



**Water Monitoring Result at Monitoring Station E - Channelized nullah across the Project site (Upstream Control Station)**

Date	Time	Weater Condition	Sampling Depth m	Water Temperature °C			pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		Suspended Solids mg/L	
				Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
1/2/2019	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18/2/2019	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/2/2019	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/2/2019	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27/2/2019	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:  
 Single underline denotes exceedance over Action Level.  
 Double underline denotes exceedance over Limit Level.  
 Upstream Monitoring Station (Monitoring Station E) would be taken as control reference for exceedance investigation only.



**Water Monitoring Result at Monitoring Station F - Channelized nullah across the Project site (Downstream Impact Station)**

Date	Time	Weater Condition	Sampling Depth m	Water Temperature °C			pH -			Salinity ppt			DO Saturation %		DO mg/L		Turbidity NTU		Suspended Solids mg/L				
				Value	Average		Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average			
1/2/2019	10:25	Cloudy	Surface	17.70	17.70	17.75	7.13	7.13	7.1	0.19	0.19	0.19	108.5	107.7	106.38	10.31	10.18	10.1	3.42	3.46	3.5	<1.0	<1.0
	10:27			17.80	17.80		7.15	7.15		0.19	0.19		104.6	104.7		9.93	9.95		3.60	3.62		<1.0	<1.0
4/2/2019	9:30	Fine	Surface	20.50	20.50	20.65	7.87	7.87	7.8	0.34	0.34	0.34	100.8	101.5	100.80	9.16	9.02	9.1	6.54	6.64	6.6	9.2	9.6
	9:32			20.80	20.80		7.82	7.82		0.34	0.34		100.8	100.1		9.02	9.00		6.60	6.60		10.0	10.0
8/2/2019	9:25	Fine	Surface	21.40	21.40	21.45	7.38	7.38	7.4	0.13	0.13	0.13	89.7	90.4	90.43	7.91	7.98	8.0	2.74	2.74	2.7	2.4	2.1
	9:27			21.50	21.50		7.38	7.38		0.13	0.13		90.8	90.8		8.01	8.01		2.74	2.74		1.8	1.8
11/2/2019	14:45	Fine	Surface	18.60	18.60	18.55	7.30	7.30	7.3	0.19	0.19	0.19	71.3	74.0	74.30	6.67	6.92	7.0	3.01	3.01	3.0	2.8	2.7
	14:47			18.50	18.50		7.30	7.30		0.19	0.19		75.4	76.5		7.06	7.15		3.01	3.01		2.5	2.5
13/2/2019	8:30	Fine	Surface	19.30	19.30	19.40	8.38	8.38	8.4	0.80	0.80	0.80	101.5	100.6	100.10	9.25	9.20	9.1	11.10	11.10	11.1	4.4	4.4
	8:32			19.50	19.50		8.36	8.36		0.80	0.80		99.4	98.9		9.08	9.03		11.00	11.02		4.3	4.3
15/2/2019	17:40	Fine	Surface	20.90	20.90	20.80	7.28	7.28	7.3	0.17	0.17	0.17	80.0	80.0	79.73	7.19	7.18	7.2	89.91	90.33	<u>90.4</u>	57.0	<u>59.6</u>
	17:42			20.70	20.70		7.28	7.28		0.17	0.17		79.4	79.5		7.13	7.12		90.44	90.75		62.1	62.1
18/2/2019	16:30	Cloudy	Surface	18.80	18.80	18.85	8.67	8.67	<u>8.7</u>	0.12	0.12	0.12	89.6	90.2	89.70	8.33	8.39	8.3	221.80	221.80	<u>221.8</u>	211.0	<u>216.5</u>
	16:32			18.90	18.90		8.67	8.67		0.12	0.12		89.4	89.6		8.31	8.35		221.80	221.80		222.0	222.0
20/2/2019	11:30	Cloudy	Surface	21.50	21.50	21.55	9.78	9.78	<u>9.8</u>	0.33	0.33	0.33	92.1	92.4	91.63	8.16	8.23	8.1	12.18	12.17	12.2	7.6	8.2
	11:32			21.60	21.60		9.77	9.77		0.33	0.33		91.1	90.9		8.02	7.94		12.17	12.16		8.7	8.7
22/2/2019	8:30	Fine	Surface	20.30	20.30	20.35	7.89	7.89	7.9	0.13	0.13	0.13	88.1	90.0	90.50	7.95	8.15	8.2	48.21	48.07	<u>48.4</u>	44.4	<u>45.8</u>
	8:32			20.40	20.40		7.84	7.84		0.13	0.13		91.9	92.0		8.29	8.37		48.36	48.88		47.1	47.1
25/2/2019	10:15	Cloudy	Surface	17.90	17.90	17.95	8.04	8.04	8.0	1.43	1.43	1.43	113.5	113.2	112.83	10.61	10.63	10.6	799.80	799.90	<u>803.3</u>	482.0	<u>475.0</u>
	10:17			18.00	18.00		8.04	8.04		1.43	1.43		112.6	112.0		10.58	10.52		805.30	808.30		468.0	468.0
27/2/2019	13:40	Fine	Surface	21.40	21.40	21.70	7.65	7.65	7.6	0.19	0.19	0.19	93.5	94.7	94.68	8.22	8.31	8.3	62.88	62.88	<u>62.9</u>	10.4	10.5
	13:42			22.00	22.00		7.64	7.64		0.19	0.19		95.1	95.4		8.34	8.36		62.88	62.88		10.6	10.6

Remarks:  
 Single underline denotes exceedance over Action Level.  
 Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Monitoring Station H - Ma Yau Tong Stream (Upstream Control Station)**

Date	Time	Weather Condition	Sampling Depth m	Water Temperature °C			pH			Salinity ppt			DO Saturation %			DO mg/L			Turbidity NTU			Suspended Solids mg/L	
				Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average
1/2/2019	10:00	Cloudy	Surface	18.20	18.20	18.20	7.13	7.13	7.1	0.68	0.68	0.68	93.1	92.4	91.83	8.75	8.68	8.6	36.36	36.13	36.5	22.0	22.4
	10:02			18.20	18.20		7.08	7.08		0.68	0.68		90.9	90.9		8.53	8.53		36.66	36.66		22.8	
4/2/2019	12:05	Fine	Surface	22.50	22.50	22.70	7.69	7.69	7.7	0.95	0.95	0.96	98.3	97.2	96.55	9.16	9.02	9.1	13.22	13.23	13.3	5.5	5.9
	12:07			22.90	22.90		7.69	7.69		0.96	0.96		96.0	94.7		9.02	9.00		13.26	13.30		6.2	
8/2/2019	10:00	Fine	Surface	21.80	21.80	21.90	7.24	7.24	7.2	2.46	2.46	2.46	50.0	50.1	49.65	4.32	4.33	4.3	94.51	94.51	94.9	42.8	42.5
	10:02			22.00	22.00		7.25	7.25		2.46	2.46		49.6	48.9		4.28	4.22		94.48	96.18		42.2	
11/2/2019	14:00	Fine	Surface	18.90	18.90	18.95	7.71	7.71	7.7	0.62	0.62	0.62	93.7	90.3	90.30	8.67	8.35	8.4	117.90	117.50	117.5	130.0	140.0
	14:02			19.00	19.00		7.71	7.71		0.62	0.62		89.0	88.2		8.24	8.16		117.30	117.20		150.0	
13/2/2019	9:30	Fine	Surface	20.00	20.00	20.00	10.17	10.17	10.2	0.70	0.70	0.70	104.4	104.0	102.88	9.46	9.43	9.3	70.20	70.13	70.4	80.8	78.1
	9:32			20.00	20.00		10.19	10.19		0.70	0.70		101.7	101.4		9.22	9.19		70.37	70.81		75.4	
15/2/2019	16:50	Fine	Surface	21.00	21.00	21.10	7.48	7.48	7.5	0.27	0.27	0.27	94.4	93.1	93.45	8.40	8.29	8.3	5.09	5.13	5.1	5.7	5.4
	16:52			21.20	21.20		7.47	7.47		0.27	0.27		93.0	93.3		8.27	8.29		5.15	5.00		5.0	
18/2/2019	13:50	Cloudy	Surface	19.10	19.10	19.15	7.76	7.76	7.8	0.67	0.67	0.67	90.9	90.7	90.88	8.38	8.45	8.4	27.78	27.78	27.9	22.7	22.7
	13:52			19.20	19.20		7.75	7.75		0.67	0.67		91.1	90.8		8.40	8.36		27.95	28.02		22.6	
20/2/2019	13:40	Cloudy	Surface	22.90	22.96	23.02	8.75	8.75	8.8	0.28	0.28	0.28	85.3	87.2	85.63	7.32	7.47	7.4	141.90	142.50	142.7	149.0	144.5
	13:42			23.10	23.10		8.76	8.76		0.28	0.28		85.4	84.6		7.49	7.42		143.10	143.40		140.0	
22/2/2019	11:45	Fine	Surface	21.40	21.40	21.50	7.65	7.65	7.7	0.35	0.35	0.35	88.1	90.2	89.03	7.76	7.94	7.8	11.65	11.65	11.7	57.2	58.0
	11:47			21.60	21.60		7.65	7.65		0.35	0.35		88.9	88.9		7.82	7.82		11.65	11.65		58.8	
25/2/2019	10:35	Cloudy	Surface	18.10	18.10	18.10	7.83	7.83	7.8	0.52	0.52	0.52	118.4	117.8	115.78	11.15	11.09	10.9	39.08	39.08	39.2	16.2	16.6
	10:37			18.10	18.10		7.78	7.78		0.52	0.52		113.1	113.8		10.65	10.71		39.25	39.25		17.0	
27/2/2019	16:00	Fine	Surface	21.30	21.30	21.45	8.10	8.10	8.1	0.64	0.64	0.64	87.0	87.7	87.95	7.66	7.22	7.6	177.60	176.30	176.0	121.0	125.5
	16:02			21.60	21.60		8.10	8.10		0.64	0.64		88.1	89.0		7.80	7.83		175.40	174.80		130.0	

Remarks:  
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 Double underline denotes exceedance over Limit Level.  
 Upstream Monitoring Station (Monitoring Station H) would be taken as control reference for exceedance investigation only.



