

APPENDIX 9D4

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**Pollution Loading  
Inventory**



Table 1 Updated Stormwater Loads (forecast up to 2026)

Table with 28 columns: ID, Easting, Northing, Layer, Period, Description, and various water quality parameters including flows, phosphorus, carbon, nitrogen, detritus, diatoms, algae, ammonium, nitrate, ortho-phosphate, silica, salinity, BOD, dissolved oxygen, copper, E. coli, and inorganic matter.

**Table 1 Updated Stormwater Loads (forecast up to 2026)**

ID	Eastings	Northing	Layer	Period	Description	Flows, the unit should be (m <sup>3</sup> /s)	adsorbed ortho phosphate (gP/m <sup>3</sup> )	Detritus Carbon (DetC) (gC/m <sup>3</sup> )	Detritus Nitrogen (DetN) (gN/m <sup>3</sup> )	Detritus Phosphorus (DetP) (gP/m <sup>3</sup> )	Bertius Silica (DetSi) (gSi/m <sup>3</sup> )	Diatoms	Algae (non-Diatoms) (gC/m <sup>3</sup> )	Ammonium (NH4) (gN/m <sup>3</sup> )	Nitrate (NO3) (gN/m <sup>3</sup> )	Ortho-Phosphate (PO4) (gP/m <sup>3</sup> )	dissolved Silica (Si) (gSi/m <sup>3</sup> )	Water Temperature (°C)	Salinity (g/kg)	carbonaceous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen (gO2/m <sup>3</sup> )	Copper (Cu) (g/m <sup>3</sup> )	E. Coli bacteria (MPN/m <sup>3</sup> )	inorganic matter (M1) (gDM/m <sup>3</sup> )
							AAP	DetC	DetN	DetP	DetSi	DIAI	GREEN	NH4	NO3	PO4	Si	Meat Temp	Salinity	CBO5 <sup>1</sup>	OXY	Cu	E_Coli	M1
SL5	811049	808617		1/Wet Season	South Lantau Island Storm Outfall	0	0.00201	0	0.03683	0.00201	0	0	0	0.02942	0.00053	0.00577	0.04175	0	0	0.557	0	0.001	2.14E+04	0.778
SL6	810342	808651		1/Dry Season	South Lantau Island Storm Outfall	0	0.00104	0	0.02203	0.00104	0	0	0	0.02392	0.00011	0.00525	0.00128	0	0	0.779	0	0.000	2.14E+04	0.243
SL7	810342	808651		1/Wet Season	South Lantau Island Storm Outfall	0	0.00104	0	0.02203	0.00104	0	0	0	0.02392	0.00011	0.00525	0.00128	0	0	0.779	0	0.001	2.14E+04	0.243
SL8	810985	808919		1/Wet Season	South Lantau Island Storm Outfall	0	0.00201	0	0.03683	0.00201	0	0	0	0.02942	0.00053	0.00577	0.04175	0	0	0.557	0	0.001	2.14E+04	0.778
SH1	820985	808919		1/Wet Season	Shik Kwai Chau Storm Outfall	0	0.00201	0	0.03683	0.00201	0	0	0	0.02942	0.00053	0.00577	0.04175	0	0	0.557	0	0.001	2.14E+04	0.778
SH2	817786	807692		1/Wet Season	Shik Kwai Chau Storm Outfall	0	0.01568	0	0.02246	0.01568	0	0	0	0.04338	0.00053	0.00577	0.02242	0	0	0.248	0	0.001	2.14E+04	0.248
SH3	820985	808919		1/Wet Season	Shik Kwai Chau Storm Outfall	0	0.00201	0	0.03683	0.00201	0	0	0	0.02942	0.00053	0.00577	0.04175	0	0	0.557	0	0.001	2.14E+04	0.778
CC1	820684	807608		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC2	820684	807608		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC3	820684	807608		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC4	820684	807608		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC5	820684	807608		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC6	820906	807657		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC7	820906	807657		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC8	820940	808046		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC9	820540	808046		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC10	820540	808046		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC11	820590	808046		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC12	820999	807118		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC13	820999	807118		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC14	821693	807923		1/Dry Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
CC15	821693	807923		1/Wet Season	Cheung Chau Storm Outfall	0	0.00234	0	0.03915	0.00234	0	0	0	0.04211	0.00006	0.00667	0.01154	0	0	0.410	0	0.000	3.57E+04	0.347
MM3	817475	811337		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM4	815944	811690		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM5	818054	814741		1/Wet Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM6	818054	814741		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM7	818054	814741		1/Wet Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM8	818054	814741		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM9	817947	814591		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM10	821687	814591		1/Wet Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM11	821687	814591		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM12	817947	814591		1/Wet Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM13	821687	814591		1/Dry Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM14	821687	814591		1/Wet Season	Mui Wo Storm Outfall	0	0.00130	0	0.02144	0.00130	0	0	0	0.02569	0.00004	0.00445	0.00268	0	0	1.105	0	0.001	2.24E+04	0.265
MM15	821720	812640		1/Dry Season	Peng Chau Storm Outfall	0	0.00191	0	0.04014	0.00191	0	0	0	0.03689	0.00012	0.00526	0.00608	0	0	0.821	0	0.000	2.92E+04	0.310
MM16	821720	812640		1/Wet Season	Peng Chau Storm Outfall	0	0.00191	0	0.04014	0.00191	0	0	0	0.03689	0.00012	0.00526	0.00608	0	0	0.821	0	0.000	2.92E+04	0.310
MM17	821737	816105		1/Dry Season	Peng Chau Storm Outfall	0	0.00191	0	0.04014	0.00191	0	0	0	0.03689	0.00012	0.00526	0.00608	0	0	0.821	0	0.000	2.92E+04	0.310
MM18	821737	816105		1/Wet Season	Peng Chau Storm Outfall	0	0.00191	0	0.04014	0.00191	0	0	0	0.03689	0.00012	0.00526	0.00608	0	0	0.821	0	0.000	2.92E+04	0.310
PS8	844756	817839		1/Dry Season	Port Shelter Storm Outfall	0	0.00504	0	0.06900	0.00504	0	0	0	0.05778	0.00026	0.01665	0.05224	0	0	0.357	0	0.000	1.82E+04	0.235
TK3	844756	817839		1/Wet Season	Port Shelter Storm Outfall	0	0.00504	0	0.06900	0.00504	0	0	0	0.05778	0.00026	0.01665	0.05224	0	0	0.357	0	0.000	1.82E+04	0.235
TK3	844756	817839		1/Dry Season	Tseung Kwan O Storm Outfall	0	0.00905	0	0.131456	0.00905	0	0	0	1.76176	0.00662	0.28829	0.76541	0	0	18.938	0	0.005	1.82E+06	17.765
TK3	844756	817839		1/Wet Season	Tseung Kwan O Storm Outfall	0	0.00905	0	0.131456	0.00905	0	0	0	1.76176	0.00662	0.28829	0.76541	0	0	18.938	0	0.015	1.48E+06	47.682
TU1	849016	812889		1/Dry Season	Tung Lung Chau Storm Outfall	0	0.00362	0	0.04981	0.00362	0	0	0	0.06562	0.00003	0.01062	0.02958	0	0	0.708	0	0.000	5.48E+04	0.604
TU1	849016	812889		1/Wet Season	Tung Lung Chau Storm Outfall	0	0.00362	0	0.04981	0.00362	0	0	0	0.06562	0.00003	0.01062	0.02958	0	0	0.708	0	0.000	5.48E+04	0.604
PT1	844200	802291		1/Dry Season	Po To Storm Outfall	0	0.00084	0	0.01115	0.00084	0	0	0	0.01557	0.00001	0.00251	0.00447	0	0	0.166	0	0.000	1.33E+04	0.170
PT1	844200	802291		1/Wet Season	Po To Storm Outfall	0	0.00084	0	0.01115	0.00084	0	0	0	0.01557	0.00001	0.00251	0.00447	0	0	0.166	0	0.000	1.33E+04	0.170
GL1	820264	816357		1/Dry Season	Green Island Storm Outfall	0	0.01554	0	0.02028	0.01554	0	0	0	0.28190	0.00002	0.04559	0.11720	0	0	2.688	0	0.000	2.40E+05	2.380
GL1	820264	816357		1/Wet Season	Green Island Storm Outfall	0	0.01554	0	0.02028	0.01554	0	0	0	0.28190	0.00002	0.04559	0.11720	0	0	2.688	0	0.000	2.40E+05	2.380
CE1	833381	817018		1/Dry Season	Central Western Storm Outfall	0	0.02924	0	0.03924	0.02924	0	0	0	1.06820	0.00047	0.03267	0.28920	0	0	15.420	0	0.001	8.53E+05	11.020
CE1	833381	817018		1/Wet Season	Central Western Storm Out																			



Table 1 Updated Stormwater Loads (forecast up to 2026)

