

Appendix 4-3

Pollution Loading Inventory for Deep Bay

Table 1B-1 Mainland Pollution Loading Discharged into the Deep Bay for 2012 and Ultimate Year – Dry Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Eastings	Northing										
Shenzhen River	826562.38	842104.63	91889	66175	5842	6840	2.80E+16	90	3008	2164	3897	15475
Dasha River	813025.44	842307.38	5333	5414	425	611	5.31E+15	0	163	97	24	174
Xin Zhou River	821403.25	841326.19	17301	17283	1387	2017	1.75E+16	0	537	319	33	565
Shekou	810286.63	837916.31	5333	5414	425	611	5.31E+15	0	163	97	24	174
Jinxu Zhonghua	816187.31	842148.13	49835	41701	3679	5095	3.69E+16	21	1615	1056	660	4618
Nanshan	811349.81	841209.63	5333	5414	425	611	5.31E+15	0	163	97	24	174
Chiwan	806266.50	835190.31	28198	16198	1821	2302	8.29E+15	29	1047	780	934	5527

Note: Data were extracted from Appendix 5A of the approved EIA for Upgrading and Expansion of San Wai Sewage Treatment Works and Expansion of Ha Tsuen Pumping Station.

Table 1B-2 Mainland Pollution Loading Discharged into the Deep Bay for 2012 and Ultimate Year – Wet Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Eastings	Northing										
Shenzhen River	826562.38	842104.63	97938	77817	6164	6844	2.80E+16	94	3062	2176	4779	15582
Dasha River	813025.44	842307.38	9085	12634	625	645	5.31E+15	2	197	103	572	241
Xin Zhou River	821403.25	841326.19	22495	27275	1664	2064	1.75E+16	2	583	328	791	657
Shekou	810286.63	837916.31	9085	12634	625	645	5.31E+15	2	197	103	572	241
Jinxu Zhonghua	816187.31	842148.13	60221	61684	4233	5188	3.69E+16	26	1707	1075	2175	4803
Nanshan	811349.81	841209.63	9085	12634	625	645	5.31E+15	2	197	103	572	241
Chiwan	806266.50	835190.31	31950	23418	2021	2336	8.29E+15	30	1080	787	1482	5594

Note: Data were extracted from Appendix 5A of the approved EIA for Upgrading and Expansion of San Wai Sewage Treatment Works and Expansion of Ha Tsuen Pumping Station.

Table 1B-3 HKSAR Pollution Loading Discharged into the Deep Bay for 2012 – Dry Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Eastings	Northing										

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Shenzhen River N1	826562.38	842104.63	1241	1728	75	57	4.25E+14	0	19	9	118	11
Deep Bay Stream DE2	810292.00	831674.25	797	745	48	54	4.46E+14	0	15	9	34	2
Deep Bay Stream DE5	811842.63	832228.00	797	821	52	59	6.41E+14	0	19	9	34	2
Deep Bay Stream DE6	812466.75	832886.63	1046	1109	72	84	6.97E+14	0	24	14	63	3
Deep Bay Stream DE7	813333.63	834292.69	1046	1120	72	85	7.25E+14	0	25	14	63	3
Deep Bay Stream DE8	814295.13	834838.00	1046	1109	72	84	6.97E+14	0	24	14	63	3
Tin Shui Wai Nullah – YL1	819193.56	837295.81	1046	1582	98	112	1.91E+15	0	48	14	63	3
Shan Pui Ho River – YL2	821243.13	838082.50	1241	2296	106	91	1.87E+15	0	47	9	118	11

Note: Data were compiled using the methodology proposed in the *Water Quality Impact Assessment Methodology Working Paper* prepared under this Study..