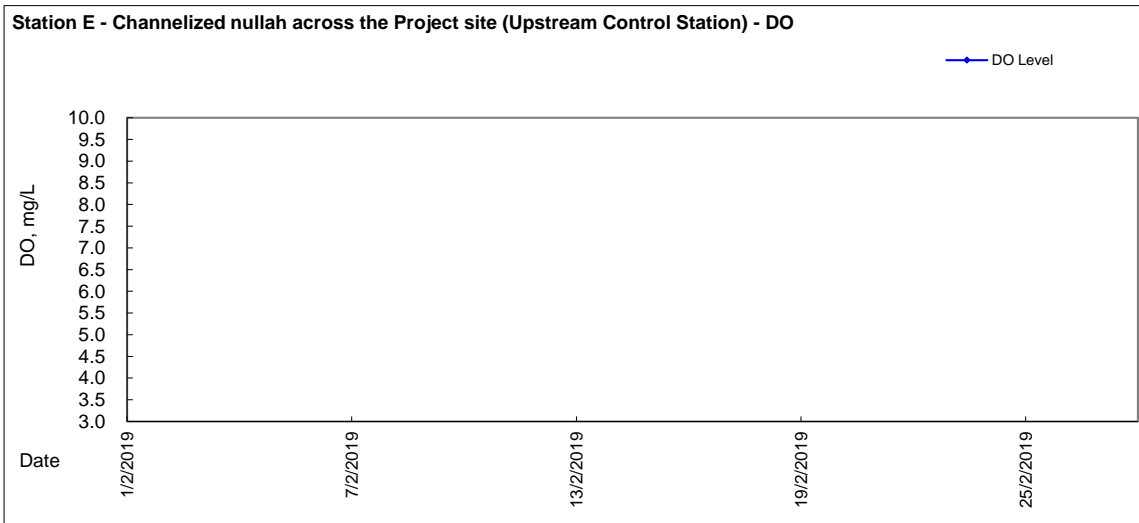
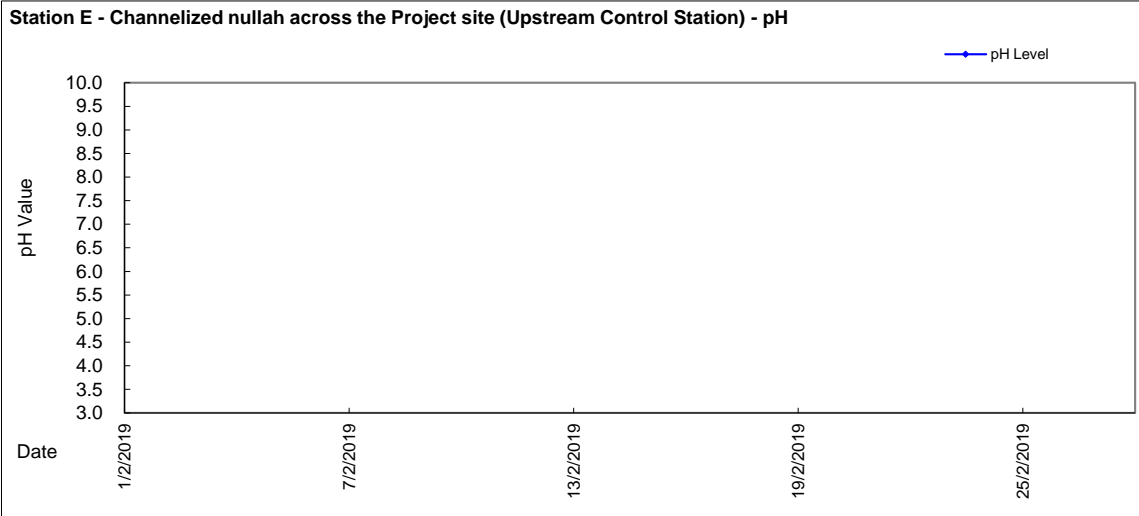
**Water Monitoring Result at Monitoring Station I - Ma Yau Tong Stream (Downstream Impact Station)**

