

Appendix J - Detail of Water Quality Exceedance

12 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS1	Mid-Ebb	Suspended Solid	3.58	3.01	13.80	3.26	18.70	It is considered that the source for the relatively high concentration of Suspended Solids and Copper level was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Flood	Copper	2.00	1.20	2.00	1.30	3.00	
IS3	Mid-Flood	Copper	1.33	1.20	2.00	1.30	3.00	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

14 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS1	Mid-Flood	Copper	2.00	2.40	2.00	2.60	3.00	It is considered that the source for the relatively high concentration of Copper level was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Flood	Copper	2.00	2.40	2.00	2.60	3.00	
IS3	Mid-Flood	Copper	2.00	2.40	2.00	2.60	3.00	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

19 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS1	Mid-Ebb	Suspended Solid	5.03	4.59	13.80	4.97	18.70	It is considered that the source for the relatively high concentration of Suspended Solids was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Ebb	Suspended Solid	5.30	4.59	13.80	4.97	18.70	
IS3	Mid-Ebb	Suspended Solid	5.54	4.59	13.80	4.97	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

21 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS3	Mid-Ebb	Suspended Solid	4.37	4.28	13.80	4.64	18.70	It is considered that the source for the relatively high concentration of Suspended Solids was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

28 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS2	Mid-Flood	Turbidity	3.02	2.85	7.00	3.09	8.40	It is considered that the source for the relatively high concentration of Turbidity level and Suspended Solids were not originated from the construction site due to dredging was not implemented on 28 October 2020, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS3	Mid-Flood	Turbidity	3.77	2.85	7.00	3.09	8.40	
IS3	Mid-Flood	Suspended Solids	3.97	3.93	13.80	4.26	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

30 October 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS3	Mid-Flood	Turbidity	2.12	1.99	7.00	2.15	8.40	It is considered that the source for the relatively high concentration of Turbidity level was not originated from the construction site due to no dredging was implemented on 30 October 2020, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

6 November 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS3	Mid-Flood	Turbidity	1.68	1.57	7.00	1.70	8.40	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level was not originated from the construction site as there was no dredging implemented on 6 November 2020, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Flood	Suspended Solids	4.01	3.21	13.80	3.48	18.70	
IS3	Mid-Flood	Suspended Solids	4.03	3.21	13.80	3.48	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

Appendix J - Detail of Water Quality Exceedance

9 November 2020

Monitoring Location	Tide mode	Parameter	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
IS1	Mid-Flood	Suspended Solids	3.03	2.91	13.80	3.15	18.70	It is considered that the source for the relatively high concentration of Suspended Solids was not originated from the construction site as there was no dredging implemented on 9 November 2020, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS3	Mid-Flood	Suspended Solids	3.03	2.91	13.80	3.15	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance