



WATER QUALITY REPORT

Dredging, Land Reclamation and Revetment Works at Gulhifalhu



Report Date: 23-01-2021

Week: 03-2021

Number: 035

Period: 16-01-2021

to 22-01-2021

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu Document number : 462.10062-WQR-35
 Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
 Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

NTU - TSS Relationship	Correlation coefficient (NTU:TSS)	Monitoring equipment	TSS limit (mg/L)	Converted limit NTU	Limit applicability
	1.92	Eureka Manta	10	5.2	Maintain a threshold level for turbidity at all reefs within the atoll lagoon in proximity to the dredging site, measured as Total Suspended Solids (TSS) to a maximum of 10 mg/L not exceeding 20% of the measurements. Exceptions shall be made where background rates exceeded the threshold level and in reefs where extensive reclamation work has been undertaken (including e.g. Thilafushi, Gulhifalhu, Villigili, Malé, Hulhumalé). Considerations also shall be made to account for naturally elevated levels of turbidity which may occur during storm events or bad weather.

Activities	Activities and other observations
	Daily in situ seawater quality measurements and sampling performed. No unexpected values or exceedances. Resampling Nitrate, Nitrite and Phosphate for analysis. Revetment installation works ongoing.

Mitigation	Corrective actions taken if necessary

Measurements	Measurements
	Measurements are taken using a Eureka Manta Multiparameter probe. The EIA requires measurements and water sample 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.

Calibration	Calibration
	Eureka Manta Multiparameter probe S/N: MT12183556 Calibration Date: 09/01/2021 Status: Used for measurements S/N: MT12183554 Calibration Date: N/A Status: Spare

Locations	Location ID	Description	
	W2		
	W5		
	W7		
	W10		
	W11		
	W14		
	W15		
	W16		
	W19		
	W20		
	W25		
	W26		
	W27		
	W36		
	W45		
	W46		
	W47		
	W51		



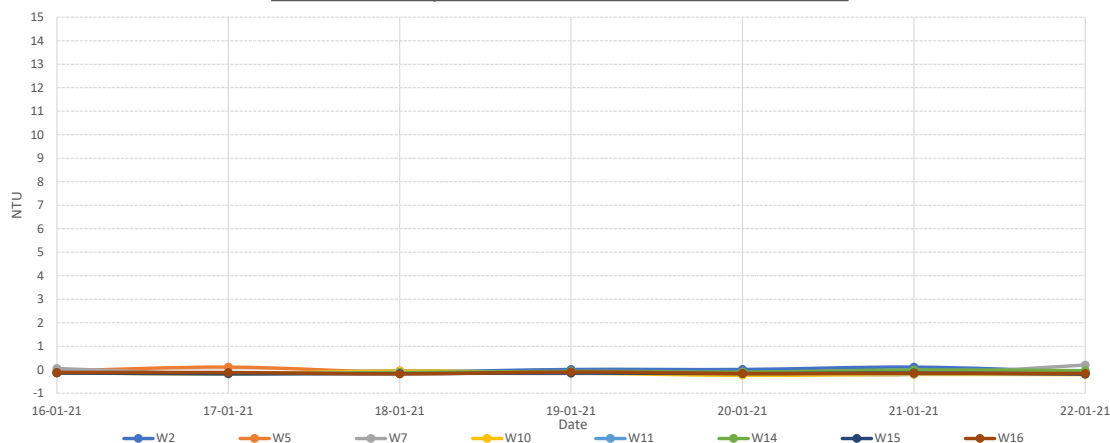
Signed by Contractor

Signed by Client

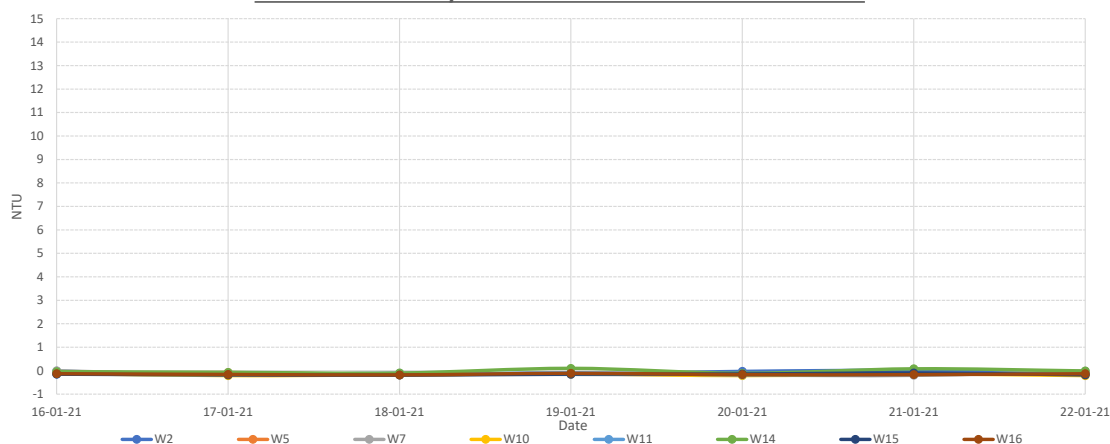
Report Date: 23-01-2021 Week: 03-2021 Period: 16-01-2021 to 22-01-2021

