

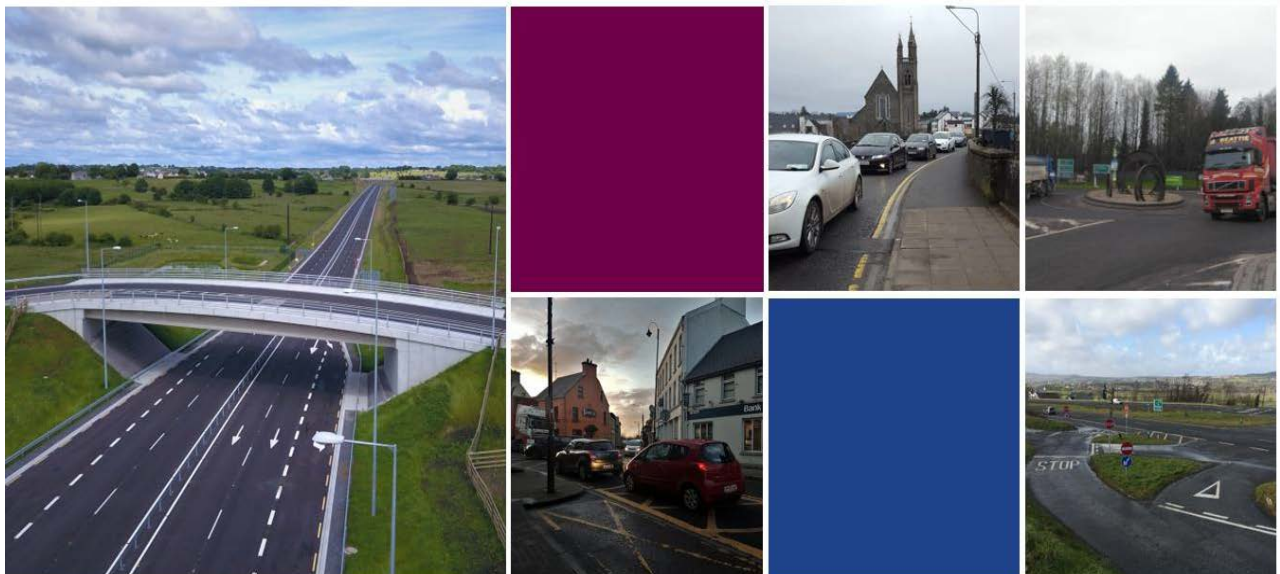
Appendix C10.03

Water Quality Results

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Water Quality Results

TEN-T Priority Route Improvement Project, Donegal



TT_MGT0337-RPS-P3-ZZ-RP-E-EN0001

EIAR

March 2026





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Irish Drilling Limited
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Attention: Dympna Darcy

CERTIFICATE OF ANALYSIS

Date of report Generation: 17 February 2022
Customer: Irish Drilling Limited
Sample Delivery Group (SDG): 220201-74
Your Reference: 2020DL101
Location: TenT Water Samples
Report No: 633943
Order Number: 8386

This report has been revised and directly supersedes 633404 in its entirety.

We received 4 samples on Tuesday February 01, 2022 and 4 of these samples were scheduled for analysis which was completed on Thursday February 17, 2022. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden.

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.

Incorrect sampling dates and/or sample information will affect the validity of results.

The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager





CERTIFICATE OF ANALYSIS

Validated

SDG: 220201-74
Client Ref.: 2020DL101

Report Number: 633943
Location: TenT Water Samples

Superseded Report: 633404

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
25740842	BSBHRC3009	EW1	0.00 - 0.00	27/01/2022
25740818	DrumboeStream	EW1	0.00 - 0.00	27/01/2022
25740829	HolyWell	EW1	0.00 - 0.00	27/01/2022
25740810	RiverFinn	EW1	0.00 - 0.00	27/01/2022

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 220201-74
Client Ref.: 2020DL101

