WATER QUALITY DATA SHEET ON RAINY SEASON
FOR
SINO-JAPAN JOINT STUDY
ON
THE PEARL RIVER ESTUARY

SOUTH CHINA SEA ENVIRONMENTAL MONITORING CENTRE
OF
STATE OCEANIC ADMINISTRATION
SEPT 2000

WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
1	P02	2000	07	31	17	55	S	1.0	30.74	0.195	4.47	3.58	7.34	1.04	7.56	3.51	2089	65.4	31.8	3914	12.7
2							M	3.2	30.75	0.195	4.75	3.22	6.00	1.17	7.65	3.14	2222	106.4	33.2	3681	11.3
3							B	5.5	30.76	0.195	4.42	3.37	5.96	0.89	7.52	3.84	1955	70.1	52.4	4031	42.6
4	P03	2000	07	31	16	05	S	1.0	29.88	0.116	6.08	2.17	5.50	0.58	7.92	3.90	2079	106.4	87.2	2639	6.2
5							M														
6							B	3.0	29.87	0.116	5.94	2.36	4.56	1.01	7.83	3.15	2165	90.5	50.4	2902	33.6
7	P05	2000	07	31	18	58	S	1.0	30.25	1.170	5.23	2.85	5.46	0.59	7.41	5.93	1898	63.5	29.2	3138	22.9
8							M														
9							B	2.5	30.27	1.170	5.01	2.93	4.66	0.68	7.43	3.57	2051	70.1	29.2	3117	23.5
10	P06	2000	7	31	17	05	S	1.0	30.41	0.520	5.50	3.78	5.82	0.74	7.50	3.15	2098	85.3	34.8	3038	56.1
11							M	2.5	30.43	0.510	5.38	2.28	6.28	0.75	7.42	3.06	1860	106.4	37.1	3165	22.9
12							B	4.0	30.44	0.510	5.29	1.92	5.94	0.67	7.45	2.61	1936	106.4	36.8	2989	19.9
13	P07	2000	07	31	11	50	S	1.0	30.62	0.766	6.31	1.90	5.00	1.47	7.73	3.70	1974	74.7	25.9	2240	18.7
14							M	4.0	29.94	1.649	6.24	1.99	5.04	0.55	7.78	3.83	2022	71.4	57.7	2924	29.4
15							B	7.0	30.11	2.561	6.04	1.52	4.34	0.84	7.92	4.70	2852	61.5	48.1	2849	36.0
16	P08	2000	07	31	12	15	S	1.0	30.53	5.311	6.05	2.21	4.68	0.40	7.85	3.50	1503	107.7	28.9	2777	70.8
17							M	3.2	29.88	8.325	5.97	1.76	3.44	1.34	7.79	3.77	1774	63.5	31.2	2620	71.6
18							B	5.5	28.78	18.548	4.33	0.99	4.04	0.61	7.66	5.58	1080	56.2	34.8	1604	86.0
19	P09	2000	07	31	09	50	S	1.0	29.65	12.492	5.89	1.92	4.52	0.37	7.69	4.03	1095	185.1	39.5	2372	140.9
20							M	7.7	28.39	20.519	4.30	1.15	2.96	0.28	7.70	2.91	1213	103.8	49.4	2228	138.3
21							B	14.4	27.69	23.932	3.40	2.01	4.40	0.35	7.67	4.77	755	37.7	33.2	1138	86.9
22	P10	2000	07	31	08	00	S	1.0	30.47	6.600	5.33	4.80	11.06	2.22	7.72	4.05	1263	150.7	60.7	1198	148.0
23							M														
24							B	2.3	30.46	6.605	4.58	3.82	6.96	1.64	7.74	3.02	1000	91.2	77.6	1142	203.1

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Intensive point in spring tide

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
25	P13	2000	07	31	09	10	S	1.0	30.17	5.833	5.94	1.25	3.46	0.10*	7.74	4.07	1618	90.5	37.1	2486	87.1
26							M														
27							B	3.5	29.78	10.065	5.72	1.99	3.12	1.16	7.80	5.07	1774	96.5	38.1	2500	88.1
28	P14	2000	07	31	08	15	S	1.0	30.05	5.644	6.20	1.75	2.76	0.75	7.80	3.95	1679	73.4	45.8	3326	104.5
29							M	2.5	29.52	15.054	6.20	1.80	4.66	0.58	7.84	3.26	1717	95.8	40.8	2281	107.2
30							B	4.0	29.47	15.447	5.10	3.84	6.46	0.78	7.67	5.80	1633	115.0	44.8	1841	104.7
31	P15	2000	08	01	07	55	S	1.0	29.36	10.332	5.91	1.44	3.56	0.41	7.62	3.42	958	50.2	36.5	3821	71.0
32							M	3.2	28.92	18.218	5.40	1.45	2.96	0.75	7.61	5.64	1477	58.8	35.2	3374	72.2
33							B	5.5	28.89	18.499	4.08	2.36	3.76	0.73	7.56	6.59	1427	119.6	38.8	2602	63.5
34	P16	2000	08	01	09	17	S	1.0	29.25	12.235	5.20	2.14	3.86	1.12	7.60	5.23	1679	60.8	42.1	2874	125.5
35							M	6.2	26.05	32.114	3.86	1.47	2.52	0.82	7.69	4.27	534	48.2	17.6	706	38.0
36							B	11.3	25.97	32.307	3.47	1.42	2.76	0.58	7.70	5.68	656	59.5	22.2	755	37.2
37	P17	2000	08	01	07	10	S	1.0	29.31	13.478	5.59	1.39	3.92	0.77	7.73	4.31	1465	59.5	37.8	3692	72.2
38							M	2.9	28.71	19.142	5.53	0.95	3.96	1.56	7.66	3.22	1726	98.5	41.5	3564	89.3
39							B	4.8	28.70	19.183	5.09	1.54	2.66	0.73	7.60	3.87	935	141.4	40.1	2851	78.0
40	P18	2000	08	01	10	50	S	1.0	28.31	21.641	5.90	1.17	2.74	1.44	7.72	5.29	1156	47.6	29.9	2204	93.7
41							M	7.2	26.73	30.099	3.77	0.66	3.62	1.37	7.68	6.06	4664	60.8	20.2	1266	47.6
42							B	13.5	25.91	32.577	3.56	0.66	2.20	0.49	7.72	2.89	786	35.0	15.6	1083	39.2
43	P21	2000	08	01	09	05	S	1.0	29.22	18.028	6.34	0.88	2.64	0.90	7.72	4.40	1198	70.7	36.8	2780	98.7
44							M	4.2	28.26	24.564	6.11	0.87	1.74	0.47	7.71	4.22	1290	54.9	35.8	2347	98.7
45							B	7.3	27.53	27.794	4.82	0.68	3.20	0.59	7.69	5.18	1850	68.7	24.2	1328	59.5
46	P22	2000	08	01	13	10	S	1.0	29.16	23.728	6.62	0.74	5.90	0.77	7.81	5.87	1282	31.7	8.3	287	43.8
47							M	6.2	27.61	30.238	5.09	0.60	2.96	0.51	7.76	4.86	607	35.7	13.9	584	51.9
48							B	11.5	25.69	33.286	4.06	0.44	4.64	0.55	7.74	8.30	855	35.7	6.3	231	29.6

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
49	P23	2000	08	01	14	50	S	1.0	28.44	24.100	5.77	0.66	3.50	0.63	7.69	6.73	828	33.0	17.2	934	46.2
50							M	5.0	28.13	25.840	5.50	0.62	3.16	0.57	7.63	3.99	820	35.0	12.9	459	39.0
51							B	9.0	26.52	32.040	3.40	0.88	3.80	0.33	7.65	3.04	828	33.7	16.6	511	38.4
52	P24	2000	08	01	12	35	S	1.0	27.95	24.315	4.67	0.91	3.50	1.52	7.80	7.03	569	51.6	22.2	826	17.3
53							M	2.8	27.16	29.319	5.54	0.66	3.04	0.72	7.93	5.45	599	45.6	21.2	1205	19.3
54							B	4.7	25.65	31.307	4.24	0.74	4.30	0.53	7.74	6.04	1458	59.5	24.2	584	17.1
55	P25	2000	08	01	17	15	S	1.0	28.88	22.650	7.43	0.95	3.90	0.82	7.89	5.49	992	24.5	2.7	743	8.8
56							M	9.8	26.43	33.140	7.30	1.04	3.84	0.95	7.95	4.17	1171	29.1	2.0	621	11.3
57							B	18.5	24.43	33.940	5.67	0.80	3.28	0.75	7.85	4.76	404	28.4	3.3	1290	4.4
58	P26	2000	08	04	12	40	S	1.0	27.20	25.131	6.18	0.58	3.09	0.45	7.87	2.57	857	84.3	9.6	942	33.2
59							M	2.8	27.01	25.836	6.16	0.49	2.06	0.41	7.88	3.14	987	47.8	8.6	893	30.0
60							B	4.5	26.03	28.274	6.14	0.49	2.18	0.35	7.89	3.24	770	18.6	11.6	828	30.8

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								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
1	P02	2000	07	31	17	55	S	1634.5	16.7	0.043	3.3	34.9	0.51	0.03	3.0	0.012	0.1819	11.26	21	*: Half value of detection limit
2							M	879.0	11.8	0.077	2.1	31.3	0.43	0.08	2.3		0.1651	11.41	244	
3							B	637.6	17.8	0.074	2.7	34.8	0.60	0.35	1.8		0.1870	5.38	57	
4	P03	2000	07	31	16	05	S	1584.3	16.0	0.004*	3.0	49.4	4.90	0.03	2.3	0.014	0.1103	1.08	26	
5							M													
6							B	1486.9	9.6	0.018	3.0	29.9	4.88	0.83	1.7		0.1254	5.07	316	
7	P05	2000	07	31	18	58	S	1400.9	15.3	0.043	3.0	28.5	0.66	0.21	2.0	0.012	0.1238	4.92	198	
8							M													
9							B	1300.3	7.1	0.042	3.0	24.8	0.74	0.13	3.5		0.1536	4.96	138	
10	P06	2000	7	31	17	05	S	1347.8	7.8	0.021	1.2	39.5	0.24	0.08	2.3	0.018	0.1774	4.81	103	
11							M	1341.0	9.3	0.023	1.6	40.9	0.64	0.01	3.0		0.2620	11.95	219	
12							B	1377.2	7.8	0.044	1.2	26.1	0.48	0.01	3.5		0.2594	10.87	124	
13	P07	2000	07	31	11	50	S	1432.2	16.4	0.023	3.5	25.6	0.20	0.09	2.6	0.013	0.0584	4.42	102	
14							M	1392.2	7.1	0.032	2.8	24.0	0.54	0.13	2.4		0.0610	3.14	98	
15							B	1610.1	26.7	0.031	3.0	30.3	1.84	0.20	1.8		0.0462	1.60	170	
16	P08	2000	07	31	12	15	S	1359.7	20.7	0.016	3.4	46.1	2.57	0.30	1.8	0.047	0.0163	1.53	70	
17							M	1216.6	5.3	0.020	3.0	32.1	2.28	0.40	2.0		0.0130	1.53	62	
18							B	704.5	27.4	0.020	2.5	38.5	2.12	0.23	1.7		0.0242	0.73	5	
19	P09	2000	07	31	09	50	S	1032.8	10.7	0.034	3.4	39.0	0.84	0.17	2.6	0.018	0.0237	2.65	376	
20							M	955.4	32.8	0.034	2.8	27.7	0.84	0.17	2.7		0.0156	2.24	900	
21							B	480.0	63.4	0.036	1.4	33.8	0.55	0.13	2.0		0.0295	1.74	116	
22	P10	2000	07	31	08	00	S	1149.1	54.1	0.033	3.6	25.4	1.13	0.19	2.3	0.068	0.0383	9.96	44	
23							M													
24							B	980.2	94.0	0.020	2.9	32.0	4.14	0.17	1.7		0.0544	9.42	55	

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								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
25	P13	2000	07	31	09	10	S	1217.4	14.6	0.020	2.2	34.2	2.08	0.22	2.6	0.014	0.0184	1.47	50	
26							M													
27							B	1222.9	14.2	0.032	3.8	42.8	1.44	0.22	2.1		0.0243	1.41	60	
28	P14	2000	07	31	08	15	S	1167.5	29.6	0.014	1.6	59.3	2.14	0.38	2.8	0.019	0.0154	2.02	67	
29							M	1174.5	16.4	0.018	1.2	48.1	0.39	0.17	2.1		0.0128	2.37	71	
30							B	890.7	19.9	0.019	1.5	43.5	0.46	0.15	3.4		0.1047	1.98	0*	
31	P15	2000	08	01	07	55	S	374.7	34.5	0.016	1.6	28.2	0.60	0.21	1.3	0.015	0.0093	1.08	17	
32							M	968.8	36.3	0.025	1.3	36.5	0.80	0.24	1.2		0.0196	1.04	13	
33							B	948.2	15.3	0.031	0.8	42.8	1.38	0.57	5.2		0.1324	0.76	3	
34	P16	2000	08	01	09	17	S	775.6	19.6	0.014	1.2	29.4	0.76	0.18	1.0	0.017	0.0101	0.97	20	
35							M	171.7	27.8	0.027	1.2	39.5	0.19	0.10	1.8		0.0272	0.76	6	
36							B	325.5	36.0	0.033	0.9	42.8	0.80	0.17	1.3		0.0456	0.81	1	
37	P17	2000	08	01	07	10	S	1042.6	25.6	0.015	1.6	27.6	0.84	0.25	2.1	0.012	0.0106	0.83	45	
38							M	959.0	17.5	0.012	2.5	38.1	0.57	0.25	1.3		0.0103	1.21	31	
39							B	790.6	16.7	0.059	0.7	37.9	0.57	0.22	3.1		0.2095	0.94	99	
40	P18	2000	08	01	10	50	S	698.3	44.5	0.010	0.9	48.0	1.71	0.14	1.3	0.019	0.0021	1.66	44	
41							M	361.7	28.1	0.031	0.4	31.1	1.71	0.10	1.0		0.0071	0.96	91	
42							B	353.5	23.1	0.018	0.4	41.8	1.50	0.11	1.6		0.0197	0.66	145	
43	P21	2000	08	01	09	05	S	1102.6	11.0	0.021	1.1	14.7	1.25	0.18	1.7	0.015	0.0022	1.43	73	
44							M	714.6	32.4	0.023	0.8	34.9	0.50	0.22	2.0		0.0089	1.39	58	
45							B	1010.8	19.9	0.062	0.8	15.0	0.85	0.13	2.0		0.0409	1.43	58	
46	P22	2000	08	01	13	10	S	831.3	26.7	0.010	1.9	39.6	0.20	0.51	2.5	0.024	0.0102	8.88	600	
47							M	410.0	29.6	0.022	1.7	16.2	1.57	0.18	2.1		0.0059	4.73	2160	
48							B	816.2	27.1	0.041	0.4	12.9	0.41	0.08	1.3		0.0079	3.14	1884	

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								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
49	P23	2000	08	01	14	50	S	597.9	30.3	0.014	0.5	13.8	0.49	0.49	1.9	0.014	0.0425	2.55	1388	
50							M	807.9	42.7	0.016	0.4	17.2	0.04	0.20	2.0		0.0034	1.78	358	
51							B	705.2	42.0	0.020	0.3	17.7	0.48	0.10	2.1		0.0284	1.90	204	
52	P24	2000	08	01	12	35	S	295.5	31.0	0.038	0.8	39.3	0.35	0.25	1.6	0.010	0.0325	2.15	57	
53							M	220.3	29.9	0.032	1.1	16.8	0.27	0.26	2.5		0.0265	2.13	384	
54							B	319.0	47.4	0.030	0.9	18.5	0.03	0.24	2.8		0.0338	1.82	340	
55	P25	2000	08	01	17	15	S	964.9	26.7	0.027	0.6	2.9	0.51	0.21	1.9	0.012	0.0041	7.38	230	
56							M	1095.7	31.0	0.017	0.6	12.0	0.26	0.17	2.6		0.0063	11.26	316	
57							B	329.0	24.9	0.018	2.4	15.2	1.64	0.10	1.5		0.0027	2.77	582	
58	P26	2000	08	04	12	40	S	387.0	42.7	0.028	1.3	23.5	0.38	0.28	1.9	0.015	0.0075	4.44	378	
59							M	376.7	20.7	0.013	0.7	13.5	0.20	0.23	1.4		0.0036	4.46	356	
60							B	402.8	22.8	0.015	0.8	9.8	0.12	0.18	1.9		0.0033	3.05	120	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
1	P02	2000	08	07	07	20	S	1.0	29.17	0.474	5.46	2.15	3.07	1.58	7.84	5.13	2161	58.4	57.0	3525	21.8
2							M	4.2	29.24	1.039	5.45	1.83	5.86	1.30	7.66	3.96	2821	120.8	76.4	3469	59.3
3							B	7.3	28.41	9.311	5.25	1.88	2.47	0.82	7.53	4.52	2279	62.4	41.8	3096	76.2
4	P03	2000	08	07	09	25	S	1.0	29.13	0.111	5.12	3.84	4.45	2.21	7.93	4.57	3183	23.2	19.4	2827	61.7
5							M														
6							B	3.0	29.12	0.111	5.43	2.49	4.65	1.11	7.95	4.94	2387	28.5	22.5	2872	62.5
7	P05	2000	08	07	08	25	S	1.0	28.94	1.218	4.92	1.71	2.39	0.66	7.69	5.37	2297	44.5	29.4	3828	40.1
8							M	2.5	28.84	2.851	5.16	1.71	4.75	0.58	7.64	4.65	2369	41.1	35.6	3890	40.9
9							B	4.0	28.56	7.455	4.55	1.94	3.48	0.45	7.52	4.11	2224	43.8	37.7	3147	75.8
10	P06	2000	08	07	07	00	S	1.0	28.92	3.756	4.68	1.64	2.53	0.52	7.61	5.06	2306	49.1	32.1	3605	32.8
11							M	2.8	28.11	11.268	4.65	1.83	2.18	0.59	7.41	4.86	2098	41.8	38.4	3163	71.7
12							B	4.5	27.52	17.418	3.53	1.23	2.43	0.46	7.57	4.08	2007	124.8	66.0	1814	81.6
13	P07	2000	08	07	12	15	S	1.0	29.95	0.118	5.55	1.76	2.22	1.11	7.88	5.36	2613	34.5	30.4	2298	47.6
14							M	3.6	29.78	0.118	5.70	1.58	2.63	0.82	7.89	3.47	2731	32.5	29.0	2230	50.6
15							B	6.2	29.56	0.116	4.62	1.64	2.43	0.78	7.87	5.40	2532	27.9	27.3	2298	47.6
16	P08	2000	08	07	09	35	S	1.0	28.93	2.028	5.94	1.42	1.92	0.10*	7.77	4.32	2369	33.8	28.3	3679	36.0
17							M	3.0	27.86	14.915	5.63	1.47	1.76	0.32	7.70	5.04	1998	36.5	31.8	3609	40.0
18							B	5.0	27.09	21.161	4.07	1.42	2.12	0.55	7.64	4.09	1476	66.4	39.4	1815	70.0
19	P09	2000	08	07	11	40	S	1.0	28.46	10.593	5.92	2.08	3.54	0.67	7.66	4.78	2505	91.6	88.8	3338	167.9
20							M	6.0	27.11	20.554	4.26	1.67	2.24	0.30	7.60	4.33	1899	94.9	90.2	2452	206.8
21							B	11.0	25.95	26.884	3.98	1.15	1.58	0.10*	7.71	5.06	1364	122.8	61.5	1871	175.4
22	P10	2000	08	07	13	25	S	1.0	28.37	11.301	7.67	4.83	5.86	3.46	7.87	5.70	1835	476.1	450.9	3703	278.6
23							M														
24							B	2.1	28.36	12.537	3.43	3.61	4.76	1.30	7.46	5.21	2052	326.8	311.9	2946	334.8

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
25	P13	2000	08	07	14	10	S	1.0	29.47	2.658	6.36	1.75	2.30	0.90	7.82	3.59	1817	65.0	33.5	1908	46.1