Project	: Dredging, Land Reclamation and Revetment Works at Gulhifalhu	Document number	: 462.10062-WQR-35.2
Contract number	: AGR(471)-PIDS2/PRIV/2019/194	Contractor	: Boskalis Westminster Contracting Ltd
Project number [MIAS]	: 462.10042	Client	: Ministry of National Planning and Infrastructure
		Attention	: shaana.farooq@planning.gov.mv

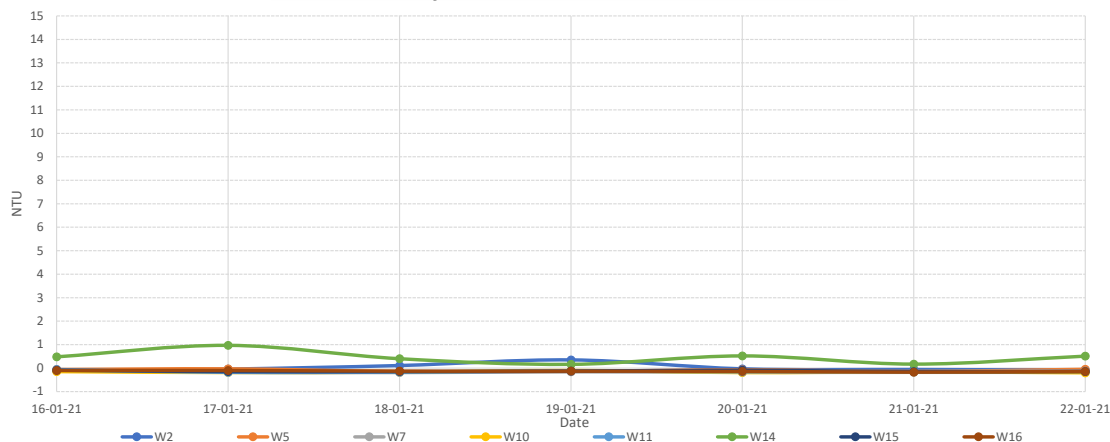
Surface Turbidity Measurements at the Reclamation Area



Mid Water Turbidity Measurements at the Reclamation Area



Bottom Turbidity Measurements at the Reclamation Area





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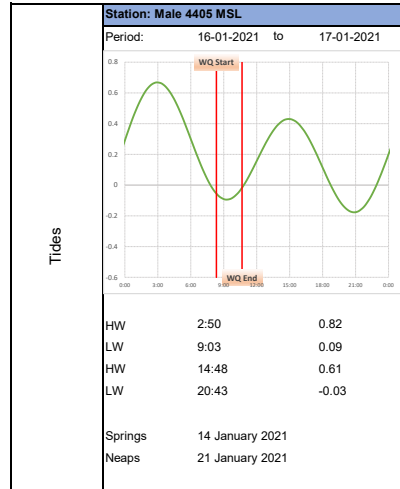
Date: 16-01-2021

Time: 8:20 to 10:40

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.4
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention shaana.farooq@planning.gov.mv

