

Report Date: 06/06/2020

Week: 23-2020

Number: 002

Period: 30/05/2020 to 5/06/2020

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
Contract number : AGR(471)-PIDS2/PRIV/2019/194
Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2
Contractor : Boskalis Westminster Contracting Ltd
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
	Insitu water quality measurements and sampling performed. No unexpected values or exceedances. Plume monitoring. CDE placed sediment traps at T2, T4, T21, T23 and T24. Reefscapers continues with Coral Relocation inside Gulhifalhu lagoon. Shared Google Sheet link with daily update of insitu waterquality measurements. Silt screen assembly. Calibration of water quality sensor.

Mitigation	Corrective actions taken if necessary
	Based on a visual observation of the turbidity pattern during works this week, the following vessels were stopped BHD Colbart 1035 min Bund construction itself is a mitigating measure, to contain reclamation sediment.

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			
	Eureka Manta Multiparameter probe		
	S/N: MT12183556	Calibration Date: 02/06/2020	Status: Used for measurements
	S/N: MT12183554	Calibration Date: N/A	Status: Spare

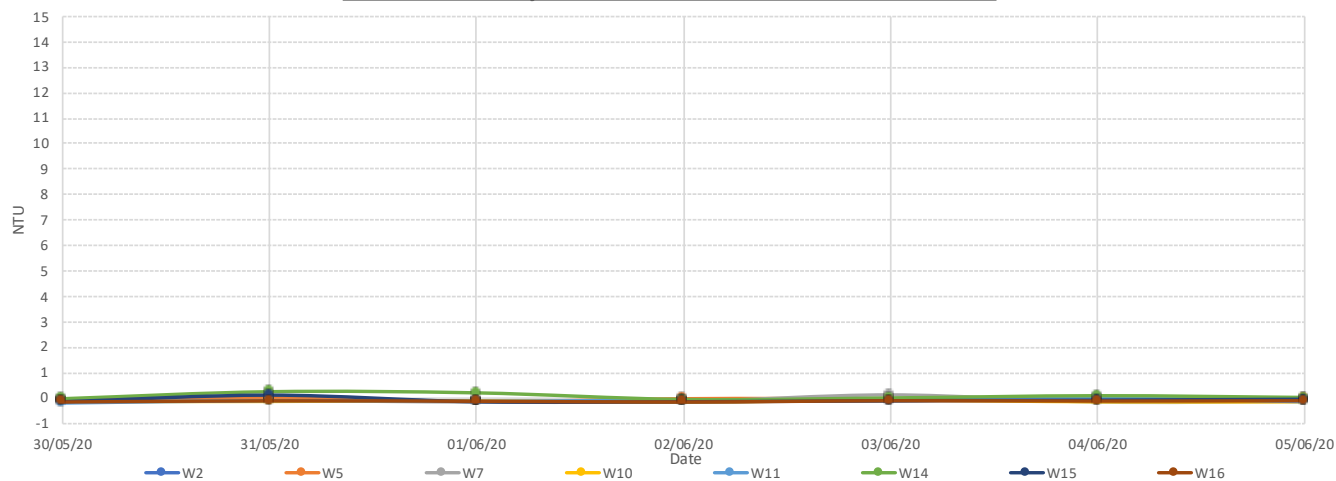
Locations

Location ID	Description
W2	Reclamation
W5	
W7	
W10	
W11	
W14	
W15	Villigili
W16	Reclamation
W19	Background
W20	Borrow area
W25	
W26	
W27	Background
W36	Borrow area
W45	
W46	
W47	
W51	

An aerial photograph of a coastal area with several islands and a large peninsula on the right. The water is dark blue, and the land is light brown/tan. Numerous small white circles with black outlines are placed across the map, each labeled with a 'W' followed by a number. The labels include W2, W5, W7, W10, W11, W14, W15, W16, W19, W20, W25, W26, W27, W36, W45, W46, W47, W51, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100. The locations are distributed across the various landmasses, with some clusters and others isolated.