Date	Time	Weather Condition	Sampling Depth m	Water Temperature °C			pH -			Salinity ppt			DO Saturation %			DO mg/L			Turbidity NTU			Suspended Solids mg/L	
				Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average
1/2/2019	9:30	Cloudy	Surface	18.40	18.40	18.40	7.00	7.00	7.0	0.68	0.68	0.68	97.5	97.7	96.98	9.12	9.13	9.1	18.38	18.36	18.4	6.5	6.2
	9:32			18.40	18.40		7.01	7.01		0.68	0.68		96.2	96.5		8.99	9.01		18.35	18.35		5.8	
4/2/2019	13:00	Fine	Surface	22.10	22.10	22.30	7.62	7.62	7.6	0.30	0.30	0.30	101.8	102.0	100.75	8.82	8.83	8.7	2.75	2.79	2.8	1.5	1.9
	13:02			22.50	22.50		7.59	7.59		0.30	0.30		99.8	99.4		8.62	8.58		2.89	2.89		2.2	
8/2/2019	11:00	Fine	Surface	22.00	22.00	22.15	7.77	7.77	7.8	0.33	0.33	0.33	98.9	97.6	97.55	8.62	8.50	8.5	4.51	4.51	4.5	3.7	4.3
	11:02			22.30	22.30		7.76	7.76		0.32	0.32		97.0	96.7		8.43	8.40		4.46	4.34		4.9	
11/2/2019	12:10	Fine	Surface	19.40	19.40	19.45	7.69	7.69	7.7	0.30	0.30	0.30	87.0	86.4	86.40	7.98	7.92	43.4	28.21	28.21	28.1	31.1	30.9
	12:12			19.50	19.50		7.68	7.68		0.30	0.30		86.2	86.0		79.00	78.80		28.09	27.91		30.6	
13/2/2019	9:52	Fine	Surface	20.00	20.00	20.05	8.31	8.31	8.3	0.31	0.31	0.32	97.0	98.0	97.90	8.85	8.93	8.9	5.46	5.56	5.5	6.2	6.2
	9:54			20.10	20.10		8.33	8.33		0.32	0.32		98.4	98.2		8.91	8.89		5.57	5.57		6.1	
15/2/2019	16:20	Fine	Surface	21.30	21.30	21.50	7.34	7.34	7.3	0.39	0.39	0.39	98.4	95.5	94.10	8.67	8.40	8.3	19.03	19.25	19.1	5.3	5.4
	16:22			21.70	21.70		7.34	7.34		0.39	0.39		91.2	91.3		8.01	8.03		19.02	19.02		5.4	
18/2/2019	15:20	Cloudy	Surface	18.70	18.70	18.75	7.65	7.65	7.6	0.21	0.21	0.21	101.4	102.7	102.20	9.45	9.56	9.5	172.40	172.90	172.0	287.0	<u>300.0</u>
	15:22			18.80	18.80		7.63	7.63		0.20	0.20		102.0	102.7		9.50	9.47		172.10	170.70		313.0	
20/2/2019	12:00	Cloudy	Surface	22.10	22.10	22.20	8.13	8.13	8.1	0.24	0.24	0.24	82.6	82.6	82.68	7.19	7.19	7.2	29.06	29.24	29.2	18.7	19.2
	12:02			22.30	22.30		8.12	8.12		0.24	0.24		82.9	82.6		7.21	7.19		29.21	29.20		19.6	
22/2/2019	11:20	Fine	Surface	21.70	21.70	21.58	7.37	7.37	7.4	0.67	0.67	0.67	90.7	89.0	88.70	7.93	7.77	7.7	58.36	58.36	58.4	5.9	6.0
	11:22			21.00	21.90		7.37	7.37		0.67	0.67		87.4	87.7		7.63	7.65		58.36	58.36		6.1	
25/2/2019	11:00	Cloudy	Surface	18.40	18.40	18.60	7.65	7.65	7.6	0.28	0.28	0.28	121.5	120.8	119.13	11.28	11.23	10.8	6.93	6.89	6.9	2.5	2.3
	11:02			18.80	18.80		7.60	7.60		0.28	0.28		117.3	116.9		10.29	10.26		6.83	6.92		2.1	
27/2/2019	16:30	Fine	Surface	21.40	21.40	21.45	7.54	7.54	7.5	0.28	0.28	0.28	91.2	92.2	92.28	8.05	8.03	8.1	33.78	33.67	33.7	4.7	5.4
	16:32			21.50	21.50		7.53	7.53		0.28	0.28		92.8	92.9		8.19	8.19		33.64	33.63		6.0	

Remarks:  
 Single underline denotes exceedance over Action Level.  
 Double underline denotes exceedance over Limit Level.

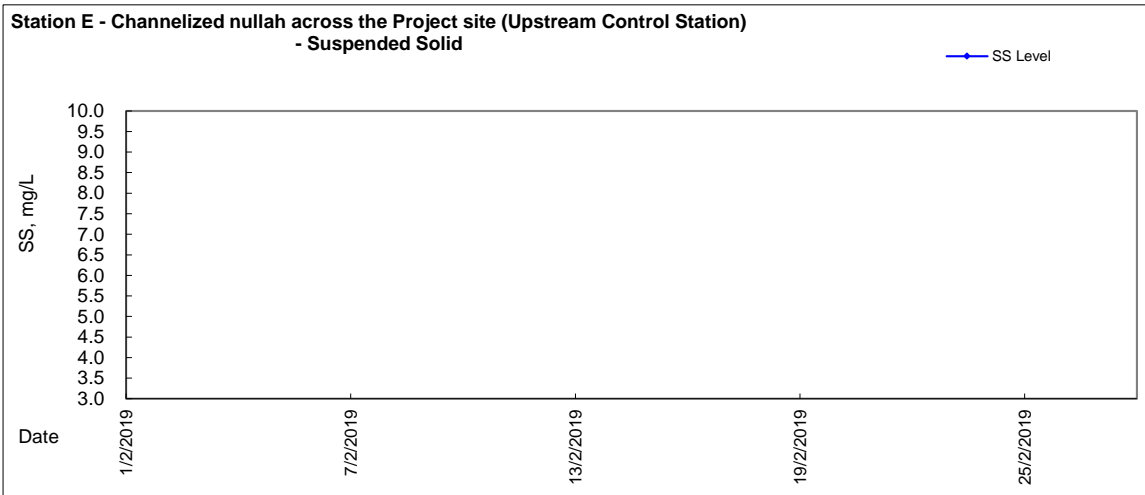
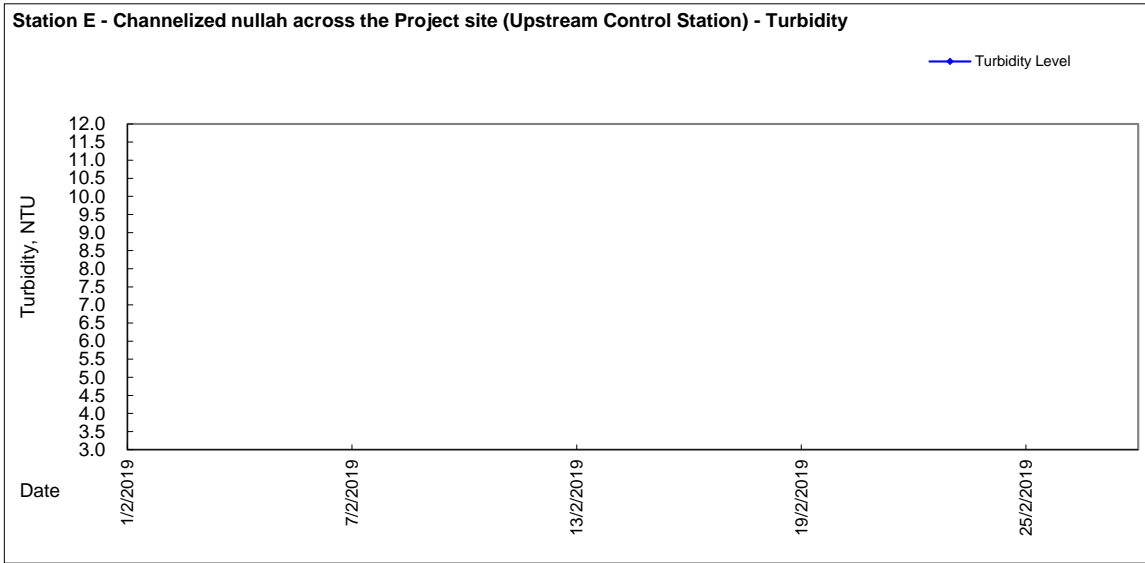