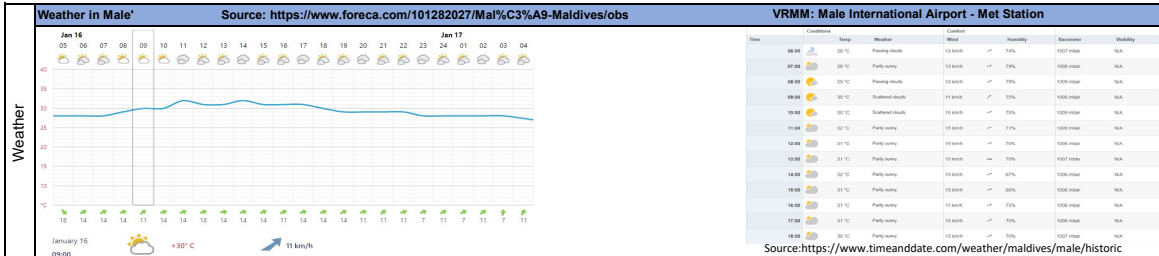
Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.4	8.2	52284	-0.14
	Mid-water	11	28.4	8.2	52240	-0.02
	Bottom	23	28.2	8.1	52499	-0.12
W5	Surface	1	28.3	5.6	52188	-0.05
	Mid-water	11	28.3	5.7	52272	-0.11
	Bottom	23	28.2	5.8	52648	-0.06
W7	Surface	1	28.3	6.1	52339	0.05
	Mid-water	11	28.3	6.1	52403	0.00
	Bottom	22	28.2	6.1	52592	-0.10
W10	Surface	1	28.3	6.3	52279	-0.14
	Mid-water	11	28.3	6.1	52318	-0.12
	Bottom	23	28.2	6.0	52440	-0.15
W11	Surface	1	28.4	6.8	52250	-0.11
	Mid-water	12	28.3	6.8	52220	-0.14
	Bottom	23	28.2	6.7	52483	-0.06
W14	Surface	1	28.5	8.1	52169	-0.14
	Mid-water	8	28.4	8.0	52181	-0.04
	Bottom	17	28.3	8.0	52331	0.48
W15	Surface	1	28.3	5.9	52272	-0.14
	Mid-water	11	28.2	6.0	52477	-0.15
	Bottom	18	28.2	6.2	52527	-0.09
W16	Surface	1	28.4	8.4	52201	-0.12
	Mid-water	11	28.4	8.2	52183	-0.13
	Bottom	21	28.3	8.0	52228	-0.10
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Stoppages	Vessel	Stop	Start



Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured

Water samples taken from all reclamation sites for TSS testing





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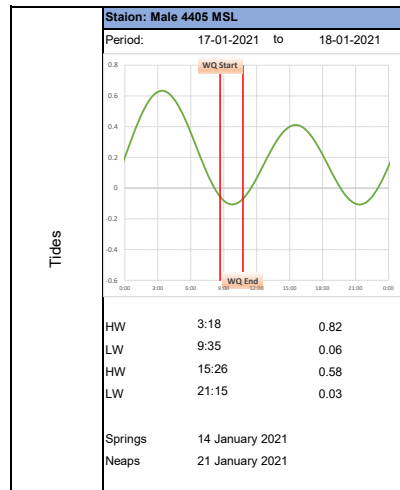
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Time: 8:40 to 10:45

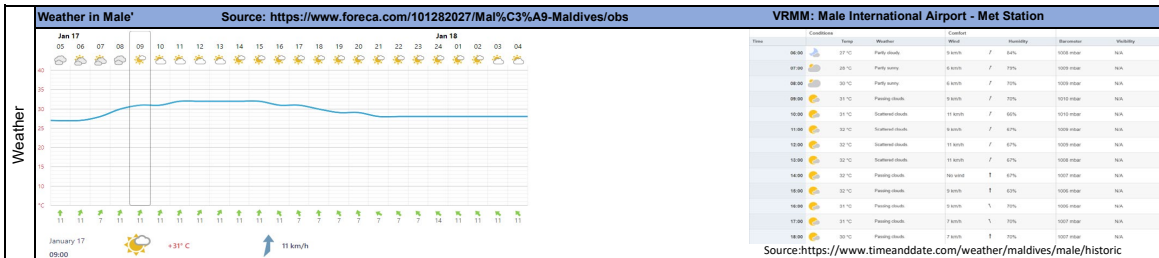
Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.5
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.5	6.9	52049	-0.16
	Mid-water	12	28.4	6.8	52123	-0.17
	Bottom	23	28.2	6.7	52697	-0.04
W5	Surface	1	28.4	5.5	52045	0.11
	Mid-water	12	28.4	5.5	52091	-0.08
	Bottom	21	28.2	5.5	52523	-0.03
W7	Surface	1	28.5	5.7	52092	-0.18
	Mid-water	12	28.4	5.6	52052	-0.19
	Bottom	23	28.4	5.6	52015	-0.17
W10	Surface	1	28.5	6.3	51992	-0.17
	Mid-water	12	28.4	6.6	52105	-0.21
	Bottom	24	28.3	7.3	52193	-0.19
W11	Surface	1	28.4	6.3	52029	-0.17
	Mid-water	11	28.4	6.3	52113	-0.17
	Bottom	23	28.3	6.2	52369	-0.18
W14	Surface	1	28.6	7.1	51919	-0.17
	Mid-water	8	28.5	7.0	51850	-0.07
	Bottom	17	28.4	6.9	51932	0.97
W15	Surface	1	28.4	5.8	52019	-0.17
	Mid-water	12	28.4	6.1	51994	-0.18
	Bottom	24	28.4	6.2	51990	-0.15
W16	Surface	1	28.6	6.6	51945	-0.12
	Mid-water	11	28.3	6.3	52153	-0.16
	Bottom	23	28.2	6.3	52297	-0.10
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Vessel	Stop	Start