Signed by Contractor

Signed by Client



Date: 30/05/2020

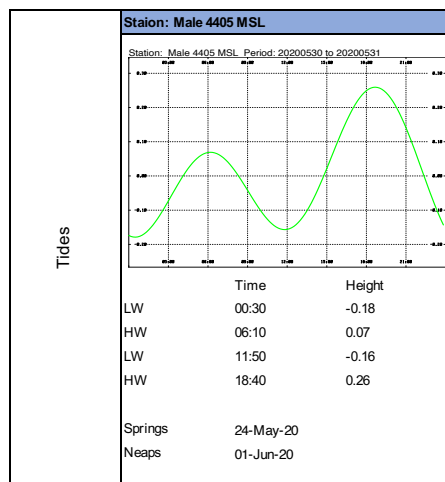
Time:

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.3
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.2	7.8	52287	-0.06
	Mid-water	9	29.2	7.8	52254	-0.05
	Bottom	19	29.2	7.8	52208	-0.06
W5	Surface	1	29.3	7.6	52524	-0.13
	Mid-water	10	29.3	7.4	52492	-0.11
	Bottom	23	29.3	7.4	52434	-0.09
W7	Surface	2	29.2	7.6	52390	-0.14
	Mid-water	9	29.2	7.7	52387	-0.10
	Bottom	20	29.2	7.7	52362	-0.12
W10	Surface	1	29.3	7.7	52383	-0.17
	Mid-water	9	29.3	7.6	52381	-0.16
	Bottom	22	29.3	7.6	52335	-0.13
W11	Surface	1	29.4	7.7	52326	-0.20
	Mid-water	9	29.4	7.7	52333	-0.20
	Bottom	19	29.3	7.7	52355	-0.19
W14	Surface	1	29.1	7.9	52236	-0.06
	Mid-water	7	29.0	7.9	52218	-0.04
	Bottom	16	29.0	7.9	52226	-0.02
W15	Surface	1	29.4	7.5	52519	-0.14
	Mid-water	10	29.4	7.6	52525	-0.12
	Bottom	22	29.4	7.5	52486	-0.14
W16	Surface	1	29.2	7.7	52310	-0.16
	Mid-water	9	29.2	7.7	52306	-0.17
	Bottom	18	29.2	7.8	52287	-0.15

Stoppages	Vessel	Stop	Start
	BHD Colbart	14:45	16:40



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
UTC		10m			50m		Wind Wave		Swell			Wave			10m	Lowest	Air	
		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsigt (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Saturday, 30 May 2020 - Maldives Project 04°11'N 073°28'E																		
03	RA	SW	13	18	-	14	19	0.6	3	SW	1.0	8	1.2	1.9	-	3-5	2000	28
06	TS	SW	12	25	26	13	26	0.5	3	SSW	0.9	8	1.0	1.7	-	3-5	2000	28
09	RA	WSW	14	19	-	15	20	0.6	3	SSW	0.9	8	1.1	1.8	-	3-5	2000	28
12	RA	WSW	14	19	-	15	20	0.7	4	SSE	0.9	8	1.1	1.9	-	3-5	3500	28
15	DZ	W	14	18	-	15	20	0.7	4	SSE	0.8	8	1.1	1.8	-	3-5	3500	28
18	DZ	WSW	13	18	-	15	20	0.6	4	S	0.9	8	1.1	1.8	-	3-5	3500	28
21	SHRA	WSW	14	18	-	15	20	0.6	3	SSW	0.9	8	1.1	1.8	-	3-5	3500	28

