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

27-06-2020 09:00 - 16:37		Depth	Temperature	pH	Conductivity	Turbidity
		m	°C	-	uS/cm	NTU
W2	Surface	1.1	29.7	9.21	52933	-0.03
	Mid-water	9.2	29.5	9.21	52866	0.16
	Bottom	22.7	29.4	9.21	52843	0.2
W5	Surface	1	29.4	8.82	52867	-0.03
	Mid-water	8.9	29.4	8.77	52848	-0.02
	Bottom	16.8	29.4	8.76	52804	0.05
W7	Surface	1.1	29.4	9.15	52873	-0.11
	Mid-water	9.7	29.4	9.1	52860	-0.09
	Bottom	23.5	29.4	9.03	52820	-0.05
W10	Surface	1.1	29.5	9.17	52877	-0.11
	Mid-water	11	29.4	9.17	52829	-0.07
	Bottom	23.4	29.4	9.2	52805	-0.08
W11	Surface	0.8	29.4	9.23	52869	-0.11
	Mid-water	9.3	29.4	9.18	52826	-0.1
	Bottom	23.7	29.4	9.14	52832	-0.12
W14	Surface	1.2	29.6	9.28	52953	0.24
	Mid-water	7.5	29.4	9.25	52926	0.67
	Bottom	15.2	29.3	9.24	52883	1.84
W15	Surface	0.8	29.4	8.93	52762	-0.03
	Mid-water	10.4	29.4	8.87	52779	-0.05
	Bottom	22.9	29.4	8.89	52761	-0.01
W16	Surface	0.8	29.4	9.24	52897	-0.03
	Mid-water	10.8	29.4	9.23	52864	-0.04
	Bottom	22.8	29.4	9.23	52839	-0.03
W19	Surface	1	29.6	9.26	52849	-0.09
	Mid-water	9.9	29.4	9.26	52826	-0.07
	Bottom	21.3	29.4	9.25	52817	-0.08
W20	Surface	0.9	29.7	9.25	52917	-0.08
	Mid-water	7.2	29.6	9.27	52898	-0.02
	Bottom	17.2	29.6	9.28	52858	-0.01
W25	Surface	1.4	29.6	9.21	52844	-0.07
	Mid-water	10.2	29.4	9.18	52773	-0.01
	Bottom	22.8	29.4	9.15	52789	-0.08
W26	Surface	0.9	29.5	9.24	53016	-0.09

	Mid-water	10.1	29.3	9.21	52921	-0.07
	Bottom	23.9	29.3	9.22	52887	-0.09
W27	Surface	1.1	29.5	9.26	53022	-0.11
	Mid-water	9	29.3	9.24	52970	-0.11
	Bottom	21.9	29.2	9.25	52940	-0.1
W36	Surface	1.2	29.5	9.22	53048	0.06
	Mid-water	11.4	29.4	9.2	52983	0.47
	Bottom	23.7	29.3	9.2	52972	0.71
W45	Surface	1.1	29.6	9.25	53056	0.21
	Mid-water	9	29.5	9.21	53005	0.1
	Bottom	23.9	29.3	9.2	52966	0.01
W46	Surface	1.2	29.6	9.27	53009	0.16
	Mid-water	11.4	29.6	9.26	52976	0.15
	Bottom	22.5	29.5	9.27	52968	0.09
W51	Surface	0.8	29.6	9.19	52872	-0.06
	Mid-water	10	29.3	9.23	52838	-0.05
	Bottom	23.2	29.3	9.22	52802	-0.08