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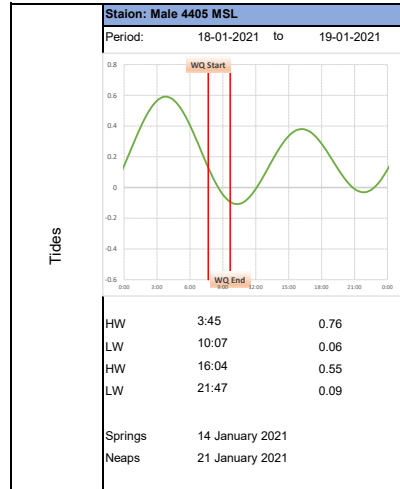
Date: 18-01-2021

Time: 7:40 to 9:40

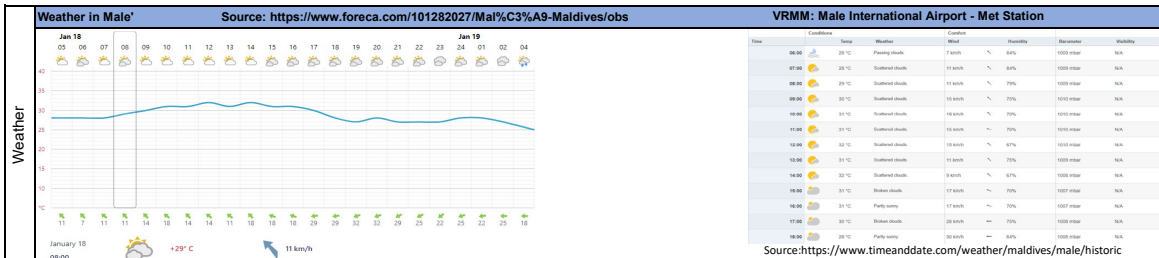
Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.6
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.5	7.1	52440	-0.11
	Mid-water	12	28.5	7.0	52614	-0.11
	Bottom	24	28.3	6.9	53031	0.11
W5	Surface	1	28.4	5.1	52570	-0.12
	Mid-water	12	28.4	5.0	52713	-0.17
	Bottom	23	28.4	5.1	52726	-0.14
W7	Surface	1	28.5	5.6	52549	-0.04
	Mid-water	11	28.5	5.9	52554	-0.16
	Bottom	19	28.3	5.9	53327	-0.19
W10	Surface	1	28.5	5.7	52359	-0.06
	Mid-water	12	28.5	5.9	52616	-0.18
	Bottom	24	28.2	5.7	53427	-0.17
W11	Surface	1	28.5	6.3	52559	-0.12
	Mid-water	12	28.4	6.1	52624	-0.17
	Bottom	23	28.4	6.0	52765	-0.17
W14	Surface	1	28.6	7.3	52372	-0.13
	Mid-water	8	28.6	7.2	52439	-0.10
	Bottom	17	28.5	7.2	52501	0.40
W15	Surface	1	28.5	5.5	52517	-0.17
	Mid-water	11	28.4	5.6	52588	-0.19
	Bottom	24	28.4	6.0	52652	-0.15
W16	Surface	2	28.5	6.8	52485	-0.18
	Mid-water	11	28.5	6.7	52445	-0.18
	Bottom	22	28.3	6.6	52776	-0.13
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Stoppages	Vessel	Stop	Start



Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured





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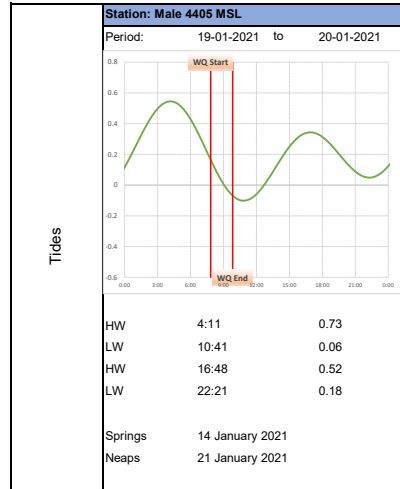
Date: 19-01-2021

