

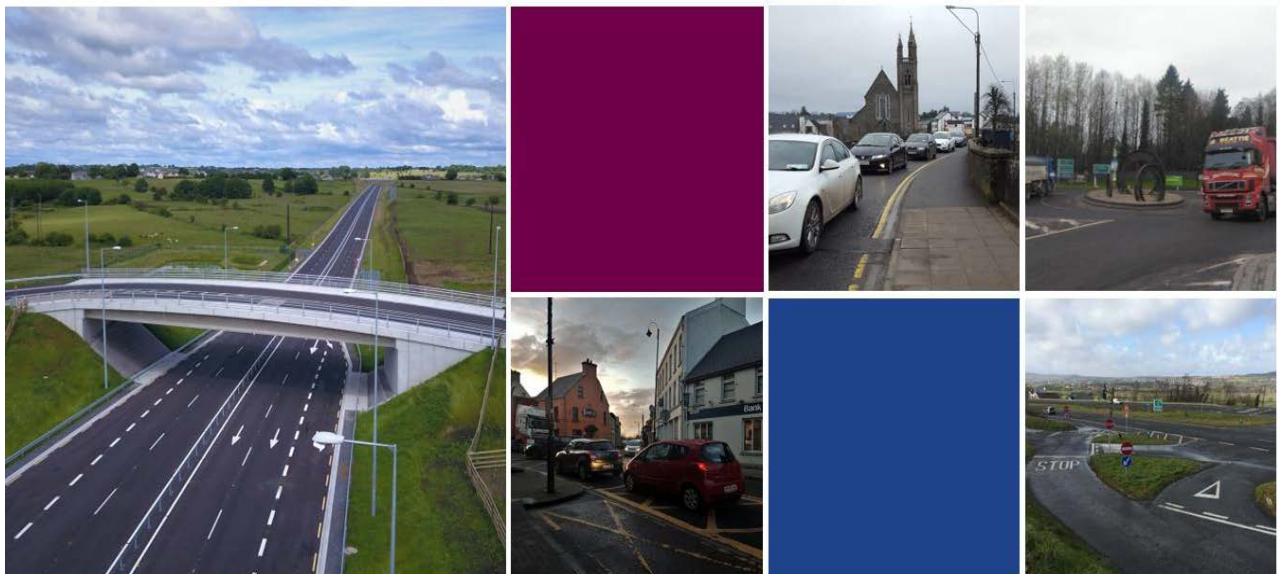
# Appendix C10.01

## Groundwater Level Monitoring Data

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### Groundwater Level Monitoring Data

#### TEN-T Priority Route Improvement Project, Donegal



TT\_MGT0337-RPS-P3-ZZ-RP-E-EN0001

EIAR

March 2026

## Section 1

### Groundwater Level Monitoring Data

## Groundwater Levels

Contract: TEN-T Project  
 Location: Ballybofey(Section1)  
 Client: Donegal CoCo  
 Engineer: RPS

Test carried out by: Irish Drilling Ltd.  
 Operators: DF,PC  
 Date installed:  
 Date:



Standpipes	01/09/2020 m +/- (gl)	29/03/2021 m +/- (gl)	26/05/2021 m +/- (gl)	19/07/2021 m +/- (gl)	20/08/2021 m +/- (gl)	27/01/2022 m +/- (gl)	O.D. Ground Level
BS BHSP1106	-0.75m (84.717m O.D.)	-0.55m (84.917m O.D.)	-0.75m (84.717m O.D.)	-1.16m (84.307m O.D.)	-1.15m (84.317m O.D.)	-0.65m (84.817m O.D.)	85.467m
BS BHSP1109	-0.50m (82.432m O.D.)	-0.11m (82.822m O.D.)	-0.57m (82.362m O.D.)	-1.01m (81.922m O.D.)	-0.98m (81.952m O.D.)	-0.53m (82.402m O.D.)	82.932m
BS BHSP1110	-0.53m (81.025 O.D.)	-0.28m (81.275 O.D.)	-0.75m (80.805 O.D.)	-0.97m (80.58 O.D.)	-1.00m (80.55 O.D.)	-0.60m (80.955 O.D.)	81.555m
BS BHSP1111	-0.48m (77.473 O.D.)	-0.49m (77.463 O.D.)	-0.60m (77.353 O.D.)	-0.61m (77.353 O.D.)	-0.70m (77.253 O.D.)	-0.62m (77.333 O.D.)	77.953m
BS BHSP1112	-0.58m (72.664 O.D.)	-0.40m (72.844 O.D.)	-0.68m (72.564 O.D.)	-1.12m (72.124 O.D.)	-1.20m (72.044 O.D.)	-0.70m (72.544 O.D.)	73.244m
BS BHSP1118	-0.55m (124.685 O.D.)	-0.93m (124.305 O.D.)	-1.29m (123.945 O.D.)	-1.15m (124.085 O.D.)	-1.46m (123.775 O.D.)	-1.41m (123.825 O.D.)	125.235m
BS BHSP1119	-0.95m (127.777 O.D.)	-0.23m (128.497 O.D.)	-0.52m (128.207 O.D.)	-0.34m (128.387 O.D.)	-0.34m (128.387 O.D.)	-0.56m (128.167 O.D.)	128.727m
BS BHSP1125	-0.53m (137.835 O.D.)	-0.55m (137.815 O.D.)	-0.80m (137.565 O.D.)	-0.97m (137.395 O.D.)	-0.98m (137.385 O.D.)	-0.85m (137.515 O.D.)	138.365m
BS BHSP1127	-0.46m (130.656 O.D.)	-0.43m (130.686 O.D.)	-0.96m (130.156 O.D.)	-1.27m (129.846 O.D.)	-1.13m (129.986 O.D.)	-0.86m (130.256 O.D.)	131.116m
BS BHSP3002		-0.32m ( 118.63 O.D.)	-0.32m ( 118.62 O.D.)	-0.32m ( 118.62 O.D.)	-0.52m ( 118.42 O.D.)	-0.45m ( 118.49 O.D.)	118.94m
BS BHSP3003		-0.20m ( 131.553 O.D.)	-0.65m ( 131.103 O.D.)	-0.83m ( 130.923 O.D.)	-0.87m ( 130.883 O.D.)	-0.73m ( 131.023 O.D.)	131.753m
BSBHRC1001	-0.35m ( 83.182 O.D.)	-0.30m ( 83.232 O.D.)	-0.35m ( 83.182 O.D.)	-0.68m ( 82.852.D.)	-0.70m ( 82.832.D.)	-0.28m ( 83.252.D.)	83.532m
BSBHRC1002	-0.50m ( 81.722 O.D.)	-0.41m ( 81.812 O.D.)	-0.44m ( 81.782 O.D.)	-0.47m ( 81.752 O.D.)	-0.55m ( 81.672 O.D.)	-0.45m ( 81.772 O.D.)	82.222m
BSBHRC1004	-2.05m ( 23.063 O.D.)	-1.85m ( 23.263 O.D.)	-2.38m ( 22.733 O.D.)	-2.09m ( 23.023 O.D.)	-2.02m ( 23.534 O.D.)	-2.40m ( 22.713 O.D.)	25.113m
BSBHRC1005	-1.65m ( 23.904 O.D.)	-1.50m ( 24.054 O.D.)	-2.10m ( 23.454 O.D.)	-2.29m ( 23.264 O.D.)	-2.20m ( 23.354 O.D.)	-2.06m ( 23.494 O.D.)	25.554m
BSBHRC1010	-1.78m ( 18.474 O.D.)	-1.17m ( 19.084 O.D.)	-2.10m ( 18.154 O.D.)	-2.55m ( 17.704 O.D.)	-2.55m ( 17.704 O.D.)	-1.93m ( 18.324 O.D.)	20.254m
BSBHRC1016	-0.45m ( 138.279 O.D.)	-0.23m ( 138.499 O.D.)	-0.45m ( 138.279 O.D.)	-0.55m ( 138.179 O.D.)	-0.54m ( 138.189 O.D.)	-0.50m ( 138.229 O.D.)	138.729m
BSBHRC1018	-0.90m ( 121.976 O.D.)	No access	No access	No access	No access	No access	122.876m
BSBHRC1022	-0.65m ( 78.838 O.D.)	-0.58m ( 78.908 O.D.)	-1.50m ( 77.988 O.D.)	-2.11m ( 77.378 O.D.)	-2.07m ( 77.418 O.D.)	-1.42m ( 78.068 O.D.)	79.488m
BSBHRC1023		-0.58m ( 71.28 O.D.)	-0.64m ( 71.22 O.D.)	-1.16m ( 70.70 O.D.)	-1.12m ( 70.74 O.D.)	-0.73m ( 71.13 O.D.)	71.86m
BSBHRC1026	-1.24m ( 54.913 O.D.)	-0.33m ( 55.823 O.D.)	-0.69m ( 55.463 O.D.)	-0.86m ( 55.293 O.D.)	-1.01m ( 55.143 O.D.)	-0.72m ( 55.433 O.D.)	56.153m
BSBHRC3001		-0.64m ( 70.999 O.D.)	-1.00m ( 70.639 O.D.)	-1.00m ( 70.639 O.D.)	-1.40m ( 70.239 O.D.)	-0.82m ( 70.819 O.D.)	71.639m
BSBHRC3003		-0.47m ( 135.906 O.D.)	-0.86m ( 135.516 O.D.)	-0.67m ( 135.706 O.D.)	-0.74m ( 135.636 O.D.)	-0.83m ( 135.546 O.D.)	136.376m
BSBHRC3004		-0.43m ( 133.255 O.D.)	-0.88m ( 132.805 O.D.)	-1.35m ( 132.335 O.D.)	-1.42m ( 132.265 O.D.)	-0.99m ( 132.695 O.D.)	133.685m
BSBHRC3005		-0.40m ( 34.706 O.D.)	-0.58m ( 34.526 O.D.)	-0.98m ( 34.126 O.D.)	-1.05m ( 34.056 O.D.)	-0.50 ( 34.606 O.D.)	35.106m
BSBHRC3006		-0.33m ( 34.386 O.D.)	-0.53m ( 34.186 O.D.)	-1.05m ( 33.666 O.D.)	-1.00m ( 33.716 O.D.)	-0.44m ( 34.276 O.D.)	34.716m
BSBHRC3007		-0.55m ( 26.147 O.D.)	-1.05m ( 25.647 O.D.)	-1.47m ( 25.227 O.D.)	-1.65m ( 25.047 O.D.)	-1.02m ( 25.677 O.D.)	26.697m
BSBHRC3009(SP)				-4.30m (54.972 O.D.)	-4.24m (55.032 O.D.)	-3.95m (54.302 O.D.)	59.272m
BSBHRC3009(Piezo)				Dry	Dry	Dry	59.272m
BSBHRC3010(SP)				-4.75m (56.863 O.D.)	-4.76m (56.853 O.D.)	-4.48m (57.133 O.D.)	61.613m
BSBHCP1202	-0.25m ( 82.888 O.D.)	-0.05m ( 82.088 O.D.)	-0.45m ( 82.688 O.D.)	-0.60m ( 82.538 O.D.)	-0.63m ( 82.508 O.D.)	-0.21m ( 82.928 O.D.)	83.138m