Date: 31/05/2020

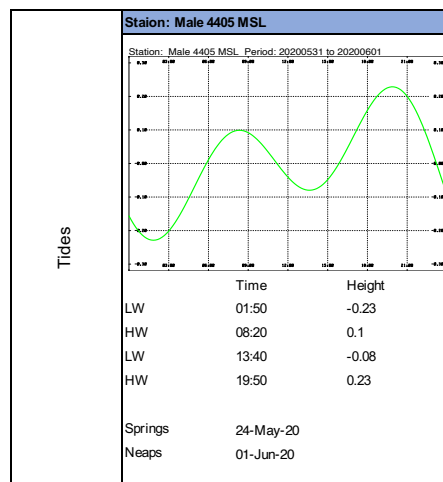
Time: 15:00-17:00

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.4
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	2	29.3	7.5	52453	-0.09
	Mid-water	11	29.3	7.5	52439	-0.08
	Bottom	22	29.2	7.5	52441	0.06
W5	Surface	2	29.7	7.4	52378	-0.03
	Mid-water	9	29.4	7.4	52367	-0.07
	Bottom	19	29.3	7.4	52363	0.03
W7	Surface	1	29.7	7.2	52285	-0.11
	Mid-water	10	29.7	7.3	52282	-0.11
	Bottom	22	29.7	7.3	52269	-0.09
W10	Surface	1	29.7	7.2	52330	-0.11
	Mid-water	9	29.7	7.1	52276	-0.10
	Bottom	21	29.7	7.2	52284	-0.13
W11	Surface	2	29.7	6.9	52334	-0.13
	Mid-water	9	29.7	7.1	52300	-0.12
	Bottom	22	29.4	6.9	52357	-0.10
W14	Surface	2	29.6	7.6	52364	0.01
	Mid-water	8	29.4	7.7	52331	0.06
	Bottom	15	29.2	7.7	52288	0.26
W15	Surface	1	29.5	7.4	52420	0.05
	Mid-water	10	29.4	7.4	52431	0.04
	Bottom	21	29.4	7.5	52391	0.12
W16	Surface	1	29.4	7.0	52331	-0.10
	Mid-water	10	29.4	7.0	52301	-0.10
	Bottom	24	29.3	6.9	52293	-0.10

Stoppages	Vessel	Stop	Start
	BHD Colbart	13:20	17:45



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Sunday, 31 May 2020 - Maldives Project 04°11'N 073°28'E																			
Time	WX	Winds						Waves						Vis	Clouds	Temp			
		10m			50m			Wind Wave		Swell		Wave			10m	Lowest	Air		
UTC		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)	
03	TS	SW	11	22	27	11	23	0.4	3	S	0.9	8	1.0	1.6	-	>5	3500	28	
06	TS	SW	10	21	27	10	21	0.4	3	SSW	0.9	8	1.0	1.6	-	>5	3500	28	
09	TS	SW	12	24	27	13	25	0.4	3	S	0.9	8	1.0	1.6	-	>5	3500	28	
12	TS	SW	12	25	27	13	27	0.5	3	S	0.9	8	1.0	1.7	-	>5	3500	28	
15	TS	SW	12	24	27	13	26	0.4	3	SSW	0.9	8	1.0	1.6	-	>5	3500	28	
18	TS	SW	11	22	26	11	23	0.4	3	SSW	0.9	8	1.0	1.6	-	>5	3500	28	
21	TS	SW	12	25	27	13	26	0.5	3	SSW	0.8	8	0.9	1.6	-	>5	3500	28	

Date: 01/06/2020

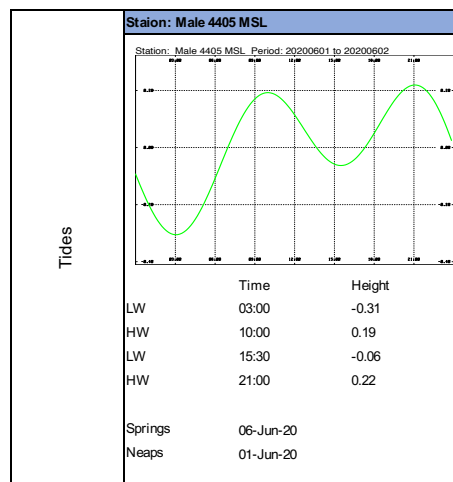
Time: 09:30-11:20

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.5
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.4	7.2	52278	-0.15
	Mid-water	10	29.3	7.2	52260	-0.17
	Bottom	25	29.3	7.1	52250	-0.14
W5	Surface	1	29.3	7.4	52416	-0.16
	Mid-water	11	29.3	7.5	52391	-0.14
	Bottom	24	29.3	7.5	52363	-0.13
W7	Surface	1	29.5	7.5	52402	-0.11
	Mid-water	11	29.4	7.4	52417	-0.13
	Bottom	24	29.4	7.4	52364	-0.15
W10	Surface	1	29.5	7.5	52350	-0.06
	Mid-water	11	29.4	7.5	52351	-0.14
	Bottom	22	29.4	7.4	52306	-0.10
W11	Surface	1	29.4	7.4	52396	-0.11
	Mid-water	11	29.4	7.3	52345	-0.14
	Bottom	24	29.2	7.2	52375	-0.12
W14	Surface	1	29.4	7.1	52244	-0.07
	Mid-water	7	29.3	7.1	52219	-0.05
	Bottom	16	29.2	7.2	52145	0.21
W15	Surface	1	29.3	7.3	52451	-0.14
	Mid-water	10	29.3	7.3	52396	-0.16
	Bottom	25	29.3	7.2	52371	-0.14
W16	Surface	1	29.3	7.3	52285	-0.15
	Mid-water	11	29.3	7.3	52302	-0.16
	Bottom	23	29.3	7.3	52256	-0.12