Time: 7:50 to 9:50

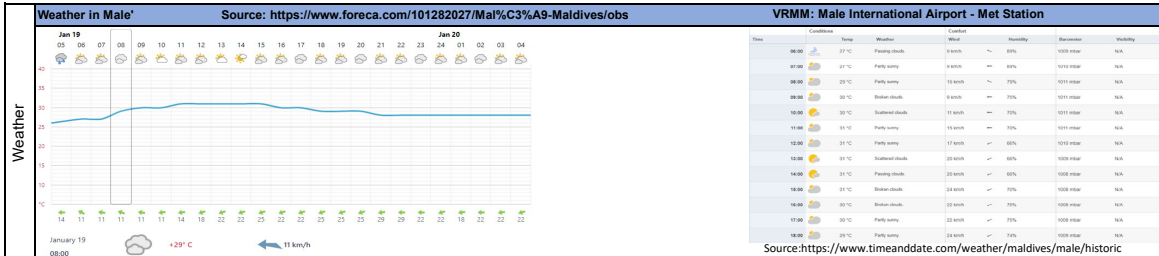
Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.7
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.6	6.7	52382	0.01
	Mid-water	12	28.5	6.7	52466	-0.15
	Bottom	22	28.4	6.6	52784	0.35
W5	Surface	2	28.5	5.1	52373	-0.16
	Mid-water	12	28.5	5.2	52530	-0.13
	Bottom	24	28.4	5.2	52636	-0.14
W7A	Surface	1	28.6	5.6	52215	-0.14
	Mid-water	12	28.6	5.9	52155	-0.16
	Bottom	24	28.5	6.2	52159	-0.16
W10	Surface	1	28.5	6.0	52227	-0.14
	Mid-water	12	28.5	6.0	52284	-0.14
	Bottom	22	28.5	5.9	52322	-0.10
W11	Surface	1	28.6	6.3	52408	-0.14
	Mid-water	12	28.5	6.3	52475	-0.09
	Bottom	24	28.5	6.3	52627	-0.12
W14	Surface	1	28.8	6.9	52353	-0.07
	Mid-water	8	28.6	6.8	52392	0.10
	Bottom	17	28.5	6.7	52380	0.16
W15	Surface	1	28.5	5.4	52409	-0.14
	Mid-water	11	28.4	5.7	52723	-0.15
	Bottom	24	28.4	6.0	52876	-0.13
W16	Surface	1	28.6	6.6	52428	-0.10
	Mid-water	12	28.5	6.5	52535	-0.11
	Bottom	21	28.5	6.5	52606	-0.13
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Vessel	Stop	Start



Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured





WATER QUALITY REPORT

Dredging, Land Reclamation and Revetment Works at Gulhifalhu



Date: 20-01-2021

Time: 7:40 to 9:50

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.8
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

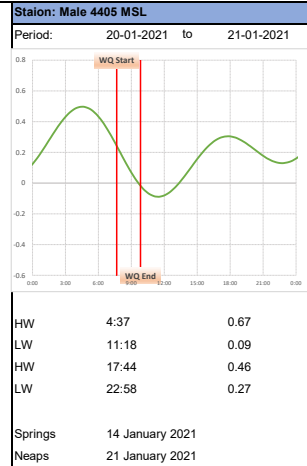
Results

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.6	7.2	51912	0.01
	Mid-water	12	28.5	7.1	52039	-0.03
	Bottom	24	28.5	7.1	52186	-0.03
W5	Surface	1	28.5	5.1	52120	-0.14
	Mid-water	11	28.5	5.1	52278	-0.13
	Bottom	19	28.5	5.1	52493	-0.07
W7	Surface	1	28.6	6.0	51617	-0.13
	Mid-water	11	28.6	5.9	51499	-0.19
	Bottom	22	28.3	5.7	52848	-0.18
W10	Surface	1	28.6	6.4	51430	-0.24
	Mid-water	12	28.6	6.3	51470	-0.21
	Bottom	24	28.6	6.2	51694	-0.19
W11	Surface	1	28.6	7.5	51656	-0.15
	Mid-water	12	28.6	6.5	51817	-0.18
	Bottom	24	28.4	6.5	52305	-0.16
W14	Surface	1	28.7	7.3	51805	-0.10
	Mid-water	8	28.5	7.2	51695	-0.11
	Bottom	17	28.6	7.2	51896	0.52
W15	Surface	1	28.5	5.5	52127	-0.17
	Mid-water	12	28.5	5.7	52189	-0.14
	Bottom	23	28.4	5.9	52587	-0.09
W16	Surface	1	28.5	7.0	51910	-0.16
	Mid-water	11	28.5	6.9	51957	-0.17
	Bottom	23	28.5	6.9	52137	-0.14
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Stoppages