Graphic Presentation of WQM Result



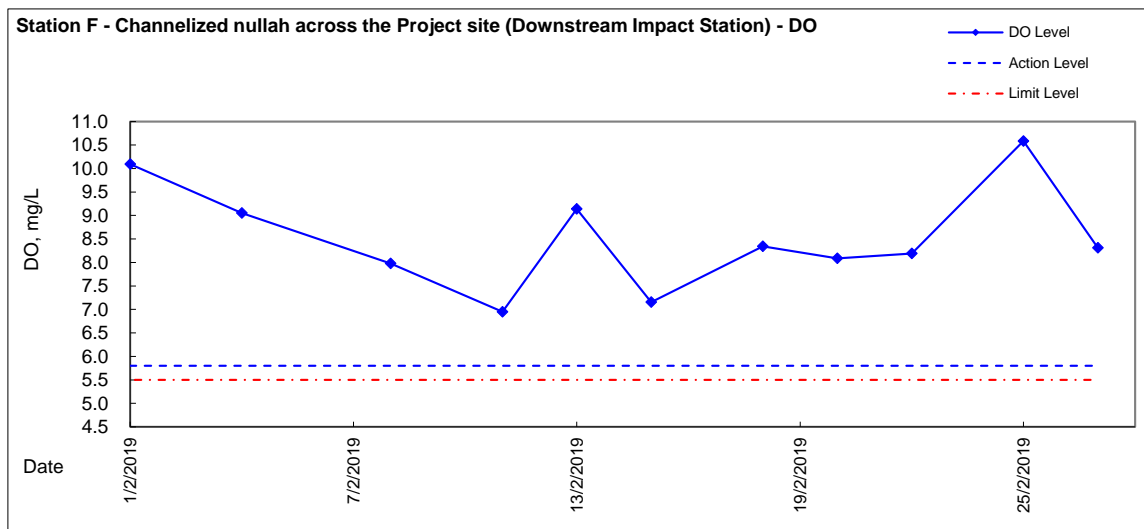
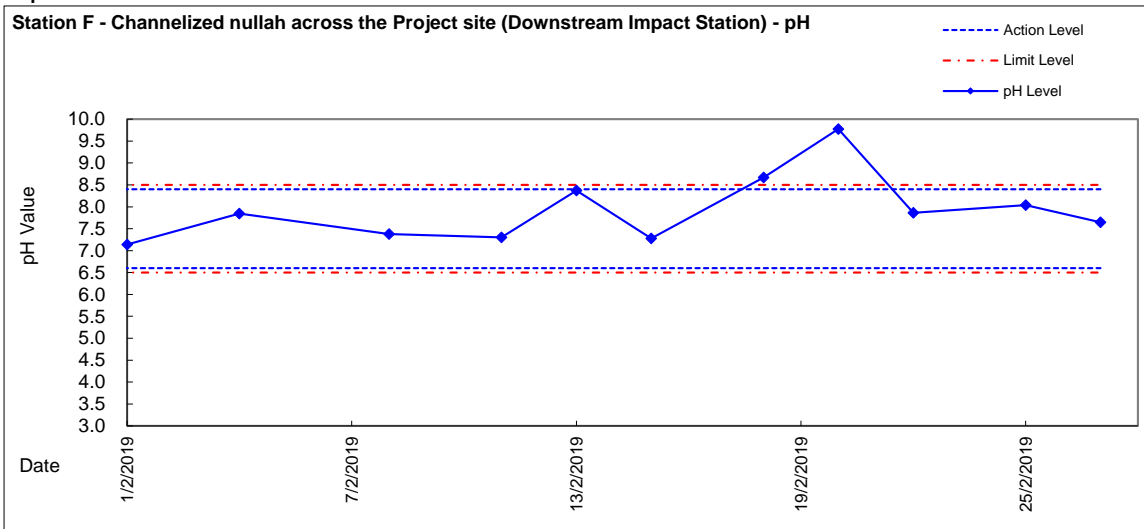