Stoppages	Vessel	Stop	Start
	BHD Colbart	14:30	17:35



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
		10m			50m			Wind Wave		Swell			Wave			10m	Lowest	Air
UTC		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Monday, 01 Jun 2020 - Maldives Project 04°11'N 073°28'E																		
03	TS	SW	12	25	27	13	26	0.4	3	SSE	0.8	8	0.9	1.5	-	3-5	3500	28
06	TS	SW	13	27	27	14	27	0.4	3	SSE	0.8	8	0.9	1.5	-	3-5	3500	28
09	SHRA	SW	12	17	-	13	17	0.5	3	SSE	0.8	8	0.9	1.6	-	3-5	3500	28
12	TS	SW	13	27	28	14	27	0.5	3	SSE	0.9	8	1.0	1.7	-	3-5	3500	28
15	TS	SW	12	25	27	13	26	0.5	3	SSE	0.9	8	1.0	1.7	-	3-5	3500	28
18	TS	SW	12	25	27	12	25	0.4	3	SSE	0.9	9	1.0	1.6	-	3-5	3500	28
21	RA	SW	13	21	-	14	21	0.4	3	SSE	0.9	9	1.0	1.6	-	3-5	3500	28

Date: 02/06/2020

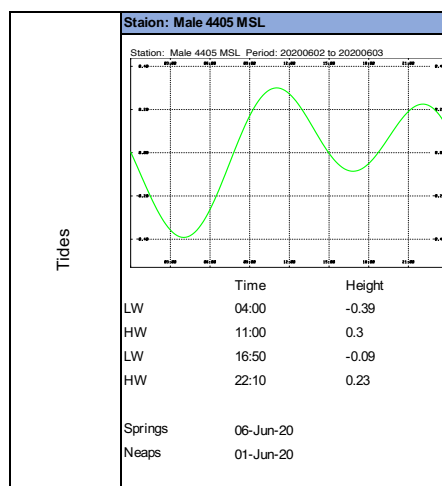
Time: 09:30 - 12:30

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.6
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.3	8.5	52335	-0.16
	Mid-water	10	29.2	8.5	52372	-0.16
	Bottom	25	29.2	8.5	52359	-0.15
W5	Surface	1	29.4	8.8	52461	-0.09
	Mid-water	10	29.3	8.8	52442	-0.13
	Bottom	22	29.3	8.7	52386	-0.02
W7	Surface	1	29.5	8.6	52234	-0.15
	Mid-water	10	29.5	8.6	52221	-0.15
	Bottom	23	29.4	8.6	52267	-0.13
W10	Surface	1	29.5	8.7	52276	-0.15
	Mid-water	11	29.4	8.7	52241	-0.15
	Bottom	21	29.3	8.6	52260	-0.15
W11	Surface	1	29.5	8.7	52289	-0.16
	Mid-water	8	29.5	8.7	52284	-0.13
	Bottom	23	29.4	8.6	52259	-0.08
W14	Surface	1	29.3	8.6	52258	-0.04
	Mid-water	8	29.3	8.6	52250	-0.05
	Bottom	16	29.3	8.6	52297	-0.05
W15	Surface	1	29.4	8.7	52418	-0.07
	Mid-water	11	29.3	8.7	52409	-0.15
	Bottom	22	29.3	8.6	52383	-0.14
W16	Surface	1	29.3	8.5	52337	-0.13
	Mid-water	10	29.3	8.5	52326	-0.14
	Bottom	20	29.3	8.5	52288	-0.15