Vessel	Stop	Start

Tides

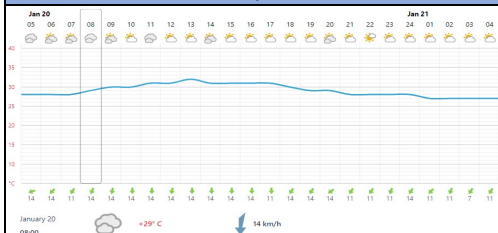


Remarks

Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured

Weather

Weather in Male' Source: <https://www.foreca.com/101282027/Mal%C3%A9-Maldives/obs>



VRMM: Male International Airport - Met Station

Time	Temperature	Humidity	Wind	Pressure	Clouds	Visibility
05:00	28 °C	75%	11 km/h	1010 hPa	100%	N/A
07:00	28 °C	75%	11 km/h	1010 hPa	100%	N/A
09:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
11:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
13:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
15:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
17:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
19:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
21:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
23:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
01:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
03:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
05:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
07:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
09:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
11:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
13:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
15:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
17:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
19:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
21:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A
23:00	29 °C	75%	11 km/h	1010 hPa	100%	N/A

Source: <https://www.timeanddate.com/weather/maldives/male/historic>



WATER QUALITY REPORT

Dredging, Land Reclamation and Revetment Works at Gulhifalhu



Date: 21-01-2021

Time: 7:50 to 9:50

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.9
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

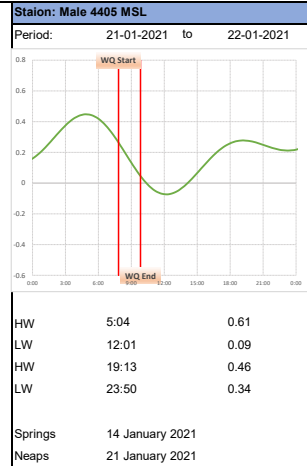
Results

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.7	7.2	52349	0.11
	Mid-water	12	28.6	7.2	52365	0.01
	Bottom	23	28.5	7.0	52746	-0.06
W5	Surface	1	28.6	5.1	52252	-0.18
	Mid-water	11	28.6	5.2	52265	-0.14
	Bottom	21	28.4	5.2	52652	-0.14
W7	Surface	2	28.7	5.7	51933	-0.20
	Mid-water	12	28.7	5.5	51957	-0.20
	Bottom	21	28.7	5.4	52148	-0.18
W10	Surface	1	28.7	6.2	51997	-0.20
	Mid-water	12	28.7	6.1	52108	-0.14
	Bottom	23	28.6	6.0	52264	-0.16
W11	Surface	1	28.7	6.4	52032	-0.17
	Mid-water	11	28.6	6.3	52333	-0.16
	Bottom	23	28.5	6.2	52526	-0.15
W14	Surface	1	28.7	7.4	52364	-0.01
	Mid-water	8	28.7	7.3	52374	0.08
	Bottom	17	28.6	7.3	52355	0.17
W15	Surface	1	28.6	5.4	52320	-0.14
	Mid-water	12	28.6	5.8	52297	-0.10
	Bottom	23	28.6	6.1	52302	-0.15
W16	Surface	1	28.7	6.9	52411	-0.15
	Mid-water	11	28.6	6.8	52401	-0.17
	Bottom	21	28.6	6.7	52471	-0.17
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Stoppages