**TEN-T SECTION 1 WATER QUALITY READINGS****Date: January 27th and 28th 2022**

Date	Location	Water Level (mOD)	Dissolved Oxygen (mg/L)	Dissovled Oxygen (%L)	Redox Potential(mV)	pH Value	Temp (C°)
27.01.22	BS BHRC 3009	3.95m	1.65	22.7	71	7.12	10.3
27.01.22	BS BHRC 3010	4.48m	3.1	43	112	6.73	10.6
27.01.22	Holywell Stream	N/A	2.97	40.7	147	6.39	10
27.01.22	River Finn	N/A	5.33	70.2	116	7.6	8.7
27.01.22	Dromboe Stream	N/A	6.8	89.8	108	7.4	8.3

## Section 2

### Groundwater Level Monitoring Data

Groundwater Levels		Test carried out by:		Irish Drilling Ltd.	
Contract:	TEN-1 Project	Operators:		DF:PC	
Location:	Letchkenny(Section2)	Date installed:			
Client:	Doregal CoCo	Date:			
Engineer:	RPS				

Standpipes	07/09/2020 m +/- (gl)	29/10/2020 m +/- (gl)	31/03/2020 m +/- (gl)	25/05/2021 m +/- (gl)	20/07/2021 m +/- (gl)	18/08/2021 m +/- (gl)	28/01/2022 m +/- (gl)	O.D. Ground Level
LK BHRC2001	-2.27m (7.674m O.D.)	-2.10m (8.044m O.D.)	-2.23m (7.914m O.D.)	-2.10m (8.044m O.D.)	-2.64m (7.504m O.D.)	-2.58m (7.564m O.D.)	-2.47m (7.674m O.D.)	10.144m
LK BHRC2006	-1.70m/-1.90 (0.403m/0.203 O.D.)	-0.30m/-0.70 (1.803m/1.403 O.D.)	-0.70m/-1.00 (1.403m/1.103 O.D.)	Landowner issues	Landowner issues	Landowner issues	Landowner issues	2.103m(Nested Piezo)
LK BHRC2013	-0.58m (84.489m O.D.)	-0.33m (84.739m O.D.)	-0.45m (84.619m O.D.)	-0.65m (84.419m O.D.)	-0.83m (84.239m O.D.)	-0.76m (84.309m O.D.)	-0.54m (84.429m O.D.)	85.069m
LK BHRC2014	-2.50m (53.31m O.D.)	-1.00m (54.81m O.D.)	-2.25m (53.56m O.D.)	-2.41m (53.40m O.D.)	-3.44m (52.37m O.D.)	-2.95m (52.86m O.D.)	-2.75m (53.06m O.D.)	56.81m
LK BHRC2017	-1.00m (22.799m O.D.)	-0.50m (23.299m O.D.)	-1.00m (22.799m O.D.)	-1.29m (22.509m O.D.)	-1.86m (21.939m O.D.)	-1.31m (22.489m O.D.)	-2.46m (21.339m O.D.)	23.799m
LK BHRC2021	-11.00m (12.489m O.D.)	-8.70m (14.799m O.D.)	-8.85m (14.649m O.D.)	-9.82m (13.679m O.D.)	-12.84m (10.659m O.D.)	-10.98m (10.659m O.D.)	-9.67m (13.829m O.D.)	23.489m
LK BHRC4001			-1.25m (96.449m O.D.)	-1.40m (96.299m O.D.)	-1.62m (96.079m O.D.)	-1.45m (96.249m O.D.)	-1.25m (96.449m O.D.)	97.899m
LK BHRC4002			-1.82m (62.399m O.D.)	-2.76m (61.459m O.D.)	-3.36m (60.859m O.D.)	-3.12m (61.099m O.D.)	-2.73m (61.489m O.D.)	64.216m
LK BHCP2212	-0.95m (1.127m O.D.)	-0.40m (1.677m O.D.)	-0.40m (1.677m O.D.)	-0.80m (1.277m O.D.)	-1.24m (0.837m O.D.)	-0.97m (-1.107m O.D.)	No Access	2.077m
LK BHCP2216	-0.57m (1.797m O.D.)	Unable to get key Landowner away	Filled over by rubble	Filled over by rubble	Filled over by rubble	Filled over by rubble	Filled over by rubble	2.367m
LK BHCP2237		-0.60m (2.898m O.D.)	-0.57m (2.928m O.D.)	-0.79m (2.708m O.D.)	-1.02m (2.478m O.D.)	-0.93m (2.568m O.D.)	-0.80m (2.698m O.D.)	3.498m

