



Surface Water Sampling R2 17/04/2023 (Dry)



Surface Water Sampling R1 21/03/2023 (Wet)



Surface Water Sampling R1 21/03/2023 (Wet)



Evidence of Iron Pan R1 21/03/2023 (Wet)



Surface Water Sampling R2 17/04/2023 (Dry)



Surface Water Sampling SW4 R1 21/03/2023 (Wet)



Surface Water Sampling SW4 R1 21/03/2023 (Wet)



Surface Water Sampling R2 (Dry) 17/04/2023.

SW5 Locality R1 21/03/2023.



Upstream sampling location SW5 R1 (Wet) 21/03/2023.



SW5 Water Colour observed R1 21/03/2023.



River that runs adjacent to T2 observed during site survey, upstream on left downstream on right 21/03/2023.



Track to River observed during site survey 21/03/2023.



River observed during site survey 21/03/2023.



Existing tracks and water pooling observed 21/03/2023.



Evidence of Iron Pan 21/03/2023 (Wet)



North of site from Track 21/03/2023.



Looking down on river and SW4 from Track 21/03/2023.



Existing tree felling in direction of T1 Locality 17/04/2023.

The Turbine locations were assessed under dry weather conditions on the 17/04/2023. There is evidence of tree felling from the track leading in the direction of T1. There was water the full length across the clearing, pools of water ranging from .4m – 1m in diameter were visible along the edges with depths of 80cm (see photo on right).



Hydrology of turbine location T1	Access drain along track	Water beneath tree felling
depth	9cm	80cm
Flow direction	North-east (away from site)	East (to access drain)
pH	5.24	4.03
Conductivity	93	64
Temperature	10.5	11.3

Depth Reading in 3m wide wetland. 80CM.



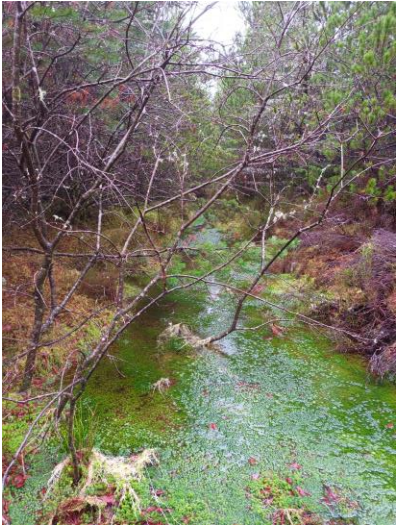
Existing drains Depth 50-60cm observed 17/04/2023.

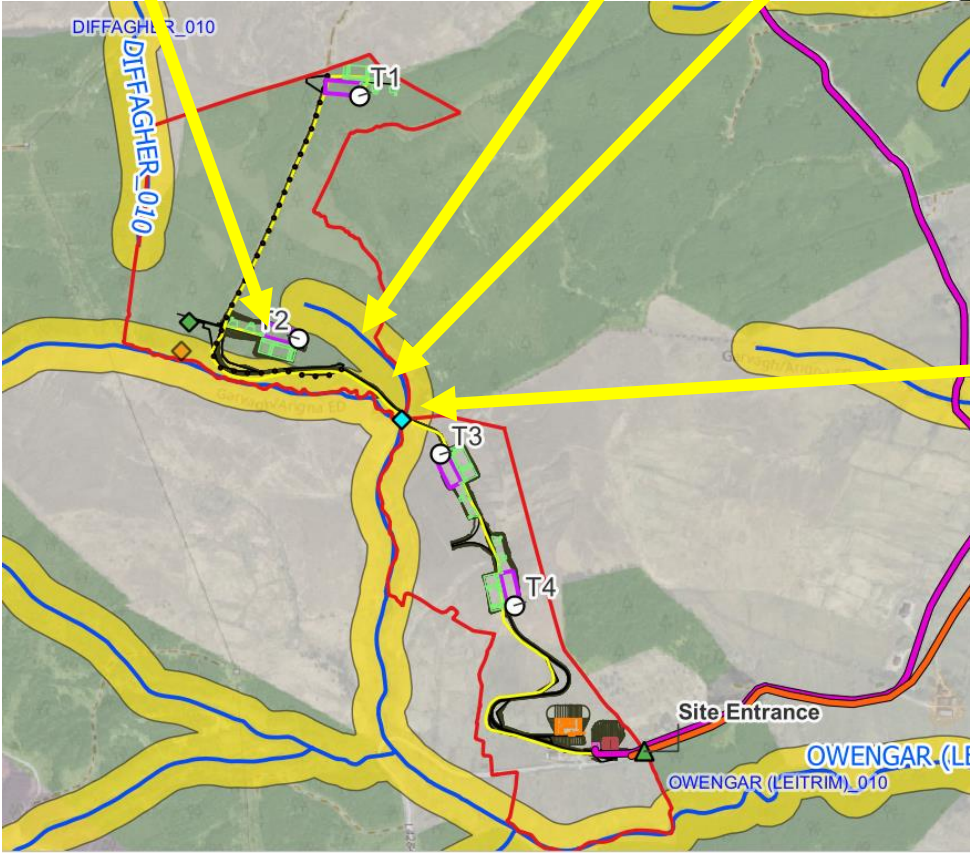


Existing drains feeding into mapped river observed 17/04/2023.

T2 Location is also in a forested area. There is existing drains every 6-7m which all drain towards the mapped Owengar (Leitrim)_010 river on site. This river is then blocked further downstream before it reaches the main channel at Water Course Crossing (WCC) 1.

Hydrology of turbine location T2	Forest drains in T2 Locality	Mapped River
depth	50cm	20-40cm
Flow direction	North (to mapped river)	South-east (to WWC1)
pH	4.78	
Conductivity	56	
Temperature	9.8	







T3 Locality directional shot south-east 17/04/2023.



Drains south-west of T3 Site 17/04/2023. Depth 10cm



T4 Locality 17/04/2023.



T4 directional shot North-west 17/04/2023.



WWC1 proposed bridge locality, directional shot South-east 17/04/2023.



WWC1 proposed bridge locality, directional shot West 17/04/2023.



WWC1 proposed bridge locality, directional shot North-west 17/04/2023. Cooler for scale