Vessel	Stop	Start

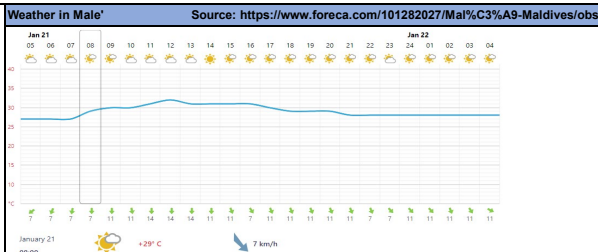
Tides



Remarks

Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured

Weather



VRMM: Male International Airport - Met Station

Time	Cloudcover	Temp	Weather	Wind	Humidity	Barometer	Visibility
05:00	0%	27 °C	Partly cloudy	7 km/h	70%	1005 mbars	N/A
07:00	0%	27 °C	Isolated clouds	7 km/h	70%	1005 mbars	N/A
08:00	0%	28 °C	Partly cloudy	7 km/h	70%	1002 mbars	N/A
09:00	0%	28 °C	Partly cloudy	9 km/h	70%	1002 mbars	N/A
10:00	0%	28 °C	Isolated clouds	9 km/h	70%	1002 mbars	N/A
11:00	0%	28 °C	Partly sunny	12 km/h	70%	1001 mbars	N/A
12:00	0%	28 °C	Isolated clouds	12 km/h	70%	1001 mbars	N/A
13:00	0%	28 °C	Isolated clouds	13 km/h	70%	1000 mbars	N/A
14:00	0%	28 °C	Partly cloudy	9 km/h	70%	1000 mbars	N/A
15:00	0%	28 °C	Partly cloudy	9 km/h	70%	1000 mbars	N/A
16:00	0%	28 °C	Partly cloudy	7 km/h	70%	1000 mbars	N/A
17:00	0%	28 °C	Isolated clouds	9 km/h	70%	1000 mbars	N/A
18:00	0%	28 °C	Partly cloudy	11 km/h	70%	1000 mbars	N/A

Source: <https://www.timeanddate.com/weather/maldives/male/historic>



WATER QUALITY REPORT

Dredging, Land Reclamation and Revetment Works at Gulhifalhu



Date: 22-01-2021

Time: 7:20 to 9:30

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu □ Document number : 462.10062-WQR-35.10
Contract number : AGR(471)-PIDS2/PRIV/2019/194 Contractor : Boskalis Westminster Contracting Ltd
Project number [MIAS] : 462.10042 Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

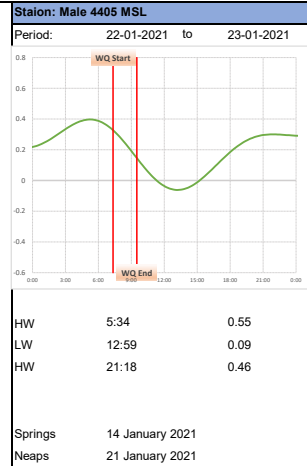
Results

Location	Section	Depth (m)	Temperature (°C)	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	28.7	7.1	51807	-0.09
	Mid-water	11	28.7	7.0	51797	-0.14
	Bottom	24	28.5	6.9	52286	-0.08
W5	Surface	1	28.7	5.0	52040	-0.13
	Mid-water	11	28.7	5.1	52550	-0.14
	Bottom	23	28.6	5.0	52964	-0.05
W7	Surface	1	28.7	5.4	51856	0.20
	Mid-water	12	28.7	5.2	51847	-0.02
	Bottom	24	28.3	5.1	53235	-0.18
W10	Surface	1	28.8	6.0	51613	-0.21
	Mid-water	12	28.8	5.9	51596	-0.21
	Bottom	24	28.6	5.8	52767	-0.20
W11	Surface	1	28.7	6.4	51795	-0.16
	Mid-water	11	28.7	6.2	51718	-0.14
	Bottom	23	28.5	6.0	52688	-0.13
W14	Surface	1	28.9	7.4	51875	-0.04
	Mid-water	8	28.9	7.3	51868	-0.01
	Bottom	17	28.7	7.2	51874	0.51
W15	Surface	1	28.7	5.3	52532	-0.19
	Mid-water	12	28.7	5.6	52477	-0.18
	Bottom	24	28.6	6.0	52719	-0.15
W16	Surface	1	28.8	6.8	51787	-0.16
	Mid-water	11	28.7	6.8	51814	-0.13
	Bottom	23	28.6	6.7	52015	-0.14
W19	Surface					
	Mid-water					
	Bottom					
W20	Surface					
	Mid-water					
	Bottom					
W25	Surface					
	Mid-water					
	Bottom					
W26	Surface					
	Mid-water					
	Bottom					
W27	Surface					
	Mid-water					
	Bottom					
W36	Surface					
	Mid-water					
	Bottom					
W45	Surface					
	Mid-water					
	Bottom					
W46	Surface					
	Mid-water					
	Bottom					
W47	Surface					
	Mid-water					
	Bottom					
W51	Surface					
	Mid-water					
	Bottom					

Stoppages

Vessel	Stop	Start

Tides

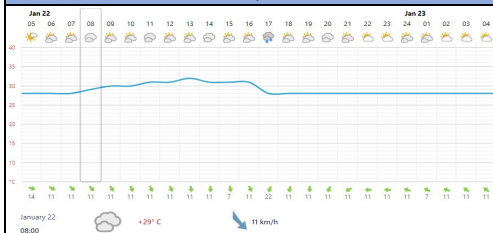


Remarks

Fairway completed the dredging phase of the works on the 20th of August, therefore as of the 25th only the Reclamation area locations are measured