Table 1B-4 HKSAR Pollution Loading Discharged into the Deep Bay for 2012 – Wet Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Shenzhen River N1	826562.38	842104.63	7471	13713	408	112	4.25E+14	3	75	20	1027	122
Deep Bay Stream DE2	810292.00	831674.25	1704	2490	96	63	4.46E+14	1	23	10	167	18
Deep Bay Stream DE5	811842.63	832228.00	1704	2566	100	68	6.41E+14	1	27	10	167	178
Deep Bay Stream DE6	812466.75	832886.63	2862	4602	169	101	6.97E+14	1	40	17	328	36
Deep Bay Stream DE7	813333.63	834292.69	2862	4613	169	102	7.25E+14	1	41	17	328	36
Deep Bay Stream DE8	814295.13	834838.00	2862	4602	169	101	6.97E+14	1	40	17	328	36
Tin Shui Wai Nullah – YL1	819193.56	837295.81	2862	5075	195	129	1.91E+15	1	64	17	328	36

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Shan Pui Ho River – YL2	821243.13	838082.50	7471	14281	439	146	1.87E+15	3	103	20	1027	122

Note: Data were compiled using the methodology proposed in the *Water Quality Impact Assessment Methodology Working Paper* prepared under this Study..

Table 1B-5 HKSAR Pollution Loading Discharged into the Deep Bay for Ultimate Year – Dry Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Shenzhen River N1	826562.38	842104.63	1376	1846	85	70	5.37E+14	1	23	11	125	11
Deep Bay Stream DE2	810292.00	831674.25	902	833	55	64	5.22E+14	0	18	10	38	2
Deep Bay Stream DE5	811842.63	832228.00	902	909	59	69	7.17E+14	0	22	10	38	2
Deep Bay Stream DE6	812466.75	832886.63	1165	1216	81	97	8.05E+14	0	28	16	68	3
Deep Bay Stream DE7	813333.63	834292.69	1165	1227	81	98	8.33E+14	0	29	16	68	3
Deep Bay Stream DE8	814295.13	834838.00	1165	1216	81	97	8.05E+14	0	28	16	68	3
Tin Shui Wai Nullah – YL1	819193.56	837295.81	1165	1689	107	125	2.02E+15	0	52	16	68	3
Shan Pui Ho River – YL2	821243.13	838082.50	1376	2414	116	104	1.99E+15	1	51	11	125	11

Note: Data were compiled using the methodology proposed in the *Water Quality Impact Assessment Methodology Working Paper* prepared under this Study..

Table 1B-6 HKSAR Pollution Loading Discharged into the Deep Bay for Ultimate Year – Wet Season

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	E.coli no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Shenzhen River N1	826562.38	842104.63	7605	13831	418	126	5.37E+14	3	78	23	1034	122
Deep Bay Stream DE2	810292.00	831674.25	1809	2578	103	72	5.22E+14	1	26	12	170	18
Deep Bay Stream DE5	811842.63	832228.00	1809	2654	107	77	7.17E+14	1	30	12	170	18

Outfall	Outfall Location		BOD kg/d	SS kg/d	Org-N kg/d	NH ₃ -N kg/d	<i>E.coli</i> no./d	Copper kg/d	TP kg/d	Ortho-P kg/d	Silicate kg/d	TON kg/d
	Easting	Northing										
Deep Bay Stream DE6	812466.75	832886.63	2981	4710	178	113	8.05E+14	1	44	19	333	36
Deep Bay Stream DE7	813333.63	834292.69	2981	4721	178	114	8.33E+14	1	45	19	333	36
Deep Bay Stream DE8	814295.13	834838.00	2981	4710	178	113	8.05E+14	1	44	19	333	36
Tin Shui Wai Nullah – YL1	819193.56	837295.81	2981	5183	204	141	2.02E+15	1	68	19	333	36
Shan Pui Ho River – YL2	821243.13	838082.50	7605	14399	449	160	1.99E+15	3	106	23	1034	122

Note: Data were compiled using the methodology proposed in the *Water Quality Impact Assessment Methodology Working Paper* prepared under this Study.