Graphic Presentation of WQM Result



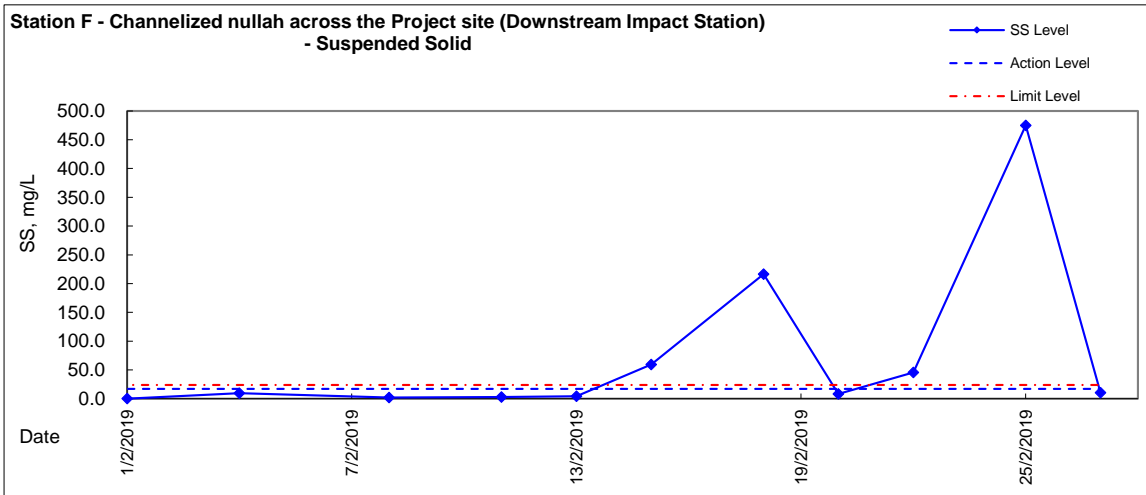
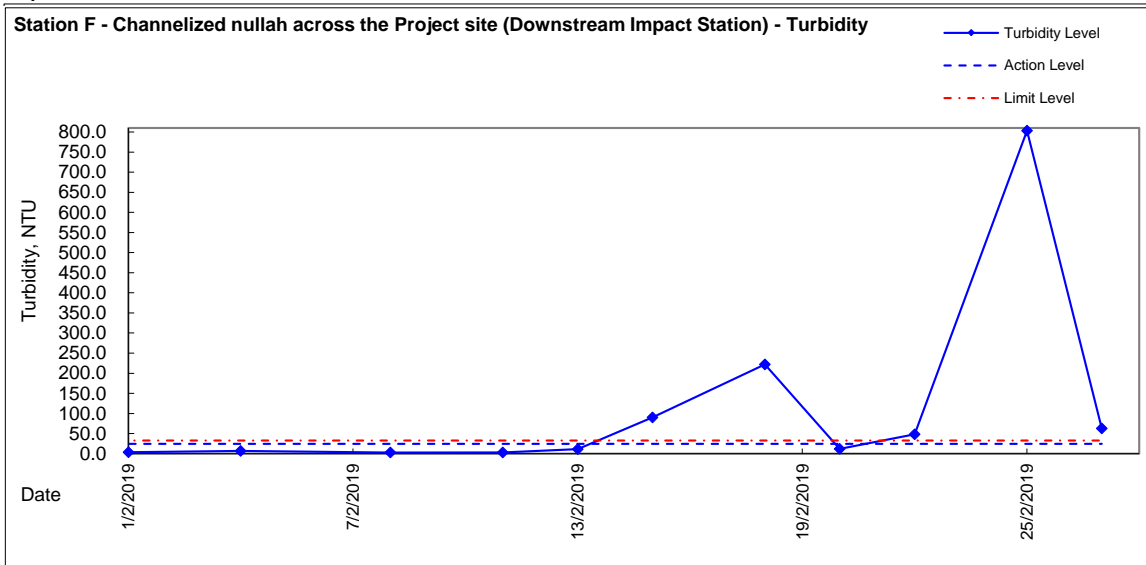