Stoppages	Vessel	Stop	Start
	BHD Colbart	10:40	12:30
	BHD Colbart	15:30	17:00



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
UTC		10m				50m		Wind Wave		Swell		Wave			10m	Lowest	Air	
		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Tuesday, 02 Jun 2020 - Maldives Project 04°11'N 073°28'E																		
03	NSW	SW	13	18	-	14	19	0.5	3	SSE	0.9	9	1.0	1.7	-	>5	3500	29
06	NSW	SW	13	18	-	14	19	0.5	3	SSE	0.9	9	1.0	1.8	-	>5	3500	29
09	NSW	SW	13	18	-	15	20	0.5	3	SSE	1.0	9	1.1	1.9	-	>5	3500	29
12	NSW	SW	13	18	-	14	19	0.5	3	SSE	1.0	9	1.1	1.9	-	>5	3500	29
15	NSW	SSW	13	18	-	14	19	0.5	3	SSE	1.0	9	1.1	1.9	-	>5	3500	29
18	NSW	SW	12	17	-	13	18	0.5	3	SSE	1.0	9	1.1	1.9	-	>5	3500	29
21	NSW	SW	12	17	-	13	18	0.5	3	SSE	1.0	9	1.1	1.8	-	>5	3500	29

Date: 03/06/2020

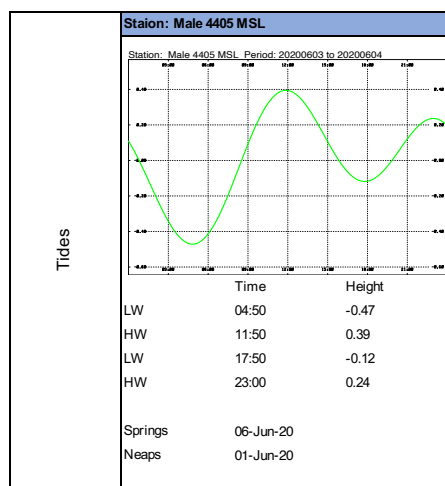
Time: 15:10 - 17:00

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
Contract number : AGR(471)-PIDS2/PRIV/2019/194
Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.7
Contractor : Boskalis Westminster Contracting Ltd
Client : Ministry of National Planning and Infrastructure
Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.7	8.4	52317	-0.07
	Mid-water	10	29.7	8.5	52289	-0.06
	Bottom	24	29.4	8.7	52305	-0.05
W5	Surface	1	29.8	8.9	52370	0.71
	Mid-water	10	29.6	8.9	52395	0.38
	Bottom	21	29.4	8.9	52423	-0.02
W7	Surface	1	29.7	8.7	52269	-0.12
	Mid-water	10	29.3	8.8	52342	-0.12
	Bottom	19	28.7	8.6	52607	0.13
W10	Surface	1	29.8	8.8	52223	-0.11
	Mid-water	11	29.7	8.8	52189	-0.12
	Bottom	24	29.6	8.7	52175	-0.08
W11	Surface	1	29.7	8.7	52264	-0.12
	Mid-water	11	29.7	8.8	52231	-0.10
	Bottom	25	29.5	8.6	52154	-0.11
W14	Surface	1	29.8	8.9	52431	0.07
	Mid-water	6	29.5	9.0	52396	-0.06
	Bottom	15	29.4	9.0	52399	0.01
W15	Surface	1	29.7	8.9	52308	-0.12
	Mid-water	10	29.6	8.8	52281	-0.12
	Bottom	23	29.3	8.7	52345	-0.10
W16	Surface	1	29.9	8.6	52227	-0.07
	Mid-water	11	29.5	8.5	52177	-0.13
	Bottom	18	29.5	8.5	52163	-0.10

Stoppages	Vessel	Stop	Start
	BHD Colbart	16:00	18:20



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
UTC		10m			50m		Wind Wave		Swell			Wave			10m	Lowest	Air	
		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Wednesday, 03 Jun 2020 - Maldives Project 04°11'N 073°28'E																		
03	NSW	SSW	9	13	-	9	13	0.3	3	SSE	1.0	9	1.0	1.7	-	>5	3500	29
06	NSW	SSW	9	13	-	9	13	0.3	2	SSE	1.0	9	1.0	1.7	-	>5	3500	29
09	NSW	SSW	10	14	-	10	14	0.3	2	SSE	1.0	9	1.0	1.7	-	>5	3500	29
12	NSW	SSW	11	15	-	11	16	0.3	3	SSE	1.0	9	1.0	1.7	-	>5	3500	29
15	NSW	SSW	11	15	-	12	16	0.4	3	SSE	1.0	9	1.1	1.8	-	>5	3500	29
18	NSW	SSW	11	16	-	12	17	0.4	3	SSE	1.0	9	1.1	1.8	-	>5	3500	29
21	NSW	SW	12	17	-	13	18	0.4	3	SSE	1.0	9	1.1	1.8	-	>5	3500	28