**TEN-T Section 2: Water Quality Readings**

Date: 29/02/2022

Date	Location	Water Level (m)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%L)	Ph	Redox Potential (mV)	Temp (°C)
27-1-22	Holywell Stream	N/A	2.97	40.7	6.39	147	10
27-1-22	River Finn	N/A	5.33	70.2	7.6	116	8.7
27-1-22	Dromboe Stream	N/A	6.8	89.8	7.4	108	8.3



## Section 3

### Groundwater Level Monitoring Data

## Groundwater Levels

Contract: TEN-T Project  
 Location: (Section 3)  
 Client: Donegal CoCo  
 Engineer: Barrys Transport

Test carried out by:  
 Operators:  
 Date installed:  
 Date:

Irish Drilling Ltd.  
 DF,PC



Standpipes	06/09/2020 m +/- (gl)	26/10/2020 m +/- (gl)	30/03/2021 m +/- (gl)	24/05/2021 m +/- (gl)	21/07/2021 m +/- (gl)	19/08/2021 m +/- (gl)	28/01/2022 m +/- (gl)	O. D. Ground Level
MCL BHRC3001	-2.80m (12.686m O.D.)	-3.22m (12.266m O.D.)	-3.30m (12.186m O.D.)	-3.57m (11.916m O.D.)	-4.63m (10.856m O.D.)	-4.23m (11.256m O.D.)	-3.01m (12.476m O.D.)	15.486m
MCL BHRC3512						-3.95m (27.412m O.D.)	-3.30m (28.062m O.D.)	31.362m
MCL BHRC3513						-2.13m (20.198m O.D.)	-1.72m (20.608m O.D.)	22.328m
MCL BHSP3104	-3.40m (28.314m O.D.)	-0.86m (30.854m O.D.)	-1.60m (30.114m O.D.)	-2.04m (29.674m O.D.)	-3.99m (27.724m O.D.)	-3.83m (27.884m O.D.)	-1.96m (29.754m O.D.)	31.714m
MCL BHSP3101		-2.63m (26.246 O.D)	-3.86m (25.016m O.D.)	-3.35m (25.526 O.D)	-3.35m (25.526 O.D)	-4.64m (24.236 O.D)	Pipe removed	28.876m
MCL BHSP3102		-0.43m (23.854 O.D)	-0.88m (23.404 O.D)	-1.51m (22.774 O.D)	-2.58m (21.704 O.D)	-2.58m (21.704 O.D)	-1.75m (22.534 O.D)	24.284m
MCL BHSP3105	-3.00m (30.465 O.D)	-2.74m (30.725 O.D)	-1.70m (31.765 O.D)	-3.05m (30.415 O.D)	-3.08m (30.385O.D)	-3.11m (30.355O.D)	-2.88m (30.385O.D)	33.465m
MCL BHSP3106	-1.00m (22.996 O.D)	-0.52m (23.476 O.D)	-0.53m (23.466 O.D)	-0.84m (23.156 O.D)	-1.12m (22.876 O.D)	-1.12m (22.876 O.D)	-1.00m (22.996 O.D)	23.996m
MCL BHSP3107	-3.20m (73.05 O.D)	-2.34m (73.91 O.D)	-2.10m (74.15 O.D)	-3.04m (73.21 O.D)	-4.30m (71.95 O.D)	-4.45m (71.80 O.D)	-3.22m (73.03 O.D)	76.25m
MCL BHSP3108	-3.50m (88.016 O.D)	-1.36m (90.156 O.D)	-2.17m (89.346 O.D)	-3.07m (88.446 O.D)	-3.97m (87.546 O.D)	-3.75m (87.766 O.D)	overgrown vegetation	91.516m