Graphic Presentation of WQM Result





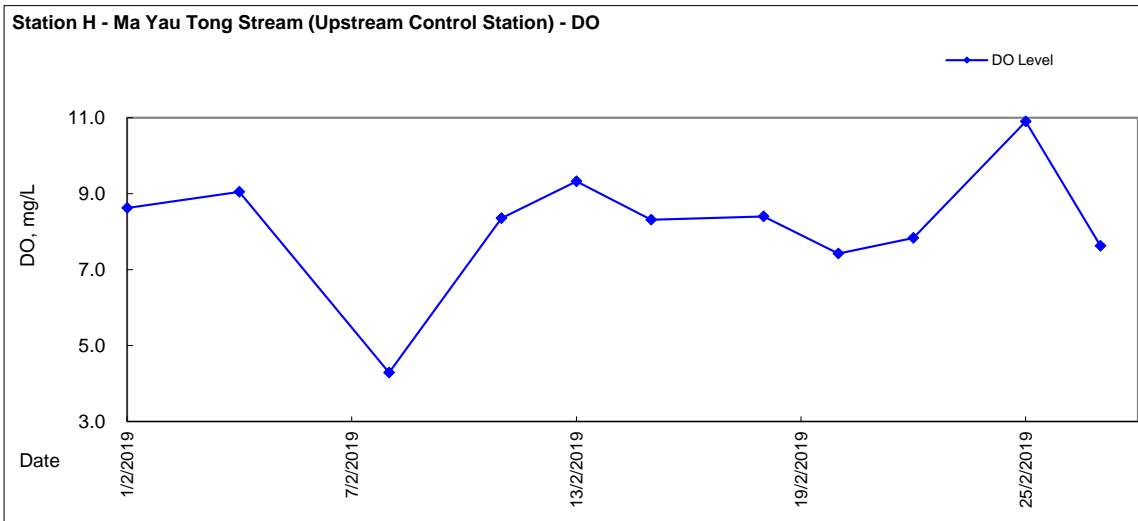
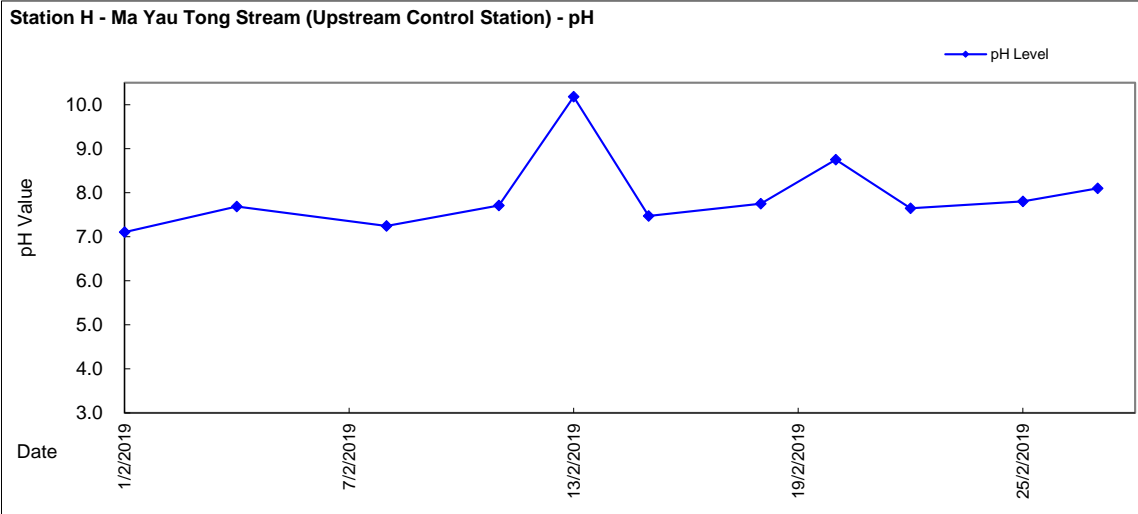
Graphic Presentation of WQM Result





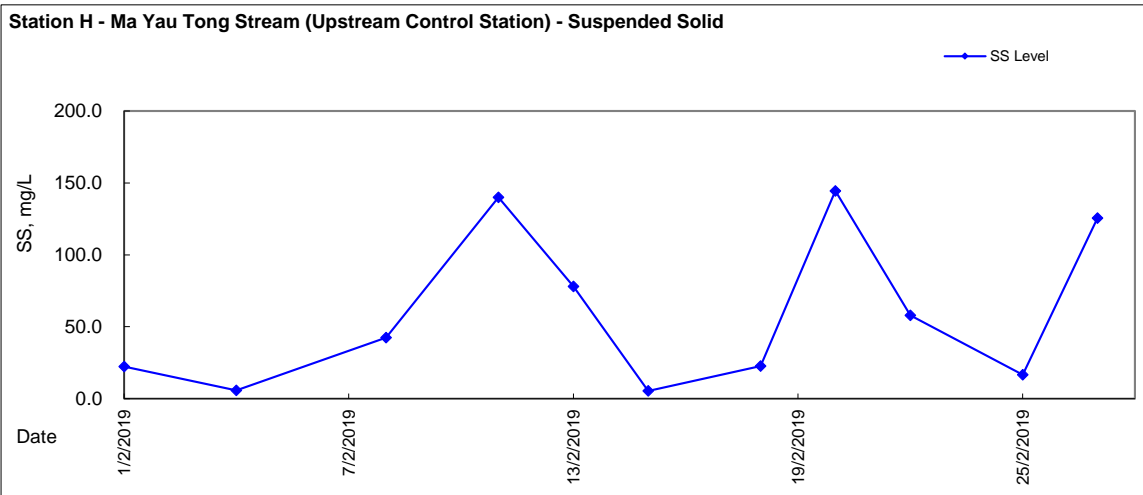
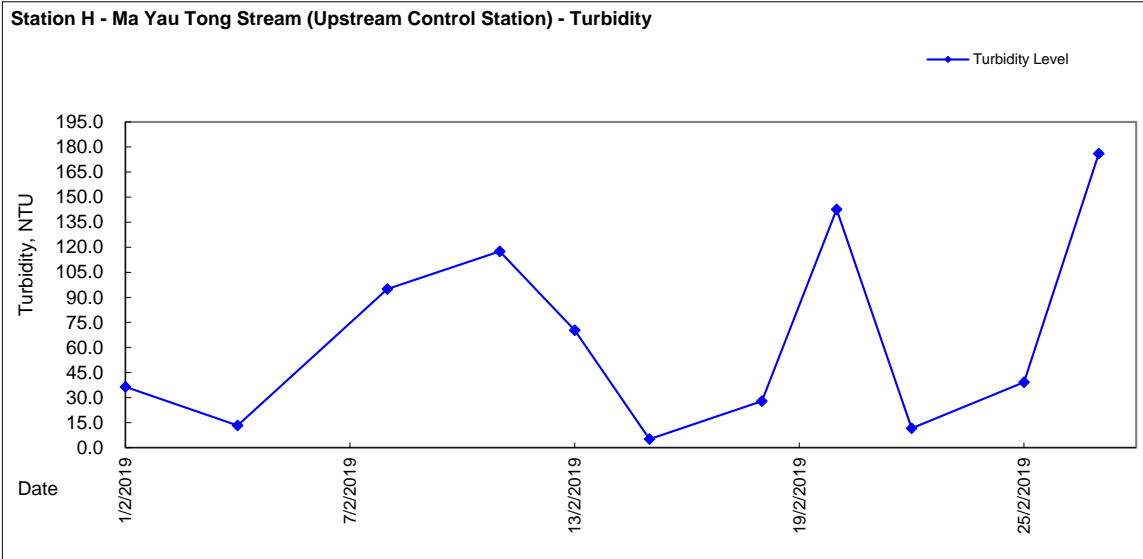