Date: 04/06/2020

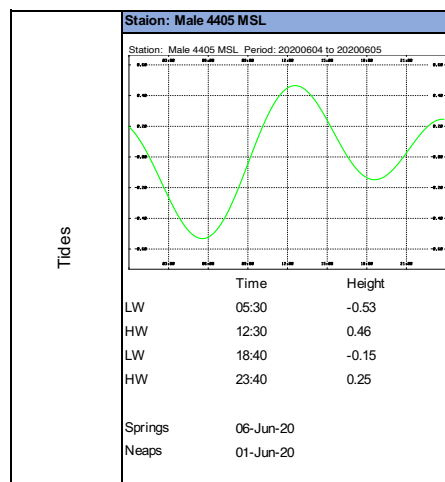
Time: 08:30 - 10:00

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.8
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.4	9.5	52229	-0.07
	Mid-water	8	29.4	8.9	52235	-0.05
	Bottom	19	29.4	8.5	52231	0.01
W5	Surface	1	29.4	8.9	52387	-0.07
	Mid-water	10	29.4	9.0	52388	-0.08
	Bottom	24	29.4	9.2	52332	-0.07
W7	Surface	1	29.5	9.6	52279	-0.15
	Mid-water	11	29.5	9.6	52256	-0.17
	Bottom	22	29.4	9.6	52182	-0.15
W10	Surface	1	29.5	9.9	52256	-0.13
	Mid-water	9	29.4	9.9	52249	-0.15
	Bottom	21	29.4	9.9	52213	-0.14
W11	Surface	2	29.4	9.8	52284	-0.09
	Mid-water	9	29.4	9.7	52281	-0.07
	Bottom	22	29.4	9.7	52209	0.02
W14	Surface	1	29.5	8.8	52363	-0.08
	Mid-water	8	29.4	8.7	52346	0.06
	Bottom	17	29.4	8.8	52306	0.10
W15	Surface	1	29.4	9.5	52405	-0.11
	Mid-water	10	29.4	9.6	52405	-0.01
	Bottom	22	29.4	9.7	52353	-0.07
W16	Surface	1	29.4	9.8	52295	-0.11
	Mid-water	9	29.4	9.8	52287	-0.13
	Bottom	20	29.4	9.8	52237	-0.11

Stoppages	Vessel	Stop	Start
	BHD Colbart	16:20	17:50



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
UTC		10m				50m		Wind Wave		Swell		Wave		10m	Lowest	Air		
		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Thursday, 04 Jun 2020 - Maldives Project 04°11'N 073°28'E																		
03	NSW	SSW	11	15	-	11	16	0.4	3	S	0.5	9	0.6	1.1	-	>5	3500	29
06	NSW	SSW	12	16	-	13	17	0.4	3	S	0.5	9	0.6	1.1	-	>5	3500	29
09	NSW	SSW	12	16	-	13	18	0.5	3	S	0.5	9	0.7	1.2	-	>5	3500	29
12	NSW	SW	11	15	-	11	16	0.4	3	S	0.5	9	0.6	1.0	-	>5	3500	29
15	NSW	SSW	12	16	-	12	16	0.4	3	S	0.4	9	0.6	0.9	-	3-5	3500	29
18	NSW	SSW	12	17	-	13	18	0.4	3	S	0.4	9	0.6	1.0	-	3-5	3500	29
21	SHRA	SSW	12	17	-	13	17	0.5	3	S	0.4	9	0.6	1.1	-	3-5	3500	28