ID	Easting	Northing	Layer	Period	Description	TCV (T of discharges with flows, the unit should be m <sup>3</sup> /s)	AAP	DetC	DetN	DetP	DetS	Diatoms	Algae (non-Diatoms)	Ammonium (NH4)	Nitrate (NO3)	Ortho-Phosphate (PO4)	dissolved Silica (Si)	Water Temperature (°C)	Salinity (‰)	carboneous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen	Copper (Cu) (g/m <sup>3</sup> )	EC-Coil (MPN/m <sup>3</sup> )	inorganic matter (MI1) (gDM/m <sup>3</sup> )
PF3	831869	812514		1 Wet Season	Pokfulam Storm Outfall	0	0.01656	0	0.22715	0.00705	0	0	0	0.21420	0.00362	0.00585	0.30049	0	0	3.503	0	0.001	1.69E+05	4.661
AB1	832857	812039		1 Wet Season	Aberrden Storm Outfall	0	0.00705	0	0.09554	0.00705	0	0	0	0.12424	0.00033	0.02058	0.05956	0	0	1.420	0	0.000	1.03E+05	1.793
AB2	832857	812039		1 Dry Season	Aberrden Storm Outfall	0	0.00692	0	0.13964	0.00692	0	0	0	0.13338	0.00033	0.02058	0.05956	0	0	2.236	0	0.000	1.03E+05	2.793
AB2	833063	812073		1 Wet Season	Aberrden Storm Outfall	0	0.00692	0	0.13964	0.00692	0	0	0	0.13338	0.00033	0.02058	0.05956	0	0	2.236	0	0.000	1.03E+05	2.793
AB2	833063	812073		1 Dry Season	Aberrden Storm Outfall	0	0.00692	0	0.13964	0.00692	0	0	0	0.13338	0.00033	0.02058	0.05956	0	0	2.236	0	0.000	1.03E+05	2.793
AB3	833063	812073		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00925	0	0.13964	0.00925	0	0	0	0.12424	0.00033	0.02212	0.07193	0	0	2.458	0	0.000	1.03E+05	2.793
AB3	833063	812073		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00925	0	0.13964	0.00925	0	0	0	0.12424	0.00033	0.02212	0.07193	0	0	2.458	0	0.000	1.03E+05	2.793
AB4	833576	811967		1 Wet Season	Aberrden Storm Outfall	0	0.00705	0	0.09554	0.00705	0	0	0	0.12424	0.00033	0.02212	0.05656	0	0	1.420	0	0.000	1.03E+05	1.793
AB4	833576	811967		1 Dry Season	Aberrden Storm Outfall	0	0.00692	0	0.13964	0.00692	0	0	0	0.13338	0.00033	0.02058	0.05656	0	0	2.236	0	0.000	1.03E+05	1.793
AB5	833063	812073		1 Wet Season	Aberrden Storm Outfall	0	0.00692	0	0.13964	0.00692	0	0	0	0.13338	0.00033	0.02058	0.05656	0	0	1.420	0	0.000	1.03E+05	1.793
AB5	833063	812073		1 Dry Season	Aberrden Storm Outfall	0	0.00925	0	0.13964	0.00925	0	0	0	0.12424	0.00033	0.02212	0.07193	0	0	2.236	0	0.000	1.03E+05	1.793
AB6	833576	811967		1 Wet Season	Aberrden Storm Outfall	0	0.00705	0	0.09554	0.00705	0	0	0	0.12424	0.00033	0.02212	0.05656	0	0	1.420	0	0.000	1.03E+05	1.793
AB6	833576	811967		1 Dry Season	Aberrden Storm Outfall	0	0.00925	0	0.13964	0.00925	0	0	0	0.13338	0.00033	0.02058	0.05656	0	0	2.236	0	0.000	1.03E+05	1.793
AB8	834741	811740		1 Wet Season	Aberrden Storm Outfall	0	0.00705	0	0.09554	0.00705	0	0	0	0.13338	0.00033	0.02212	0.05656	0	0	1.420	0	0.000	1.03E+05	1.793
AB8	834741	811740		1 Dry Season	Aberrden Storm Outfall	0	0.00925	0	0.13964	0.00925	0	0	0	0.12424	0.00033	0.02212	0.07193	0	0	2.236	0	0.000	1.03E+05	1.793
AL1	834780	811135		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01674	0.04437	0	0	1.132	0	0.000	8.19E+04	0.951
AL1	834780	811135		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01674	0.04437	0	0	1.132	0	0.000	8.19E+04	0.951
AL2	834600	811486		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00621	0	0.08851	0.00621	0	0	0	0.09951	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL2	834600	811486		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00621	0	0.08851	0.00621	0	0	0	0.09951	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL3	834220	811879		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00621	0	0.07572	0.00621	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL3	834220	811879		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00621	0	0.07572	0.00621	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL4	834220	811879		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL4	834220	811879		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL5	833610	810765		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL5	833610	810765		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL6	833610	810765		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL6	833610	810765		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00637	0	0.07572	0.00637	0	0	0	0.09738	0.00034	0.01621	0.04372	0	0	1.132	0	0.000	8.19E+04	0.951
AL9	834380	811369		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00668	0	0.13260	0.00668	0	0	0	0.17279	0.00033	0.02840	0.07277	0	0	1.940	0	0.000	1.44E+05	1.680
AL9	834380	811369		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00668	0	0.13260	0.00668	0	0	0	0.17279	0.00033	0.02840	0.07277	0	0	1.940	0	0.000	1.44E+05	1.680
AL10	834980	811369		1 Wet Season	Ap Lei Chau Storm Outfall	0	0.00668	0	0.13260	0.00668	0	0	0	0.17279	0.00033	0.02840	0.07277	0	0	2.757	0	0.000	1.44E+05	1.680
AL10	834980	811369		1 Dry Season	Ap Lei Chau Storm Outfall	0	0.00668	0	0.13260	0.00668	0	0	0	0.17279	0.00033	0.02840	0.07277	0	0	2.757	0	0.000	1.44E+05	1.680
L11	829313	809765		1 Wet Season	Lamma Island Storm Outfall	0	0.01255	0	0.17513	0.01255	0	0	0	0.17963	0.00033	0.02994	0.19166	0	0	2.757	0	0.000	1.33E+05	3.341
L11	829313	809765		1 Dry Season	Lamma Island Storm Outfall	0	0.01216	0	0.16900	0.01216	0	0	0	0.15732	0.00040	0.02548	0.05953	0	0	1.670	0	0.000	1.33E+05	3.341
L12	829313	809765		1 Wet Season	Lamma Island Storm Outfall	0	0.01216	0	0.16900	0.01216	0	0	0	0.15732	0.00040	0.02548	0.05953	0	0	1.670	0	0.000	1.33E+05	3.341
L12	829313	809765		1 Dry Season	Lamma Island Storm Outfall	0	0.01216	0	0.16900	0.01216	0	0	0	0.15732	0.00040	0.02548	0.05953	0	0	1.670	0	0.000	1.33E+05	3.341
L13	830229	806997		1 Wet Season	Lamma Island Storm Outfall	0	0.01216	0	0.16900	0.01216	0	0	0	0.15732	0.00040	0.02548	0.05953	0	0	1.670	0	0.000	1.33E+05	3.341
L13	830229	806997		1 Dry Season	Lamma Island Storm Outfall	0	0.01216	0	0.16900	0.01216	0	0	0	0.15732	0.00040	0.02548	0.05953	0	0	1.670	0	0.000	1.33E+05	3.341
BCF1	813273	820479		1 Wet Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF1	813273	820479		1 Dry Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF2	813749	820331		1 Wet Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF2	813749	820331		1 Dry Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF3	813749	820331		1 Wet Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF3	813749	820331		1 Dry Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF4	812743	819325		1 Wet Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
BCF4	812743	819325		1 Dry Season	HKBCF T/M-CLKL	0	0.00332	0	0.04660	0.00332	0	0	0	0.00077	0.00053	0.00152	0.01258	0	0	0.068	0	0.000	0.00E+00	0.168
LC8	813113	841137		1 Wet Season	Tung Chung East Development	0	0.05568	0	0.08344	0.00556	0	0	0	0.01384	0.00268	0.00219	0.22861	0	0	1.667	0	0.000	0.00E+00	3.014
LC8	813113	841137		1 Dry																				

Table 1 Updated Stormwater Loads (forecast up to 2026)

ID	Easting	Northing	Layer	Period	Description	flow, the unit should be (m <sup>3</sup> /s)	absorbed ortho phosphate (gP/m <sup>3</sup> )	Detritus Carbon (DetC) (gC/m <sup>3</sup> )	Detritus Nitrogen (DetN) (gNm <sup>3</sup> )	Detritus Phosphorus (DetP) (gP/m <sup>3</sup> )	Detritus Silica (DetSi) (gSi/m <sup>3</sup> )	Diatoms (Diat) (gC/m <sup>3</sup> )	Algae (non-Diatoms) (gC/m <sup>3</sup> )	Ammonium (NH4) (gNm <sup>3</sup> )	Nitrate (NO3) (gNm <sup>3</sup> )	Ortho-Phosphate (PO4) (gP/m <sup>3</sup> )	dissolved Silica (Si) (gSi/m <sup>3</sup> )	Water Temperature (°C)	Salinity (g/kg)	carbonaceous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen (g/m <sup>3</sup> )	Copper (Cu) (g/m <sup>3</sup> )	E. Coli bacteria (MPN/m <sup>3</sup> )	inorganic matter (IM1) (gDM/m <sup>3</sup> )
TMS2	814140	820371	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS2	814140	820371	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158
TMS3	814128	820181	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS3	814128	820181	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158
TMS4	814079	818970	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS4	814079	818970	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158
TMS5	814079	819765	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS5	814079	819765	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158
TMS6	813853	819533	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS6	813853	819533	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158
TMS7	813885	819314	1	Dry Season	TMCKL Southern Reclamation	0	0.00003	0	0.00040	0.00003	0	0	0	0.00007	0.00013	0.00011	0.00111	0	0	0.009	0	0.000	0.00E+00	0.015
TMS7	813885	819314	1	Wet Season	TMCKL Southern Reclamation	0	0.00029	0	0.00438	0.00029	0	0	0	0.00073	0.00146	0.00015	0.01197	0	0	0.082	0	0.000	0.00E+00	0.158

Table 2 Updated Sewage Outfall Loads (forecast up to 2026)

