Purpose

This Google Sheet is used to convey results of daily in-situ water quality monitoring during preparatory works with the Colbart for the Gulhifalhu Project.

Frequency

The sheet will be updated daily, before 10AM the following day.

One week of data will be kept online, to keep the sheet concise.

Once weekly, a compilation of 7 days of monitoring will be shared via e-mail with MNPI for records.

Measurements

Measurements are taken using a Eureka Manta Multiparameter probe.

The EIA requires measurements at the surface, at approximately 1 meter depth.

For completeness, two additional depths are measured; 'bottom' and 'mid-water'.

The ‘bottom’ measurement is taken at either:

- The maximum depth the probe will go to on a 30m cable (dependent on currents), or

- 90% of the water column if water depth is < 30m

The ‘mid-water’ measurement is taken at approximately 0.5 * the ‘bottom’ depth

Eureka Manta Turbidity sensor has an accuracy of 2% of reading or 0.2 (https://www.waterprobes.com/water-quality-sensor-specifications).

Therefore, negative readings of up until -0.2 NTU indicate no turbidity.

Locations

The locations measured are as defined in the EIA, in Table 11.2B

11-06-2020 10:00 - 11:30		Depth	Temperature	pH	Conductivity	Turbidity
		m	°C	-	uS/cm	NTU
W2	Surface	1	29.6	8.16	52458	-0.02
	Mid-water	10.7	29.5	8.24	52470	-0.11
	Bottom	23.9	29.4	8.28	52419	-0.08
W5 morning	Surface	1.2	29.7	8.7	52435	10.55
	Mid-water	7.5	29.4	8.81	52526	0.6
	Bottom	16.6	29.4	8.8	52500	2.09
W5 afternoon (16:55)	Surface	1.1	29.6	7.93	52648	0.27
	Mid-water	8.1	29.6	8.09	52604	0.23
	Bottom	17.5	29.5	8.22	52607	0.36
W7	Surface	1.2	29.7	8.54	52512	-0.12
	Mid-water	9.5	29.6	8.49	52456	-0.13
	Bottom	23.4	29.6	8.44	52437	-0.14
W10	Surface	1.3	29.6	8.48	52510	-0.12
	Mid-water	10.7	29.6	8.42	52470	-0.12
	Bottom	23.1	29.5	8.42	52443	-0.09
W11	Surface	1.1	29.6	8.39	52471	-0.13
	Mid-water	9.8	29.5	8.34	52472	-0.11
	Bottom	24.3	29.5	8.31	52435	-0.11
W14	Surface	1.1	29.6	8.45	52529	0
	Mid-water	6.9	29.5	8.56	52508	0.08
	Bottom	16.9	29.5	8.77	52492	0.1
W15	Surface	1.3	29.7	8.78	52555	-0.13
	Mid-water	10.3	29.6	8.85	52558	-0.12
	Bottom	23.6	29.5	8.87	52507	0.02
W16	Surface	1.3	29.7	8.35	52505	0
	Mid-water	9.6	29.5	8.26	52436	-0.1
	Bottom	22.7	29.4	8.26	52388	-0.05