Date: 05/06/2020

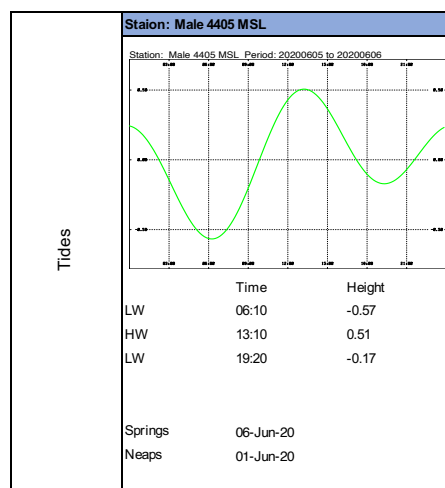
Time: 08:40 - 10:10

Project : Dredging, Land Reclamation and Revetment Works at Gulhifalhu
 Contract number : AGR(471)-PIDS2/PRIV/2019/194
 Project number [MIAS] : 462.10042

Document number : 462.10062-WQR-2.9
 Contractor : Boskalis Westminster Contracting Ltd
 Client : Ministry of National Planning and Infrastructure
 Attention : shaana.farooq@planning.gov.mv

Location	Section	Depth (m)	Temperature	pH	Conductivity (uS/cm)	Turbidity (NTU)
W2	Surface	1	29.4	8.5	52262	-0.13
	Mid-water	10	29.4	8.6	52281	-0.11
	Bottom	20	29.4	8.7	52267	-0.07
W5	Surface	1	29.5	9.0	52266	0.47
	Mid-water	9	29.4	9.1	52314	0.67
	Bottom	17	29.2	9.0	52296	-0.02
W7	Surface	1	29.6	8.9	52144	-0.15
	Mid-water	10	29.5	8.9	52123	-0.15
	Bottom	22	29.5	8.9	52067	-0.13
W10	Surface	1	29.6	8.9	52154	-0.15
	Mid-water	10	29.5	8.9	52139	-0.16
	Bottom	21	29.5	8.8	52047	-0.14
W11	Surface	1	29.5	8.8	52140	-0.13
	Mid-water	9	29.5	8.8	52104	-0.13
	Bottom	19	29.5	8.6	52055	-0.14
W14	Surface	1	29.4	8.8	52320	-0.03
	Mid-water	8	29.4	8.9	52264	-0.01
	Bottom	15	29.4	9.2	52272	0.03
W15	Surface	1	29.5	9.0	52280	-0.09
	Mid-water	9	29.4	9.0	52265	-0.01
	Bottom	20	29.3	9.0	52225	-0.04
W16	Surface	1	29.4	8.6	52294	-0.14
	Mid-water	7	29.4	8.6	52265	-0.12
	Bottom	15	29.4	8.6	52230	-0.10

Stoppages	Vessel	Stop	Start
	BHD Colbart	16:50	17:30



Remarks

As per Client request, started daily in-situ water quality monitoring already at 'Reclamation' locations defined by the EIA on 28/05/2020.
 10 mg/l TSS limit not applicable at the 'Reclamation' locations as per the EIA.

Weather

Time	WX	Winds						Waves						Vis	Clouds	Temp		
		10m			50m			Wind Wave		Swell			Wave			10m	Lowest	Air
UTC		Dir	Spd (kts)	Gust (kts)	Risk (kts)	Spd (kts)	Gust (kts)	Hgt (m)	Per (sec)	Dir	Hgt (m)	Per (sec)	Hsig (m)	Max (m)	Risk (m)	(nm)	(ft)	(degC)
Friday, 05 Jun 2020 - Maldives Project 04°11'N 073°28'E																		
03	NSW	SSW	11	15	-	12	16	0.4	2	S	0.9	9	1.0	1.6	-	>5	3500	29
06	NSW	SW	12	16	-	12	17	0.4	3	S	0.9	9	1.0	1.6	-	>5	3500	29
09	NSW	SW	12	17	-	13	18	0.4	3	S	0.9	9	1.0	1.6	-	>5	3500	29
12	NSW	SW	13	17	-	13	18	0.5	3	S	0.9	9	1.0	1.7	-	>5	3500	29
15	SHRA	SW	12	17	22	13	17	0.4	3	S	0.9	9	1.0	1.6	-	3-5	3500	29
18	TS	SW	14	27	28	15	29	0.5	3	S	0.9	9	1.0	1.7	-	3-5	3500	28
21	TS	SW	12	25	27	13	26	0.5	3	S	0.9	8	1.0	1.7	-	3-5	3500	28