Weather

Weather in Male' Source: <https://www.foreca.com/101282027/Mal%C3%A9-Maldives/obs>



VRMM: Male International Airport - Met Station

Time	Temp	Wind	Humidity	Pressure	Sea level	Clouds
06:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
07:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
08:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
09:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
10:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
11:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
12:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
13:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
14:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
15:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
16:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
17:00	28 °C	Partly cloudy	75%	1010 mb	0 m	
18:00	28 °C	Partly cloudy	75%	1010 mb	0 m	

Source: <https://www.timeanddate.com/weather/maldives/male/historic>

Male' Water & Sewerage Company Pvt Ltd**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives
Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv

**LB-TEST-090****WATER QUALITY TEST REPORT**

Report No: 500185948

Customer Information:

CDE Pvt Ltd
H.Orchidmaage, 4th Floor
Ameeru Ahmed Magu
Male K

Report date: **24/01/2021**Test Requisition Form No: **900191052**Sample(s) Recieved Date: **19/01/2021**Date of Analysis: **19/01/2021 - 19/01/2021**

Sample Description ~	GF_REC-W15	GF_REC-W05	GF_REC-W07	TEST METHOD	UNIT
Sample Type ~	Sea Water	Sea Water	Sea Water		
Sample No	83216067	83216068	83216069		
Sampled Date ~	16/01/2021 08:34	16/01/2021 08:45	16/01/2021 09:10		
PARAMETER	ANALYSIS RESULT				
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
Total Suspended Solids	<5 (LoQ 5 mg/L)	<5 (LoQ 5 mg/L)	<5 (LoQ 5 mg/L)	HACH Method 8006	mg/L

Keys: mg/L : Milligram Per Liter**Checked by**

Aminath Sofa
Laboratory Executive

Approved by

Mohamed Eyman
Manager, Quality

Notes: Sampling Authority: Sampling was not done by MWSC Laboratory

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This test report is ONLY FOR THE SAMPLES TESTED.

~ Information provided by the customer

Male' Water & Sewerage Company Pvt Ltd**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives
Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv

**LB-TEST-090****WATER QUALITY TEST REPORT**

Report No: 500185948

Customer Information:

CDE Pvt Ltd
H.Orchidmaage, 4th Floor
Ameeru Ahmed Magu
Male K

Report date: **24/01/2021**Test Requisition Form No: **900191052**Sample(s) Recieved Date: **19/01/2021**Date of Analysis: **19/01/2021 - 19/01/2021**

Sample Description ~	GF_REC-W10	GF_REC-W11	GF_REC-W16	TEST METHOD	UNIT
Sample Type ~	Sea Water	Sea Water	Sea Water		
Sample No	83216070	83216071	83216072		
Sampled Date ~	16/01/2021 09:35	16/01/2021 09:45	16/01/2021 10:05		
PARAMETER	ANALYSIS RESULT				
Physical Appearance	Clear with particles	Clear with particles	Clear with particles	HACH Method 8006	mg/L
Total Suspended Solids	<5 (LoQ 5 mg/L)	<5 (LoQ 5 mg/L)	<5 (LoQ 5 mg/L)		

Keys: mg/L : Milligram Per Liter

Checked by

Aminath Sofa
Laboratory Executive

Approved by

Mohamed Eyman
Manager, Quality

Notes: Sampling Authority: Sampling was not done by MWSC Laboratory

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Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives
Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv

**LB-TEST-090****WATER QUALITY TEST REPORT****Report No: 500185948****Customer Information:**

CDE Pvt Ltd
H.Orchidmaage, 4th Floor
Ameeru Ahmed Magu
Male K

Report date: **24/01/2021**Test Requisition Form No: **900191052**Sample(s) Received Date: **19/01/2021**Date of Analysis: **19/01/2021 - 19/01/2021**

Sample Description ~	GF_REC-W02	GF_REC-W14	TEST METHOD	UNIT
Sample Type ~	Sea Water	Sea Water		
Sample No	83216073	83216074		
Sampled Date ~	16/01/2021 10:19	16/01/2021 10:29		
PARAMETER	ANALYSIS RESULT			
Physical Appearance	Clear with particles	Clear with particles	HACH Method 8006	mg/L
Total Suspended Solids	<5 (LoQ 5 mg/L)	<5 (LoQ 5 mg/L)		

Keys: mg/L : Milligram Per Liter**Checked by**

Aminath Sofa
Laboratory Executive

Approved by

Mohamed Eyman
Manager, Quality

Notes: Sampling Authority: Sampling was not done by MWSC Laboratory

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~ Information provided by the customer

***** END OF REPORT *****