MCL BHSP3109	-2.83m (102.274 O.D)	-1.20m (103.904 O.D)	-1.23m (103.874 O.D)	-1.40m (103.704 O.D)	-2.21m (102.894 O.D)	-1.98m (103.124 O.D)	-1.17m (103.934 O.D)	105.104m
MCL BHSP3112	-0.40m (89.026 O.D)	-1.54m (87.886 O.D)	-1.23m (88.196 O.D)	-1.63m (87.796 O.D)	-2.18m (87.246 O.D)	-1.93m (87.496 O.D)	-1.52m (86.906 O.D)	89.426m
MCL BHSP3113	Pipe removed	Pipe removed	Pipe removed	Pipe removed	Pipe removed	Pipe removed	Pipe removed	96.486m
MCL BHSP3114	-0.76m ( 86.729 O.D.)	-0.67m ( 86.819 O.D.)	-0.65m ( 86.839 O.D.)	-1.13m ( 86.359 O.D.)	-2.10m ( 85.389 O.D.)	-1.08m ( 86.409 O.D.)	-1.08m ( 86.409 O.D.)	87.489m
MCL BHSP3115	-2.70m ( 70.229 O.D.)	-2.40m ( 70.529 O.D.)	-2.57m ( 70.359 O.D.)	-2.75m ( 70.179 O.D.)	-3.43m ( 69.499 O.D.)	-2.87m ( 70.059 O.D.)	-2.70m ( 70.229 O.D.)	72.929m
MCL BHSP3116	-4.35m ( 70.985 O.D.)	-4.00m ( 71.335 O.D.)	-4.25m ( 71.085 O.D.)	-4.39m ( 70.945 O.D.)	-4.70m ( 70.635 O.D.)	-4.78m ( 70.555 O.D.)	-4.28m ( 70.055 O.D.)	75.335m
MCL BHSP3118			-0.70m ( 26.125 O.D.)	-0.84m ( 25.985 O.D.)	-1.43m ( 25.395 O.D.)	-1.00m ( 25.825 O.D.)	-0.74m ( 26.085 O.D.)	26.825m
MCL BHSP3119	-2.50m ( 30.388 O.D.)	-0.30m ( 30.578 O.D.)	-0.31m ( 30.568 O.D.)	-0.49m ( 30.388 O.D.)	-0.60m ( 30.278 O.D.)	-0.56m ( 30.318 O.D.)	-0.45m ( 30.428 O.D.)	30.878m
MCL BHSP3122	Bull in field	-2.30m ( 36.714 O.D.)	-3.45m ( 35.564 O.D.)	-3.75m ( 35.264 O.D.)	-4.14m ( 34.874 O.D.)	-4.20m ( 34.814 O.D.)	-3.45m ( 35.564 O.D.)	39.014m
MCL BHSP3123	-2.75m ( 38.358 O.D.)	-2.58m ( 38.528 O.D.)	Dry	Dry	Dry	Dry	Dry	41.108m
MCL BHSP3124	-0.45m ( 55.842 O.D.)	-0.28m ( 57.012 O.D.)	-1.17m ( 56.122 O.D.)	-1.64m ( 55.652 O.D.)	Dry	-2.75m ( 54.542 O.D.)	Dry	57.292m
MCL BHSP3125	-0.95m ( 63.754 O.D.)	-0.65m ( 64.054 O.D.)	-1.71m ( 62.994 O.D.)	-1.81m ( 62.894 O.D.)	-2.73m ( 61.974O.D.)	-2.61m ( 62.094O.D.)	-1.95m ( 62.754O.D.)	64.704m
MCL BHSP3126	-0.70m ( 54.576 O.D.)	-0.50m ( 54.776 O.D.)	-0.65m ( 54.626 O.D.)	-0.81m ( 54.466 O.D.)	-1.34m ( 53.936 O.D.)	-1.14m ( 54.136 O.D.)	-0.92m ( 54.356 O.D.)	55.276m
MCL BHSP3127	-0.35m ( 54.39 O.D.)	-0.12m ( 54.63 O.D.)	-0.40m ( 54.35 O.D.)	-0.68m ( 54.07 O.D.)	-0.99m ( 54.76 O.D.)	-0.75m ( 54.00 O.D.)	-0.57m ( 54.18 O.D.)	54.75m
MCL CPRC3516						-3.16m (2.326m O.D.)	overgrown vegetation	5.486m