ID	Easting	Northing	Layer	Period	Description	1 DAY (or discharges with flows, the unit should be (m3/s))																		
						adsorbed ortho phosphate	Detrus Carbon (DetC)	Detrus Nitrogen (DetN)	Detrus Phosphorus (DetP)	Detrus Silica (DetSi)	Diatoms	Algae (non-Diatoms)	Ammonium (NH4)	Nitrate (NO3)	Ortho-Phosphate (PO4)	dissolved Silica (Si)	Water Temperature	Salinity	carbonaceous BOD (first pool) at 5 days	Dissolved Oxygen	Copper (Cu)	E. Coli bacteria	Inorganic matter (IM1)	
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'Diat'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'OXY'	'Cu'	'EColi'	'IM1'	
CCB	819710	808326	1	Dry Season	Cheung Chau STW	0.00	0.041	0.723	0.041	0	0	0	0	1.183	0.013	0.193	0.310	0	0	7.69	0	0.001	5.0E+05	4.62
CCB	819710	808326	1	Wet Season	Cheung Chau STW	0.00	0.042	0.729	0.042	0	0	0	0	1.195	0.013	0.195	0.310	0	0	7.69	0	0.001	5.1E+05	4.62
H-LA	822805	812825	1	Dry Season	Hei Ling Chau STW	0.00	0.007	0.070	0.007	0	0	0	0	0.120	0.247	0.051	0.244	0	0	0.89	0	0.000	1.2E+02	0.43
H-LA	822805	812825	1	Wet Season	Hei Ling Chau STW	0.00	0.008	0.079	0.008	0	0	0	0	0.120	0.249	0.051	0.244	0	0	0.89	0	0.000	1.2E+02	0.74
H-LB	820641	813086	1	Dry Season	Hei Ling Chau STW	0.00	0.000	0.005	0.000	0	0	0	0	0.008	0.016	0.003	0.015	0	0	0.21	0	0.000	7.6E+00	0.03
H-LB	820641	813086	1	Wet Season	Hei Ling Chau STW	0.00	0.001	0.013	0.001	0	0	0	0	0.008	0.019	0.004	0.038	0	0	0.21	0	0.000	7.6E+00	0.35
MVA	818794	813632	1	Dry Season	Mai Wo STW	0.00	0.003	0.207	0.003	0	0	0	0	0.214	0.000	0.173	0.104	0	0	0.86	0	0.005	4.3E+05	1.28
MVA	818794	813632	1	Wet Season	Mai Wo STW	0.00	0.003	0.207	0.003	0	0	0	0	0.214	0.000	0.173	0.104	0	0	0.86	0	0.005	4.3E+05	1.28
NPA	807464	808764	1	Dry Season	Ngong Ping STW	0.00	0.000	0.589	0.000	0	0	0	0	0.125	0.876	0.218	0.077	0	0	1.25	0	0.014	1.3E+05	1.88
NPA	807464	808764	1	Wet Season	Ngong Ping STW	0.00	0.000	0.589	0.000	0	0	0	0	0.125	0.876	0.218	0.077	0	0	1.25	0	0.014	1.3E+05	1.88
PCA	821314	816627	1	Dry Season	Peng Chau STW	0.00	0.004	0.018	0.004	0	0	0	0	0.037	0.037	0.025	0.050	0	0	0.37	0	0.000	1.8E+05	0.55
PCA	821314	816627	1	Wet Season	Peng Chau STW	0.00	0.004	0.018	0.004	0	0	0	0	0.037	0.037	0.025	0.050	0	0	0.37	0	0.000	1.8E+05	0.55
TMC	811271	823289	1	Dry Season	Pillar Point STW	2.66	0.455	24.000	0.455	0	0	0	24.000	0.137	1.330	9.000	0	0	180.00	0.1	0.080	3.0E+09	120.00	
TMC	811271	823289	1	Wet Season	Pillar Point STW	2.66	0.455	24.000	0.455	0	0	0	24.000	0.137	1.330	9.000	0	0	180.00	0.1	0.080	3.0E+09	120.00	
TMA	807286	828377	1	Dry Season	Sam Wai STW	0.00	1.041	32.226	1.041	0	0	0	77.387	24.840	4.710	32.917	0	0	300.93	0.68981	0.248	6.9E+08	180.90	
TMA	807286	828377	1	Wet Season	Sam Wai STW	0.00	1.041	32.226	1.041	0	0	0	77.387	24.840	4.710	32.917	0	0	300.93	0.68981	0.248	6.9E+08	180.90	
WTA	824680	824702	1	Dry Season	Sham Tseng STW	0.20	0.485	10.210	0.485	0	0	0	30.320	0.137	1.430	9.000	0	0	180.00	0.1	0.080	6.0E+08	100.00	
WTA	824680	824702	1	Wet Season	Sham Tseng STW	0.20	0.485	10.210	0.485	0	0	0	30.320	0.137	1.430	9.000	0	0	180.00	0.1	0.080	6.0E+08	100.00	
TLAB	838963	820011	1	Dry Season	THEES	5.44	0.115	1.500	0.115	0	0	0	1.150	11.480	1.700	9.000	0	0	5.00	5.2	0.064	1.0E+07	8.00	
TLAB	838963	820011	1	Wet Season	THEES	5.44	0.115	1.500	0.115	0	0	0	1.150	11.480	1.700	9.000	0	0	5.00	5.2	0.064	1.0E+07	8.00	
HSG	845046	809445	1	Dry Season	Shek O STW	0.00	0.013	0.167	0.013	0	0	0	0.233	0.000	0.038	0.067	0	0	2.17	0	0.000	2.0E+05	1.98	
HSG	845046	809445	1	Wet Season	Shek O STW	0.00	0.017	0.205	0.017	0	0	0	0.317	0.000	0.049	0.069	0	0	2.24	0	0.000	2.9E+05	2.03	
SFA	807041	809248	1	Dry Season	Shek Pik STW	0.00	0.004	0.042	0.004	0	0	0	0.069	0.048	0.030	0.109	0	0	0.44	0	0.000	7.0E+01	0.25	
SFA	807041	809248	1	Wet Season	Shek Pik STW	0.00	0.004	0.042	0.004	0	0	0	0.069	0.048	0.030	0.109	0	0	0.44	0	0.000	7.0E+01	0.25	
NLA	816800	820625	1	Dry Season	Siu Ho Wan STW	1.96	0.485	10.210	0.485	0	0	0	30.320	0.137	1.430	9.000	0	0	180.00	0.1	0.080	3.0E+09	120.00	
NLA	816800	820625	1	Wet Season	Siu Ho Wan STW	1.96	0.485	10.210	0.485	0	0	0	30.320	0.137	1.430	9.000	0	0	180.00	0.1	0.080	3.0E+09	120.00	
LIC	833047	808438	1	Dry Season	Sok Kwu Wan STW	0.02	0.000	0.000	0.000	0	0	0	2.550	10.380	0.000	0.000	0	0	20.00	0	0.000	1.5E+07	30.00	
LIC	833047	808438	1	Wet Season	Sok Kwu Wan STW	0.02	0.000	0.000	0.000	0	0	0	2.550	10.380	0.000	0.000	0	0	20.00	0	0.000	1.5E+07	30.00	
H-SF	842956	807310	1	Dry Season	Stanley STW	0.00	0.030	0.279	0.030	0	0	0	0.480	0.621	0.205	0.723	0	0	2.80	0	0.001	4.9E+02	1.66	
H-SF	842956	807310	1	Wet Season	Stanley STW	0.00	0.031	0.283	0.031	0	0	0	0.492	0.622	0.208	0.723	0	0	2.80	0	0.001	5.0E+02	1.67	
NWVE	830523	819376	1	Dry Season	Stonecutters Island STW	28.32	0.350	3.500	0.350	0	0	0	7.000	23.000	1.300	8.600	0	0	24.00	0	0.012	2.0E+08	16.00	
NWVE	830523	819376	1	Wet Season	Stonecutters Island STW	28.32	0.350	3.500	0.350	0	0	0	7.000	23.000	1.300	8.600	0	0	24.00	0	0.012	2.0E+08	16.00	
TOA	803325	813579	1	Dry Season	Tai O STW	0.00	0.014	0.307	0.014	0	0	0	0.627	0.000	0.051	0.051	0	0	3.28	0	0.002	3.0E+02	1.91	
TOA	803325	813579	1	Wet Season	Tai O STW	0.00	0.014	0.307	0.014	0	0	0	0.627	0.000	0.051	0.051	0	0	3.28	0	0.002	3.0E+02	1.91	
LUB	828782	809792	1	Dry Season	Xuen Shue Wan STW	0.03	0.000	0.000	0.000	0	0	0	2.550	10.380	0.000	0.000	0	0	20.00	0	0.000	0.0E+00	30.00	
LUB	828782	809792	1	Wet Season	Xuen Shue Wan STW	0.03	0.000	0.000	0.000	0	0	0	2.550	10.380	0.000	0.000	0	0	20.00	0	0.000	0.0E+00	30.00	
LIA	828457	808727	1	Dry Season	HKE's Outfall	0.00	0.000	82.710	0.000	0	0	0	0.000	0.000	0.000	0.000	0	0	54.17	0	0.285	1.2E+00	81.66	
LIA	828457	808727	1	Wet Season	HKE's Outfall	0.00	0.000	82.710	0.000	0	0	0	0.000	0.000	0.000	0.000	0	0	54.17	0	0.285	1.2E+00	81.66	
BCF	813884	819245	1	Dry Season	BCF STW	0.02	2.500	10.000	2.500	0	0	0	40.000	0.000	2.000	9.000	0	0	20.00	1.5	0.030	1.0E+07	30.00	
BCF	813884	819245	1	Wet Season	BCF STW	0.02	2.500	10.000	2.500	0	0	0	40.000	0.000	2.000	9.000	0	0	20.00	1.5	0.030	1.0E+07	30.00	
SSW	814555	810762	1	Dry Season	Sam Shek Wan STW	0.04	0.000	0.000	0.000	0	0	0	0.000	0.000	0.000	0.000	0	0	20.00	0	0.000	1.0E+07	30.00	
SSW	814555	810762	1	Wet Season	Sam Shek Wan STW	0.04	0.000	0.000	0.000	0	0	0	0.000	0.000	0.000	0.000	0	0	20.00	0	0.000	1.0E+07	30.00	



Table 3 Other Loads from Typhoon Shelters and Marine Culture Zones

ID	Easting	Northing	Layer	Period	Description	FLOW (For discharges with 0 rows, the unit should be g/s)	absorbed ortho phosphate (gP/m3)	Detritus Carbon (DetC) (gC/m3)	Detritus Nitrogen (DetN) (gN/m3)	Detritus Phosphorus (DetP) (gP/m3)	Detritus Silica (DetSi) (gSi/m3)	Diatoms	Algae (non-Diatoms) (gC/m3)	Ammonium (NH4) (gN/m3)	Nitrate (NO3) (gN/m3)	Ortho-Phosphate (PO4) (gP/m3)	dissolved Silica (Si) (gSi/m3)	Water Temperature (°C)	Salinity	carbonaceous BOD (first pool) at 5 days (gO2/m3)	Dissolved Oxygen (g/m3)	Copper (Cu) (g/m3)	MPN/m3	E. Coli bacteria	Inorganic matter (IM) (gDM/m3)
							'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'OXY'	'Cu'	'EColi'	'IMT'	
TS1	841384	816100		1	Dry Season	Shau Kei Wan Typhoon Shelter	0	0.003	0	0.003	0	0	0	0.058	0	0.009	0.015	0	0	0.48	0	0.000275	4.95E+04	0.461	
TS1	841384	816100		1	Wet Season	Shau Kei Wan Typhoon Shelter	0	0.003	0	0.003	0	0	0	0.058	0	0.009	0.015	0	0	0.48	0	0.000275	4.95E+04	0.461	
TS2	842621	816263		1	Dry Season	Sam Ka Tsuen Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.015	0	0.002	0.004	0	0	0.13	0	0.00019	1.29E+04	0.120	
TS2	842621	816263		1	Wet Season	Sam Ka Tsuen Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.015	0	0.002	0.004	0	0	0.13	0	0.00019	1.29E+04	0.120	
TS4	837384	816359		1	Dry Season	Causeway Bay Typhoon Shelter	0	0.004	0	0.004	0	0	0	0.069	0	0.011	0.018	0	0	0.58	0	0.00090	5.95E+04	0.553	
TS4	837384	816359		1	Wet Season	Causeway Bay Typhoon Shelter	0	0.004	0	0.004	0	0	0	0.069	0	0.011	0.018	0	0	0.58	0	0.00090	5.95E+04	0.553	
TS5	815148	826611		1	Dry Season	Yau Ma Tei Typhoon Shelter	0	0.004	0	0.004	0	0	0	0.071	0	0.011	0.018	0	0	0.60	0	0.00093	6.14E+04	0.571	
TS5	815148	826611		1	Wet Season	Yau Ma Tei Typhoon Shelter	0	0.004	0	0.004	0	0	0	0.071	0	0.011	0.018	0	0	0.60	0	0.00093	6.14E+04	0.571	
TS6	829261	824755		1	Dry Season	Rambler Channel Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.014	0	0.002	0.004	0	0	0.12	0	0.00018	1.20E+04	0.111	
TS6	829261	824755		1	Wet Season	Rambler Channel Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.014	0	0.002	0.004	0	0	0.12	0	0.00018	1.20E+04	0.111	
TS7	829261	824755		1	Dry Season	Aberdeen Typhoon Shelter	0	0.008	0	0.008	0	0	0	0.150	0	0.024	0.039	0	0	1.26	0	0.00195	1.29E+05	1.206	
TS7	829261	824755		1	Wet Season	Aberdeen Typhoon Shelter	0	0.008	0	0.008	0	0	0	0.150	0	0.024	0.039	0	0	1.26	0	0.00195	1.29E+05	1.206	
TS12	843882	814435		1	Dry Season	Chai Wan Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.017	0	0.003	0.004	0	0	0.14	0	0.00022	1.46E+04	0.137	
TS12	843882	814435		1	Wet Season	Chai Wan Typhoon Shelter	0	0.001	0	0.001	0	0	0	0.017	0	0.003	0.004	0	0	0.14	0	0.00022	1.46E+04	0.137	
M18	848452	813918		1	Dry Season	Po Toi O Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.094	0	0.004	0.000	0	0	0.11	0	0.00000	0.00E+00	0.307	
M18	848452	813918		1	Wet Season	Po Toi O Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.094	0	0.004	0.000	0	0	0.11	0	0.00000	0.00E+00	0.307	
M20	844200	802291		1	Dry Season	Po Toi Marine Culture Zone	0	0.002	0	0.002	0	0	0	0.347	0	0.015	0.000	0	0	0.39	0	0.00000	0.00E+00	1.137	
M20	844200	802291		1	Wet Season	Po Toi Marine Culture Zone	0	0.002	0	0.002	0	0	0	0.347	0	0.015	0.000	0	0	0.39	0	0.00000	0.00E+00	1.137	
M21	831384	807554		1	Dry Season	Sok Kwan Wan Marine Culture Zone	0	0.002	0	0.002	0	0	0	0.268	0	0.011	0.000	0	0	0.30	0	0.00000	0.00E+00	0.879	
M21	831384	807554		1	Wet Season	Sok Kwan Wan Marine Culture Zone	0	0.002	0	0.002	0	0	0	0.268	0	0.011	0.000	0	0	0.30	0	0.00000	0.00E+00	0.879	
M22	831357	809068		1	Dry Season	Lo Tik Wan Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.114	0	0.005	0.000	0	0	0.13	0	0.00000	0.00E+00	0.372	
M22	831357	809068		1	Wet Season	Lo Tik Wan Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.114	0	0.005	0.000	0	0	0.13	0	0.00000	0.00E+00	0.372	
M24	823843	823848		1	Dry Season	Ma Wan Marine Culture Zone	0	0.003	0	0.003	0	0	0	0.526	0	0.022	0.000	0	0	0.59	0	0.00000	0.00E+00	1.728	
M24	823843	823848		1	Wet Season	Ma Wan Marine Culture Zone	0	0.003	0	0.003	0	0	0	0.526	0	0.022	0.000	0	0	0.59	0	0.00000	0.00E+00	1.728	
M26	818686	810697		1	Dry Season	Cheung Sha Wan Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.168	0	0.008	0.000	0	0	0.22	0	0.00000	0.00E+00	0.644	
M26	818686	810697		1	Wet Season	Cheung Sha Wan Marine Culture Zone	0	0.001	0	0.001	0	0	0	0.168	0	0.008	0.000	0	0	0.22	0	0.00000	0.00E+00	0.644	

Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	TCOD (or discharges with flows, the unit should be g/s)	adsorbed ortho phosphate (gP/m <sup>3</sup> )	Detritus Carbon (DetC) (gC/m <sup>3</sup> )	Detritus Nitrogen (DetN) (gN/m <sup>3</sup> )	Detritus Phosphorus (DetP) (gP/m <sup>3</sup> )	Detritus Silica (DetSi) (gSi/m <sup>3</sup> )	Diatoms (gDIAT/m <sup>3</sup> )	Algae (non-Diatoms) (gC/m <sup>3</sup> )	Ammonium (NH4) (gN/m <sup>3</sup> )	Nitrate (NO3) (gN/m <sup>3</sup> )	Ortho-Phosphate (PO4) (gP/m <sup>3</sup> )	dissolved Silica (Si) (gSi/m <sup>3</sup> )	Water Temperature (ModTemp) (°C)	Salinity	carbonaceous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen (g/m <sup>3</sup> )	Copper (Cu) (g/m <sup>3</sup> )	E. Coli bacteria (MPN/m <sup>3</sup> )	Inorganic matter (IM1) (gDM/m <sup>3</sup> )
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'DOXY'	'Cu'	'EColi'	
Humen_Layer_1	767999	903233		1199612/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0	0.3	0.4466	1.399	0.0515	5.361	17.6	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199701/01-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0	0.3	0.4466	1.399	0.0457	5.361	15.8	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199701/01-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0	0.3	0.335	1.399	0.0457	5.361	15.9	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199703/02-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0	0.3	0.2233	1.399	0.0457	5.361	18.5	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199704/01-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	1.399	0.0457	5.361	22.2	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199705/01-14:24:00	335	0.0282	1.659	0.1671	0.0282	0.1165	0	0.15	0.1117	1.399	0.0457	5.361	25.9	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199705/16-16:48:00	511.1	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0447	1.224	0.0457	5.011	25.9	0	0	5	0.00449	22.62	10
Humen_Layer_1	767999	903233		1199705/31-16:48:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0223	1.224	0.0457	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_1	767999	903233		1199707/01-00:00:00	158.9	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_1	767999	903233		1199707/20-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_1	767999	903233		1199708/14-21:36:00	335	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199709/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.2233	2.098	0.0686	5.361	21.4	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199710/29-00:00:00	158.9	0.0564	4.424	0.2228	0.0282	0.1165	0	0.3	0.335	1.632	0.0572	5.361	17.6	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199711/28-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0	0.3	0.4466	1.399	0.0457	5.361	17.6	0	0	5	0.00449	11.31	30
Humen_Layer_1	767999	903233		1199801/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0	0.3	0.4466	1.399	0.0515	5.361	15.8	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199612/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0	0.3	0.4466	1.399	0.0515	5.361	17.6	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199707/01-00:00:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0335	1.666	0.0572	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/30-21:36:00	335	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199708/14-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199709/30-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199709/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199705/31-16:48:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0223	1.224	0.0457	5.011	27.8	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/01-00:00:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0335	1.666	0.0572	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/30-21:36:00	511.1	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199708/14-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199709/30-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199709/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199705/31-16:48:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0223	1.224	0.0457	5.011	27.8	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/01-00:00:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0335	1.666	0.0572	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/30-21:36:00	511.1	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199708/14-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199709/30-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199709/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199705/31-16:48:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0223	1.224	0.0457	5.011	27.8	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/01-00:00:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0335	1.666	0.0572	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/30-21:36:00	511.1	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199708/14-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199709/30-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199709/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0	5	0.00449	11.31	30
Humen_Layer_2	767999	903233		2199705/31-16:48:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0223	1.224	0.0457	5.011	27.8	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/01-00:00:00	687.2	0.0168	1.106	0.0557	0.0168	0.1165	0	0.15	0.0335	1.666	0.0572	5.011	30.3	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199707/30-21:36:00	511.1	0.0168	1.106	0.0557	0.0168	0.1165	0	1	0.0223	1.666	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199708/14-21:36:00	335	0.0168	1.659	0.0557	0.0168	0.1165	0	1	0.0223	1.748	0.0457	5.011	31	0	0	5	0.00449	22.62	10
Humen_Layer_2	767999	903233		2199709/30-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0	0.3	0.1117	2.331	0.0457	5.361	29.5	0	0				

Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	Flow (T or discharges with flows, the unit should be g/s)	adsorbed ortho phosphate (gP/m <sup>3</sup> )	Detritus Carbon (DetC) (gC/m <sup>3</sup> )	Detritus Nitrogen (DetN) (gN/m <sup>3</sup> )	Detritus Phosphorus (DetP) (gP/m <sup>3</sup> )	Detritus Silica (DetSi) (gSi/m <sup>3</sup> )	Diatoms	Algae (non-Diatoms) (gC/m <sup>3</sup> )	Ammonium (NH4) (gN/m <sup>3</sup> )	Nitrate (NO3) (gN/m <sup>3</sup> )	Ortho-Phosphate (PO4) (gP/m <sup>3</sup> )	dissolved Silica (Si) (gSi/m <sup>3</sup> )	Water Temperature (°C)	Salinity	carboneous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen (g/m <sup>3</sup> )	Copper (Cu) (g/m <sup>3</sup> )	E. Coli bacteria (MPN/m <sup>3</sup> )	Inorganic matter (IM1) (gDM/m <sup>3</sup> )
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'tOXY'	'Cu'	'EColi'	'IM1'
Humen Layer 4	767999	903233		1	1997/05/16-16:48:00	511.1	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	25.9	0	5	0.00449	226.2	10	
Humen Layer 4	767999	903233		2	1997/05/31-16:48:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	27.8	0	5	0.00449	226.2	10	
Humen Layer 4	767999	903233		3	1997/07/01-00:00:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	30.3	0	5	0.00449	226.2	10	
Humen Layer 4	767999	903233		4	1997/07/30-21:36:00	511.1	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	31	0	5	0.00449	226.2	10	
Humen Layer 4	767999	903233		5	1997/08/14-21:36:00	335	0.1668	1.659	0.0557	0.1668	0.1165	0.1	0.0223	1.748	0.0457	5.011	31	0	5	0.00449	226.2	10	
Humen Layer 4	767999	903233		6	1997/08/30-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 4	767999	903233		7	1997/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 4	767999	903233		8	1997/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 4	767999	903233		9	1997/10/29-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0.3	0.335	1.632	0.0572	5.361	21.4	0	5	0.00449	11.31	30	
Humen Layer 4	767999	903233		10	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 4	767999	903233		11	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		12	1997/01/01-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0457	5.361	15.8	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		13	1997/01/31-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.335	1.399	0.0457	5.361	15.8	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		14	1997/03/02-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.2233	1.399	0.0457	5.361	18.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		15	1997/03/14-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0.3	0.1117	1.399	0.0457	5.361	22.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		16	1997/05/01-14:24:00	335	0.0282	1.659	0.0282	0.1668	0.1165	0.15	0.1117	1.399	0.0457	5.361	25.9	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		17	1997/05/16-16:48:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	25.9	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		18	1997/05/31-16:48:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	27.8	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		19	1997/07/30-21:36:00	511.1	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	30.3	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		20	1997/08/14-21:36:00	335	0.1668	1.659	0.0557	0.1668	0.1165	0.1	0.0223	1.748	0.0457	5.011	31	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		21	1997/08/30-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		22	1997/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		23	1997/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		24	1997/10/29-00:00:00	158.9	0.0677	4.424	0.2228	0.0282	0.1165	0.3	0.2233	2.098	0.0686	5.361	25.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		25	1997/10/29-00:00:00	158.9	0.0677	4.424	0.2228	0.0282	0.1165	0.3	0.2233	2.098	0.0686	5.361	25.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		26	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		27	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		28	1998/01/31-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.335	1.399	0.0457	5.361	15.8	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		29	1998/03/02-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.2233	1.399	0.0457	5.361	18.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		30	1998/03/14-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0.3	0.1117	1.399	0.0457	5.361	22.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		31	1998/05/01-14:24:00	335	0.0282	1.659	0.0282	0.1668	0.1165	0.15	0.1117	1.224	0.0457	5.011	25.9	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		32	1998/05/16-16:48:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	27.8	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		33	1998/07/30-21:36:00	511.1	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	30.3	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		34	1998/08/14-21:36:00	335	0.1668	1.659	0.0557	0.1668	0.1165	0.1	0.0223	1.748	0.0457	5.011	31	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		35	1998/08/30-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		36	1998/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		37	1998/09/14-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		38	1998/10/29-00:00:00	158.9	0.0677	4.424	0.2228	0.0282	0.1165	0.3	0.2233	2.098	0.0686	5.361	25.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		39	1998/10/29-00:00:00	158.9	0.0677	4.424	0.2228	0.0282	0.1165	0.3	0.2233	2.098	0.0686	5.361	25.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		40	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		41	1998/01/01-00:00:00	158.9	0.0508	4.424	0.2228	0.0282	0.1165	0.3	0.4466	1.399	0.0515	5.361	17.6	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		42	1998/01/31-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.335	1.399	0.0457	5.361	15.8	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		43	1998/03/02-00:00:00	158.9	0.0452	4.424	0.2228	0.0282	0.1165	0.3	0.2233	1.399	0.0457	5.361	18.5	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		44	1998/03/14-00:00:00	158.9	0.0282	4.424	0.2228	0.0282	0.1165	0.3	0.1117	1.399	0.0457	5.361	22.2	0	5	0.00449	11.31	30	
Humen Layer 5	767999	903233		45	1998/05/01-14:24:00	335	0.0282	1.659	0.0282	0.1668	0.1165	0.15	0.1117	1.224	0.0457	5.011	25.9	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		46	1998/05/16-16:48:00	687.2	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	27.8	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		47	1998/07/30-21:36:00	511.1	0.1668	1.106	0.0557	0.1668	0.1165	0.15	0.0335	1.224	0.0457	5.011	30.3	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		48	1998/08/14-21:36:00	335	0.1668	1.659	0.0557	0.1668	0.1165	0.1	0.0223	1.748	0.0457	5.011	31	0	5	0.00449	226.2	10	
Humen Layer 5	767999	903233		49	1998/08/30-00:00:00	158.9	0.0282	4.424	0.1114	0.0282	0.1165	0.3	0.1117	2.331	0.0457	5.361	29.5	0	5	0.00449			

Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	Flow (m³/s) (for discharges with flows, the unit should be (m³/s))	adsorbed ortho phosphate (gP/m³)	Detritus Carbon (DetC) (gC/m³)	Detritus Nitrogen (DetN) (gN/m³)	Detritus Phosphorus (DetP) (gP/m³)	Detritus Silica (DetSi) (gSi/m³)	Diatoms	Algae (non-Diatoms) (gC/m³)	Ammonium (NH4) (gN/m³)	Nitrate (NO3) (gN/m³)	Ortho-Phosphate (PO4) (gP/m³)	dissolved Silica (Si) (gSi/m³)	Water Temperature (°C)	Salinity	carbonaceous BOD (first pool) at 5 days (gO2/m³)	Dissolved Oxygen (g/m³)	Copper (Cu) (g/m³)	E. Coli bacteria (MPN/m³)	Inorganic matter (IM1) (gDM/m³)
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'OXY'	'Cu'	'EColi'	
Jiaomen Layer 2	758268	876128		21997/10/09-00:00:00	139.9	0.0662	4.364	0.1641	0.0276	0.1134	0	0.3	0.3295	2.041	0.0672	5.216	25.2	0	5	0.0046	11.11	30	
Jiaomen Layer 2	758268	876128		21997/11/29-00:00:00	139.9	0.0552	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.587	0.056	5.216	21.4	0	5	0.0046	11.11	30	
Jiaomen Layer 2	758268	876128		21997/07/10-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 2	758268	876128		21998/01/01-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21996/12/01-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/07/01-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0448	5.216	15.8	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/03/02-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.361	0.0448	5.216	15.8	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/04/01-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.1098	1.361	0.0448	5.216	15.8	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/05/01-14:24:00	313.5	0.0275	1.637	0.1641	0.0275	0.1134	0	0.15	0.1098	1.361	0.0448	5.216	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/05/16-16:48:00	487.1	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.0439	1.191	0.0448	4.876	25.9	0	5	0.0046	222.3	10	
Jiaomen Layer 3	758268	876128		21997/05/31-16:48:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.056	4.876	30.3	0	5	0.0046	222.3	10	
Jiaomen Layer 3	758268	876128		21997/07/01-00:00:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.056	4.876	30.3	0	5	0.0046	222.3	10	
Jiaomen Layer 3	758268	876128		21997/07/30-21:36:00	487.1	0.0164	1.091	0.0547	0.0164	0.1134	0	1	0.022	1.134	0.0448	4.876	31	0	5	0.0046	222.3	10	
Jiaomen Layer 3	758268	876128		21997/08/14-21:36:00	313.5	0.0164	1.091	0.0547	0.0164	0.1134	0	1	0.022	1.701	0.0448	4.876	31	0	5	0.0046	222.3	10	
Jiaomen Layer 3	758268	876128		21997/09/14-00:00:00	139.9	0.0275	4.364	0.1094	0.0275	0.1134	0	0.3	0.1098	2.268	0.0448	5.216	29.5	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/09/30-00:00:00	139.9	0.0275	4.364	0.1094	0.0275	0.1134	0	0.3	0.1098	2.268	0.0448	5.216	29.5	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/09/14-00:00:00	139.9	0.0275	4.364	0.1094	0.0275	0.1134	0	0.3	0.1098	2.268	0.0448	5.216	29.5	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/10/29-00:00:00	139.9	0.0662	4.364	0.1641	0.0276	0.1134	0	0.3	0.3295	2.041	0.0672	5.216	25.2	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/10/29-00:00:00	139.9	0.0552	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.587	0.056	5.216	21.4	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21997/11/28-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 3	758268	876128		21998/01/01-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		21996/12/01-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31996/12/01-00:00:00	139.9	0.0497	4.364	0.2188	0.0276	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/01/01-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.361	0.0448	5.216	15.8	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/01/31-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.361	0.0448	5.216	15.8	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/03/02-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.2197	1.361	0.0448	5.216	18.5	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/04/01-00:00:00	139.9	0.0275	4.364	0.1641	0.0275	0.1134	0	0.15	0.1098	1.361	0.0448	5.216	22.2	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/05/01-14:24:00	313.5	0.0275	1.637	0.1641	0.0275	0.1134	0	0.15	0.1098	1.361	0.0448	5.216	22.2	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/05/16-16:48:00	487.1	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.0439	1.191	0.0448	4.876	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/05/31-16:48:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.0448	4.876	27.8	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/07/01-00:00:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.0448	4.876	30.3	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/07/30-21:36:00	487.1	0.0164	1.091	0.0547	0.0164	0.1134	0	1	0.022	1.34	0.056	4.876	31	0	5	0.0046	222.3	10	
Jiaomen Layer 4	758268	876128		31997/08/14-21:36:00	313.5	0.0164	1.091	0.0547	0.0164	0.1134	0	1	0.022	1.701	0.0448	4.876	31	0	5	0.0046	222.3	10	
Jiaomen Layer 4	758268	876128		31997/09/14-00:00:00	139.9	0.0275	4.364	0.1094	0.0275	0.1134	0	0.3	0.1098	2.268	0.0448	5.216	29.5	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/09/30-00:00:00	139.9	0.0662	4.364	0.1641	0.0276	0.1134	0	0.3	0.3295	2.041	0.0672	5.216	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/10/29-00:00:00	139.9	0.0552	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.587	0.056	5.216	21.4	0	5	0.0046	11.11	30	
Jiaomen Layer 4	758268	876128		31997/11/28-00:00:00	139.9	0.0497	4.364	0.2188	0.0275	0.1134	0	0.3	0.4394	1.361	0.0504	5.216	17.6	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		21997/03/02-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.361	0.0448	5.216	15.9	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/03/02-00:00:00	139.9	0.0441	4.364	0.2188	0.0276	0.1134	0	0.3	0.3295	1.361	0.0448	5.216	15.9	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/04/01-00:00:00	139.9	0.0275	4.364	0.1641	0.0275	0.1134	0	0.3	0.1098	1.361	0.0448	5.216	22.2	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/05/01-14:24:00	313.5	0.0275	1.637	0.1641	0.0275	0.1134	0	0.15	0.1098	1.361	0.0448	5.216	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/05/16-16:48:00	487.1	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.0439	1.191	0.0448	4.876	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/05/31-16:48:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.0448	4.876	25.9	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/07/01-00:00:00	660.7	0.0164	1.091	0.0547	0.0164	0.1134	0	0.15	0.033	1.134	0.0448	4.876	27.8	0	5	0.0046	11.11	30	
Jiaomen Layer 5	758268	876128		31997/07/30-21:36:00	487.1	0.0164	1.091	0.0															

Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	Flow (for discharges with flows, the unit should be m³/s)	adsorbed ortho phosphate (gP/m³)	Detritus Carbon (DetC) (gC/m³)	Detritus Nitrogen (DetN) (gN/m³)	Detritus Phosphorus (DetP) (gP/m³)	Detritus Silica (DetSi) (gSi/m³)	Diatoms	Algae (non-Diatoms)	Ammonium (NH4) (gN/m³)	Nitrate (NO3) (gN/m³)	Ortho-Phosphate (PO4) (gP/m³)	dissolved Silica (Si) (gSi/m³)	Water Temperature (°C)	Salinity	carbonaceous BOD (first pool) at 5 days (gO2/m³)	Dissolved Oxygen (g/m³)	Copper (Cu) (g/m³)	E. Coli bacteria (MPN/m³)	Inorganic matter (IM1) (gDM/m³)
	Hongqili Layer 1	759538	866774	11997/03/02-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	25.2	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/04/01-00:00:00	44.9	0.0271	4.369	0.2191	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	22.2	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/05/01-14:24:00	114.6	0.0271	1.638	0.1643	0.0271	0.1129	0	0.15	0.0439	1.186	0.0449	4.857	25.9	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/05/16-16:48:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	27.8	0	5	0.00455	22.15	10	
	Hongqili Layer 1	759538	866774	11997/05/31-16:48:00	254	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	30.3	0	5	0.00455	22.15	10	
	Hongqili Layer 1	759538	866774	11997/07/01-00:00:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	31	0	5	0.00455	22.15	10	
	Hongqili Layer 1	759538	866774	11997/08/14-21:36:00	114.6	0.0161	1.638	0.0548	0.0161	0.1129	0	0.1	0.022	1.186	0.0449	4.857	31	0	5	0.00455	22.15	10	
	Hongqili Layer 1	759538	866774	11997/08/30-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	2.259	0.0449	5.196	29.5	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/09/14-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	2.259	0.0449	5.196	29.5	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/10/29-00:00:00	44.9	0.0543	4.369	0.2191	0.0272	0.1129	0	0.3	0.3236	2.033	0.0673	5.196	25.2	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11997/11/29-00:00:00	44.9	0.0489	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 1	759538	866774	11998/01/01-00:00:00	44.9	0.0489	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/20/1-00:00:00	44.9	0.0489	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/01/01-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/01/31-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/03/02-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	18.5	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/04/01-00:00:00	44.9	0.0271	4.369	0.2191	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	22.2	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/05/01-14:24:00	114.6	0.0271	1.638	0.1643	0.0271	0.1129	0	0.15	0.0439	1.186	0.0449	4.857	25.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	219967/05/16-16:48:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	27.8	0	5	0.00455	22.15	10	
	Hongqili Layer 2	759538	866774	219967/05/31-16:48:00	254	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	27.8	0	5	0.00455	22.15	10	
	Hongqili Layer 2	759538	866774	21997/07/01-00:00:00	254	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	30.3	0	5	0.00455	22.15	10	
	Hongqili Layer 2	759538	866774	21997/07/30-21:36:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	31	0	5	0.00455	22.15	10	
	Hongqili Layer 2	759538	866774	21997/08/14-21:36:00	114.6	0.0161	1.638	0.0548	0.0161	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	21997/08/30-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	21997/09/14-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	18.5	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	21997/09/30-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	21997/10/29-00:00:00	44.9	0.0543	4.369	0.2191	0.0272	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 2	759538	866774	21997/11/29-00:00:00	44.9	0.0271	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/03/02-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/04/01-00:00:00	44.9	0.0271	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/05/01-14:24:00	114.6	0.0271	1.638	0.1643	0.0271	0.1129	0	0.15	0.0439	1.186	0.0449	4.857	25.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/05/16-16:48:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	27.8	0	5	0.00455	22.15	10	
	Hongqili Layer 3	759538	866774	21997/05/31-16:48:00	254	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	30.3	0	5	0.00455	22.15	10	
	Hongqili Layer 3	759538	866774	21997/07/01-00:00:00	254	0.0161	1.092	0.0548	0.0161	0.1129	0	0.15	0.022	1.186	0.0449	4.857	31	0	5	0.00455	22.15	10	
	Hongqili Layer 3	759538	866774	21997/07/30-21:36:00	184.3	0.0161	1.092	0.0548	0.0161	0.1129	0	0.1	0.022	1.186	0.0449	4.857	31	0	5	0.00455	22.15	10	
	Hongqili Layer 3	759538	866774	21997/08/14-21:36:00	114.6	0.0161	1.638	0.0548	0.0161	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/08/30-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/09/14-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/09/30-00:00:00	44.9	0.0271	4.369	0.2191	0.0272	0.1129	0	0.3	0.3236	1.355	0.0449	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/10/29-00:00:00	44.9	0.0543	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21997/11/29-00:00:00	44.9	0.0271	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0449	5.196	15.9	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21998/01/01-00:00:00	44.9	0.0489	4.369	0.2191	0.0272	0.1129	0	0.3	0.4395	1.355	0.0505	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21998/01/31-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	17.6	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21998/03/02-00:00:00	44.9	0.0435	4.369	0.2191	0.0272	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	18.5	0	5	0.00455	11.07	30	
	Hongqili Layer 3	759538	866774	21998/04/01-00:00:00	44.9	0.0271	4.369	0.1096	0.0271	0.1129	0	0.3	0.1099	1.355	0.0449	5.196	22.2	0	5	0			



Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	Flow (for discharges with flows, the unit should be (m³/s))	adsorbed ortho phosphate (gP/m³)	Detritus Carbon (DetC) (gC/m³)	Detritus Nitrogen (DetN) (gN/m³)	Detritus Phosphorus (DetP) (gP/m³)	Detritus Silica (DetSi) (gSi/m³)	Diatoms (gC/m³)	Algae (non-Diatoms) (gC/m³)	Ammonium (NH4) (gN/m³)	Nitrate (NO3) (gN/m³)	Ortho-Phosphate (PO4) (gP/m³)	dissolved Silica (Si) (gSi/m³)	Water Temperature (°C) (°C)	Salinity (Salinity)	carbonaceous BOD (first pool) at 5 days (CBOD5) (gO2/m³)	Dissolved Oxygen (DOXY) (g/m³)	Copper (Cu) (g/m³)	(MPN/m³)	(gDM/m³)
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'DOXY'	'Cu'	'EColi'	'gDM'
Hengmen Layer 3	755610	852782		21997/08/14-21:36:00	88.1	0.0498	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0498	5.136	17.6	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/07/01-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0443	5.136	15.8	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/01/31-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0443	5.136	15.9	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/03/02-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0443	5.136	18.5	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/04/01-00:00:00	88.1	0.0276	4.369	0.2189	0.0276	0.1117	0	0.3	0.1096	1.34	0.0443	5.136	22.2	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/05/01-14:24:00	202.3	0.0276	4.369	0.1642	0.0276	0.1117	0	0.15	0.1096	1.34	0.0443	5.136	25.9	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/05/16-16:48:00	430.8	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.172	0.0443	4.801	27.8	0	5	0.00451	220.6		
Hengmen Layer 3	755610	852782		21997/05/31-16:48:00	430.8	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.172	0.0443	4.801	27.8	0	5	0.00451	220.6		
Hengmen Layer 3	755610	852782		21997/07/30-21:36:00	316.6	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.172	0.0443	4.801	31	0	5	0.00451	220.6		
Hengmen Layer 3	755610	852782		21997/08/14-21:36:00	202.3	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	31	0	5	0.00451	220.6		
Hengmen Layer 3	755610	852782		21997/08/30-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	28.5	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/09/14-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	28.5	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/10/29-00:00:00	88.1	0.0664	4.369	0.2189	0.0276	0.1117	0	0.3	0.2189	2.01	0.0664	5.136	21.4	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21997/11/28-00:00:00	88.1	0.0498	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0498	5.136	17.6	0	5	0.00451	11.03		
Hengmen Layer 3	755610	852782		21998/01/01-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.4384	1.34	0.0443	5.136	17.6	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/01/31-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.2189	1.34	0.0443	5.136	18.5	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/03/02-00:00:00	88.1	0.0442	4.369	0.2189	0.0276	0.1117	0	0.3	0.2189	1.34	0.0443	5.136	18.5	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/04/01-00:00:00	88.1	0.0276	4.369	0.2189	0.0276	0.1117	0	0.3	0.1096	1.34	0.0443	5.136	22.2	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/05/01-14:24:00	202.3	0.0276	4.369	0.1642	0.0276	0.1117	0	0.3	0.1096	1.34	0.0443	5.136	25.9	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/05/16-16:48:00	430.8	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	27.8	0	5	0.00451	220.6		
Hengmen Layer 4	755610	852782		31997/05/31-16:48:00	430.8	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	27.8	0	5	0.00451	220.6		
Hengmen Layer 4	755610	852782		31997/07/30-21:36:00	316.6	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	31	0	5	0.00451	220.6		
Hengmen Layer 4	755610	852782		31997/08/14-21:36:00	202.3	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	31	0	5	0.00451	220.6		
Hengmen Layer 4	755610	852782		31997/08/30-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	2.233	0.0443	5.136	28.5	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/09/14-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	2.233	0.0443	5.136	28.5	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/10/29-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	2.01	0.0664	5.136	21.4	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31997/11/28-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	2.01	0.0664	5.136	21.4	0	5	0.00451	11.03		
Hengmen Layer 4	755610	852782		31998/01/01-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	30.3	0	5	0.00451	220.6		
Hengmen Layer 5	755610	852782		31997/01/31-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	30.3	0	5	0.00451	220.6		
Hengmen Layer 5	755610	852782		31997/03/02-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	30.3	0	5	0.00451	220.6		
Hengmen Layer 5	755610	852782		31997/04/01-00:00:00	88.1	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	30.3	0	5	0.00451	220.6		
Hengmen Layer 5	755610	852782		31997/05/01-14:24:00	202.3	0.0166	1.092	0.0547	0.0166	0.1117	0	0.15	0.0219	1.675	0.0443	4.801	31	0	5	0.00451	220.6		
Hengmen Layer 5	755610	852782		31997/05/16-16:48:00	430.8	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/05/31-16:48:00	430.8	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/07/30-21:36:00	316.6	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/08/14-21:36:00	202.3	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/08/30-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/09/14-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/10/29-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.01	0.0664	5.136	25.2	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31997/11/28-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.01	0.0664	5.136	25.2	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31998/01/01-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.01	0.0664	5.136	25.2	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31998/01/31-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31999/01/31-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31999/03/02-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5	0	5	0.00451	11.03		
Hengmen Layer 5	755610	852782		31999/04/01-00:00:00	88.1	0.0276	4.369	0.1096	0.0276	0.1117	0	0.3	0.1096	2.233	0.0443	5.136	29.5						





Table 4. Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	TCV (for discharges with flows, the unit should be g/s)	adsorbed ortho phosphate (gP/m <sup>3</sup> )	Detritus Carbon (DetC) (gC/m <sup>3</sup> )	Detritus Nitrogen (DetN) (gN/m <sup>3</sup> )	Detritus Phosphorus (DetP) (gP/m <sup>3</sup> )	Detritus Silica (DetSi) (gSi/m <sup>3</sup> )	Diatoms (gC/m <sup>3</sup> )	Algae (non-Diatoms) (gC/m <sup>3</sup> )	Ammonium (NH4) (gN/m <sup>3</sup> )	Nitrate (NO3) (gN/m <sup>3</sup> )	Ortho-Phosphate (PO4) (gP/m <sup>3</sup> )	dissolved Silica (Si) (gSi/m <sup>3</sup> )	Water Temperature (°C)	Salinity	carbonaceous BOD (first pool) at 5 days (gO2/m <sup>3</sup> )	Dissolved Oxygen (g/m <sup>3</sup> )	Copper (Cu) (g/m <sup>3</sup> )	E. Coli bacteria (MPN/m <sup>3</sup> )	Inorganic matter (IM1) (gDM/m <sup>3</sup> )
						'AAP'	'DetC'	'DetN'	'DetP'	'DetSi'	'DIAT'	'GREEN'	'NH4'	'NO3'	'PO4'	'Si'	'ModTemp'	'Salinity'	'CBOD5'	'DOXY'	'Cu'	'EColi'	'IM1'
Deep Bay Layer 4	826520	842053		31997/10/29-00:00:00	0.5	0.05	4	0.2	0.025	0.1	0	0.3	0.4	1.4	0.05	4.6	21.4	0	5	0.004	0	30	
Deep Bay Layer 4	826520	842053		31997/11/28-00:00:00	0.5	0.045	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.045	4.6	17.6	0	5	0.004	0	10	
Deep Bay Layer 4	826520	842053		31998/01/01-00:00:00	0.5	0.045	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.045	4.6	15.8	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/01/01-00:00:00	0.5	0.04	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.04	4.6	15.8	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/01/01-00:00:00	0.5	0.04	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.04	4.6	15.8	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/03/02-00:00:00	0.5	0.04	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.04	4.6	18.5	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/04/01-00:00:00	0.5	0.025	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.04	4.6	22.2	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/05/01-14:24:00	1.37	0.025	1.5	0.15	0.015	0.1	0	0.15	0.04	1.2	0.04	4.6	25.9	0	5	0.004	0	200	
Deep Bay Layer 5	826520	842053		31997/05/16-16:48:00	2.23	0.015	1	0.05	0.015	0.1	0	0.15	0.04	1.05	0.04	4.3	27.8	0	5	0.004	0	200	
Deep Bay Layer 5	826520	842053		31997/07/01-16:48:00	3.1	0.015	1	0.05	0.015	0.1	0	0.15	0.03	1.05	0.05	4.3	30.3	0	5	0.004	0	200	
Deep Bay Layer 5	826520	842053		31997/07/30-21:36:00	2.23	0.015	1	0.05	0.015	0.1	0	0.1	0.02	1.1	0.04	4.3	31	0	5	0.004	0	200	
Deep Bay Layer 5	826520	842053		31997/08/14-21:36:00	1.37	0.015	1.5	0.05	0.015	0.1	0	0.1	0.02	1.5	0.04	4.3	31	0	5	0.004	0	200	
Deep Bay Layer 5	826520	842053		31997/08/30-00:00:00	0.5	0.025	4	0.1	0.025	0.1	0	0.3	0.1	2	0.04	4.6	29.5	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/09/14-00:00:00	0.5	0.025	4	0.1	0.025	0.1	0	0.3	0.2	2	0.04	4.6	29.5	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/10/09-00:00:00	0.5	0.06	4	0.15	0.025	0.1	0	0.3	0.2	1.8	0.06	4.6	25.2	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/11/28-00:00:00	0.5	0.045	4	0.2	0.025	0.1	0	0.3	0.4	1.4	0.05	4.6	21.4	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31997/11/28-00:00:00	0.5	0.045	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.045	4.6	17.6	0	5	0.004	0	10	
Deep Bay Layer 5	826520	842053		31998/01/01-00:00:00	0.5	0.045	4	0.2	0.025	0.1	0	0.3	0.4	1.2	0.045	4.6	15.8	0	5	0.004	0	10	
Maogiang	789486	867253		11996/11/21-00:00:00	0	0.21	0	2.587	0.21	0	0	0	11.41	0.9094	4.802	7.958	0	0	24.59	0	0.04849	196	537.1
Maogiang	789486	867253		11997/05/16-16:48:00	0	0.21	0	2.587	0.21	0	0	0	11.41	0.9094	4.802	7.958	0	0	24.59	0	0.04849	196	537.1
Maogiang	789486	867253		11997/08/14-21:36:00	0	0.21	0	2.587	0.21	0	0	0	11.41	0.9094	4.802	7.958	0	0	24.59	0	0.04849	196	537.1
Maogiang	801978	846562		11996/04/05-00:00:00	0	0.21	0	2.587	0.21	0	0	0	11.41	0.9094	4.802	7.958	0	0	24.59	0	0.04849	196	537.1
Xixiang	801978	846562		11997/05/16-16:48:00	0	0.03828	0	2.1	0.03828	0	0	0.2	7.064	0.5429	0.667	3.932	0	0	11.16	0	0.03596	4.35	53.59
Xixiang	801978	846562		11997/08/14-21:36:00	0	0.03828	0	2.1	0.03828	0	0	0.2	7.064	0.5429	0.667	3.932	0	0	11.16	0	0.03596	4.35	53.59
Xixiang	801978	846562		11998/04/05-00:00:00	0	0.03828	0	2.1	0.03828	0	0	0.2	7.064	0.5429	0.667	3.932	0	0	11.16	0	0.03596	4.35	53.59
Nanshan	806289	844192		11996/11/21-00:00:00	0	1.063	0	14.15	1.063	0	0	0.2	64.26	4.211	2.587	29.46	0	0	156.6	0	0.1427	211.1	845.6
Nanshan	806289	844192		11997/08/14-21:36:00	0	1.063	0	14.15	1.063	0	0	0.2	64.26	4.211	2.587	29.46	0	0	156.6	0	0.1427	211.1	845.6
Nanshan	806289	844192		11998/04/05-00:00:00	0	1.063	0	14.15	1.063	0	0	0.2	64.26	4.211	2.587	29.46	0	0	156.6	0	0.1427	211.1	845.6
Nanshan	806524	835758		11996/11/21-00:00:00	0	1.55	0	21.08	1.55	0	0	0.2	26.64	63.97	9.03	10.81	0	0	326.37	0	0.34	9590000	187.48
Chi Wan	806524	835758		11997/05/16-16:48:00	0	1.7	0	23.39	1.7	0	0	0.2	27.04	63.97	9.11	17.15	0	0	369.79	0	0.35	9590000	271.04
Chi Wan	806524	835758		11997/08/14-21:36:00	0	1.55	0	21.08	1.55	0	0	0.2	26.64	63.97	9.03	10.81	0	0	326.37	0	0.34	9590000	187.48
Chi Wan	806524	835758		11998/04/05-00:00:00	0	1.55	0	21.08	1.55	0	0	0.2	26.64	63.97	9.03	10.81	0	0	326.37	0	0.34	9590000	187.48
Seikou	810020	838375		11997/05/16-16:48:00	0	0.58	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Seikou	810020	838375		11997/08/14-21:36:00	0	0.58	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Seikou	810020	838375		11998/04/05-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Seikou	810020	838375		11996/04/05-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Dasha	812122	841130		11997/05/16-16:48:00	0	0.54	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Dasha	812122	841130		11997/05/16-16:48:00	0	0.54	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Dasha	812122	841130		11997/08/14-21:36:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Dasha	812122	841130		11998/04/05-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Nan Shan	814975	840417		11996/11/21-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.2	0	0.02	6150000	146.2
Nan Shan	814975	840417		11997/05/16-16:48:00	0	0.54	0	7.23	0.54	0	0	0.2	7.47	2.79	1.19	6.62	0	0	105.15	0	0.02	6150000	146.23
Nan Shan	814975	840417		11997/08/14-21:36:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.15	0	0.02	6150000	146.23
Nan Shan	814975	840417		11998/04/05-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.15	0	0.02	6150000	146.23
Nan Shan	814975	840417		11996/04/05-00:00:00	0	0.38	0	4.92	0.38	0	0	0.2	7.07	2.01	1.12	6.62	0	0	105.15	0	0.02	6150000	146.23
Jinxiu Zhonghua	816229	841946		11997/05/16-16:48:00	0	3.23	0	42.58	3.23	0	0	0.2	58.97	53.45	12.22	7.64	0	0	576.8	0	0.24	42700000	482.6
Jinxiu Zhonghua	816229	841946		11997/08/14-21:36:00	0	3.23	0	42.58	3.23	0	0	0.2	58.97	53.45	12.22	7.64	0	0	576.8	0	0.24	42700000	482.6
Jinxiu Zhonghua	816229	841946		11998/04/05-00:00:00	0	3.23	0	42.58	3.23	0	0	0.2	58.97	53.45	12.22	7.64	0	0	576.8				

Table 4 Pearl River Delta Loads

ID	Easting	Northing	Layer	Period	TCV (or discharges with flows, the unit should be g/s)	adsorbed ortho phosphate	Detritus Carbon (DetC)	Detritus Nitrogen (DetN)	Detritus Phosphorus (DetP)	Detritus Silica (DetSi)	Diatoms	Algae (non-Diatoms)	Ammonium (NH4)	Nitrate (NO3)	Ortho-Phosphate (PO4)	dissolved Silica (Si)	Water Temperature	Salinity	carbonaceous BOD (first pool) at 5 days	Dissolved Oxygen	Copper (Cu)	E. Coli bacteria	Inorganic matter (IM1)
					(m3/s)	(gP/m3)	(gC/m3)	(gN/m3)	(gP/m3)	(gSi/m3)	(gC/m3)	(gC/m3)	(gN/m3)	(gN/m3)	(gP/m3)	(gSi/m3)	(oC)	(g/kg)	(gO2/m3)	(g/m3)	(g/m3)	(MPN/m3)	(gDM/m3)
Shenzhen	823887	840542		11997/08/14-21:36:00	0	4.88	0	67.62	4.88	0	0	0	79.17	179.1	25.05	45.1	0	0	1064	0	1.04	32400000	765.9
Shenzhen	823887	840542		11998/04/05-00:00:00	0	4.88	0	67.62	4.88	0	0	0	79.17	179.1	25.05	45.1	0	0	1064	0	1.04	32400000	765.9
Xiangzhou	775181	817500		11996/11/21-00:00:00	0	0.312	0	7.888	0.312	0	0	0	26.68	5.278	3.167	15.54	0	0	50.81	0	0.01172	218.1	235.5
Xiangzhou	775181	817500		11997/05/16-16:48:00	0	0.312	0	7.888	0.312	0	0	0	26.68	5.278	3.167	15.54	0	0	50.81	0	0.01172	218.1	235.5
Xiangzhou	775181	817500		11997/08/14-21:36:00	0	0.312	0	7.888	0.312	0	0	0	26.68	5.278	3.167	15.54	0	0	50.81	0	0.01172	218.1	235.5
Xiangzhou	775181	817500		11998/04/05-00:00:00	0	0.312	0	7.888	0.312	0	0	0	26.68	5.278	3.167	15.54	0	0	50.81	0	0.01172	218.1	235.5
Jida	777011	815235		11996/11/21-00:00:00	0	0.003132	0	1.346	0.003132	0	0	0	5.359	0.1357	0.3144	1.67	0	0	1.694	0	0.001473	8.758	17.98
Jida	777011	815235		11997/05/16-16:48:00	0	0.003132	0	1.346	0.003132	0	0	0	5.359	0.1357	0.3144	1.67	0	0	1.694	0	0.001473	8.758	17.98
Jida	777011	815235		11998/04/05-00:00:00	0	0.003132	0	1.346	0.003132	0	0	0	5.359	0.1357	0.3144	1.67	0	0	1.694	0	0.001473	8.758	17.98
Gongbei	774541	810492		11996/11/21-00:00:00	0	0.01694	0	1.496	0.01694	0	0	0	6.206	0.3178	0.2366	2.587	0	0	3.213	0	0.001473	44.31	43.73
Gongbei	774541	810492		11997/05/16-16:48:00	0	0.01694	0	1.496	0.01694	0	0	0	6.206	0.3178	0.2366	2.587	0	0	3.213	0	0.001473	44.31	43.73
Gongbei	774541	810492		11997/08/14-21:36:00	0	0.01694	0	1.496	0.01694	0	0	0	6.206	0.3178	0.2366	2.587	0	0	3.213	0	0.001473	44.31	43.73
Gongbei	774541	810492		11998/04/05-00:00:00	0	0.01694	0	1.496	0.01694	0	0	0	6.206	0.3178	0.2366	2.587	0	0	3.213	0	0.001473	44.31	43.73
Macau	773968	810225		11996/11/21-00:00:00	0	1.299	0	15.78	1.299	0	0	0	22.27	0	5.324	15.31	0	0	208.8	0	0.4872	14620000	170.5
Macau	773968	810225		11997/05/16-16:48:00	0	1.299	0	15.78	1.299	0	0	0	22.27	0	5.324	15.31	0	0	208.8	0	0.4872	14620000	170.5
Macau	773968	810225		11997/08/14-21:36:00	0	1.299	0	15.78	1.299	0	0	0	22.27	0	5.324	15.31	0	0	208.8	0	0.4872	14620000	170.5
Macau	773968	810225		11998/04/05-00:00:00	0	1.299	0	15.78	1.299	0	0	0	22.27	0	5.324	15.31	0	0	208.8	0	0.4872	14620000	170.5