Report Number: 633943
Location: TenT Water Samples

Superseded Report: 633404

Results Legend		Customer Sample Ref.	BSBHRC3009	DrumboeStream	HolyWell	RiverFinn		
#	ISO17025 accredited.	Depth (m) Sample Type Date Sampled Sampled Time Date Received SDG Ref Lab Sample No.(s) AGS Reference	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
M	mCERTS accredited.		Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)		
aq	Aqueous / settled sample.		27/01/2022	27/01/2022	27/01/2022	27/01/2022		
diss.filt	Dissolved / filtered sample.		01/02/2022	01/02/2022	01/02/2022	01/02/2022		
tot.unfilt	Total / unfiltered sample.		220201-74	220201-74	220201-74	220201-74		
*	Subcontracted - refer to subcontractor report for accreditation status.		25740842	25740818	25740829	25740810		
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery		EW1	EW1	EW1	EW1		
(F)	Trigger breach confirmed							
1-4*\$@	Sample deviation (see appendix)							
Component	LOD/Units		Method					
Alkalinity, Total as CaCO3	<2 mg/l	TM043	163	63.9	70.5	10.1		
Carbon, Organic (diss.filt)	<3 mg/l	TM090	3.7	4.18	<3	5.75		
Ammoniacal Nitrogen as N (low level)	<0.01 mg/l	TM099	0.896	0.059	0.049	<0.01		
Sulphide	<0.01 mg/l	TM101	<0.01	<0.01	0.0173	<0.01		
Dissolved solids, Total (meter)	<5 mg/l	TM123	273	144	169	52.2		
Chromium, Trivalent	<0.03 mg/l	TM152	<0.03	<0.03	<0.03	<0.03		
Arsenic (diss.filt)	<0.5 µg/l	TM152	<0.5	<0.5	<0.5	<0.5		
Barium (diss.filt)	<0.2 µg/l	TM152	70.5	29.3	23.2	4.91		
Beryllium (diss.filt)	<0.1 µg/l	TM152	<0.1	<0.1	<0.1	<0.1		
Boron (diss.filt)	<10 µg/l	TM152	<10	<10	<10	<10		
Cadmium (diss.filt)	<0.08 µg/l	TM152	<0.08	<0.08	<0.08	<0.08		
Chromium (diss.filt)	<1 µg/l	TM152	<1	<1	<1	<1		
Copper (diss.filt)	<0.3 µg/l	TM152	4.68	0.798	0.367	0.339		
Lead (diss.filt)	<0.2 µg/l	TM152	<0.2	<0.2	<0.2	0.206		
Manganese (diss.filt)	<3 µg/l	TM152	514	47.9	<3	4.26		
Molybdenum (diss.filt)	<3 µg/l	TM152	<3	<3	<3	<3		
Nickel (diss.filt)	<0.4 µg/l	TM152	6.78	0.566	<0.4	<0.4		
Selenium (diss.filt)	<1 µg/l	TM152	<1	<1	<1	<1		
Vanadium (diss.filt)	<1 µg/l	TM152	<1	<1	<1	<1		
Zinc (diss.filt)	<1 µg/l	TM152	36.7	2.49	4.78	2.14		
Sodium (Dis.Filt)	<0.076 mg/l	TM152	15.6	9.72	8.17	6.55		
Magnesium (Dis.Filt)	<0.036 mg/l	TM152	5.28	3.01	3.31	1.2		
Potassium (Dis.Filt)	<0.2 mg/l	TM152	5.19	2.04	1.25	0.563		
Calcium (Dis.Filt)	<0.2 mg/l	TM152	53.6	21.9	29.2	3.8		
Iron (Dis.Filt)	<0.019 mg/l	TM152	<0.019	0.196	<0.019	0.258		
Hardness, Total as CaCO3 unfiltered	<0.35 mg/l	TM152	220	77.8	101	18.4		
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01	<0.01	<0.01	<0.01		
Nitrite as NO2	<0.05 mg/l	TM184	<0.05	0.066	<0.05	<0.05		
Sulphate	<2 mg/l	TM184	14.1	7.6	4.9	<2		
Chloride	<2 mg/l	TM184	15.7	17	15	14		
Phosphate (Ortho as P)	<0.02 mg/l	TM184	<0.02	<0.02	<0.02	<0.02		
Nitrate as NO3	<0.3 mg/l	TM184	2.61	4.54	10.3	0.63		