Graphic Presentation of WQM Result



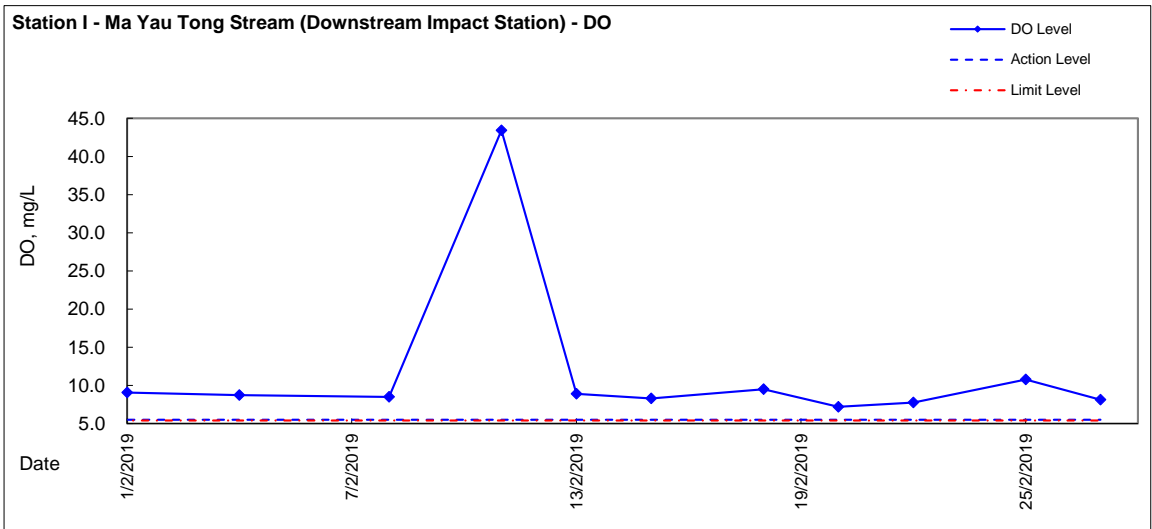
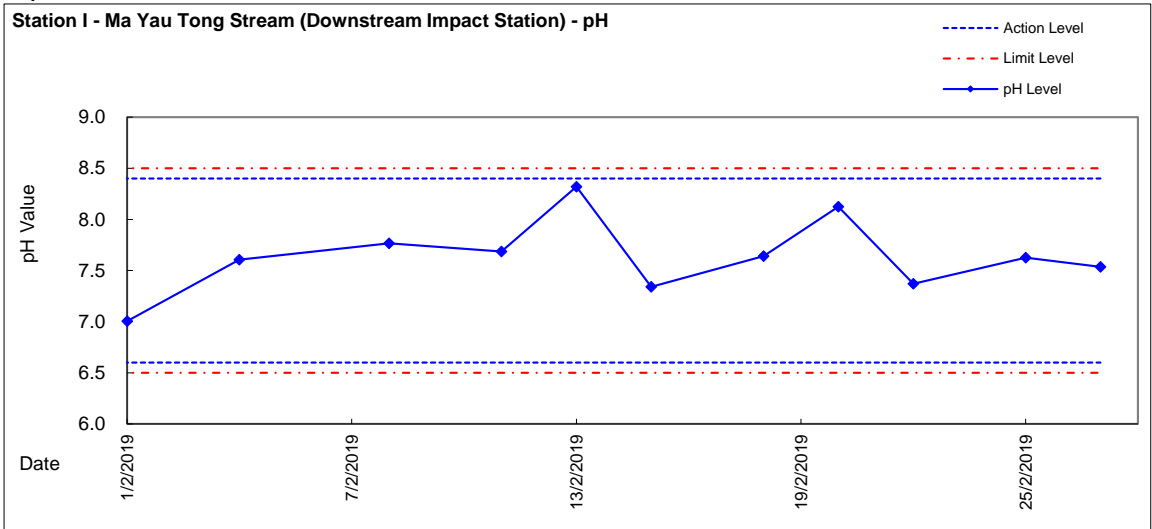


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