26							M														
27							B	2.5	28.67	3.655	5.98	3.43	4.57	1.04	7.83	2.85	2107	72.3	34.2	2168	45.2
28	P14	2000	08	07	15	05	S	1.0	28.94	5.209	6.82	1.76	3.72	1.16	7.66	4.58	2143	42.5	32.8	2979	46.7
29							M														
30							B	3.2	28.46	5.619	6.22	1.70	1.80	0.34	7.64	2.61	2414	47.8	35.6	3730	51.0
31	P15	2000	08	08	16	30	S	1.0	30.19	4.640	7.81	2.15	2.52	2.49	8.17	4.77	2658	47.8	27.0	4299	55.7
32							M	2.8	29.58	5.890	7.11	1.96	2.37	1.17	8.07	3.47	2550	41.1	25.9	4119	58.0
33							B	4.6	28.20	13.670	5.06	1.64	2.28	1.21	7.83	6.69	1808	47.8	38.7	2946	70.7
34	P16	2000	08	08	15	10	S	1.0	30.14	3.840	6.28	1.75	2.75	1.07	8.00	5.61	1953	61.0	33.9	5092	91.0
35							M	6.7	26.22	27.800	3.96	0.96	1.99	1.26	7.83	3.52	1136	62.4	41.5	2877	112.5
36							B	12.4	25.43	31.690	3.70	0.59	1.67	1.18	7.91	3.49	705	37.8	1.7	1605	36.0
37	P17	2000	08	08	08	20	S	1.0	28.52	10.616	6.45	1.72	3.78	1.05	7.90	4.29	2116	73.7	23.8	4190	53.3
38							M	2.6	27.11	22.134	4.15	1.44	2.94	0.86	7.79	3.57	1971	62.4	35.9	3616	87.4
39							B	4.1	27.04	22.409	4.07	1.07	2.85	0.84	7.76	3.70	1063	70.3	40.1	3671	94.0
40	P18	2000	08	08	13	25	S	1.0	30.36	5.130	7.98	1.94	3.15	2.12	8.14	3.64	2550	37.2	13.8	4792	46.9
41							M	6.3	26.09	28.400	4.28	1.92	2.37	1.69	7.83	4.48	1971	63.0	61.5	3703	51.0
42							B	11.6	25.43	31.480	1.60	0.58	2.37	0.74	7.90	4.58	1060	41.8	33.5	1661	63.6
43	P21	2000	08	08	10	10	S	1.0	29.23	7.658	9.05	2.19	4.40	1.02	8.28	4.61	2025	50.4	17.6	3035	40.9
44							M	3.5	28.26	13.693	4.55	1.26	2.30	1.17	7.89	4.41	1917	69.0	14.2	3096	65.5
45							B	6.0	26.50	27.784	3.73	1.20	1.18	1.30	7.82	2.93	1147	41.1	33.9	1411	54.6
46	P22	2000	08	09	08	15	S	1.0	28.50	13.446	10.22	1.60	2.79	1.48	8.27	6.78	1031	33.8	18.3	2798	38.5
47							M	7.5	26.57	29.664	8.48	1.03	2.56	1.64	8.36	6.49	387	21.1	19.2	2730	43.3
48							B	14.0	24.55	33.763	3.60	0.50	1.27	0.90	7.93	6.56	257	36.3	23.9	1243	49.5

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
49	P23	2000	08	09	09	20	S	1.0	29.19	9.854	10.15	2.69	3.02	1.49	8.49	6.14	1483	35.2	28.7	2473	35.3
50							M	4.8	26.77	29.817	7.13	0.86	2.58	1.00	8.10	3.74	514	41.1	35.9	2858	26.1
51							B	8.5	25.50	32.358	4.51	0.58	1.71	0.57	8.02	4.79	449	45.8	34.9	1159	34.3
52	P24	2000	08	06	15	35	S	1.0	28.11	11.160	6.72	1.83	3.23	0.76	8.03	2.94	2197	55.7	31.8	2865	48.2
53							M	2.5	27.98	12.719	5.97	1.60	3.09	0.67	7.98	3.68	1600	44.5	36.3	2135	50.5
54							B	4.0	27.52	22.051	4.58	1.04	2.62	0.59	7.88	2.35	1799	61.7	35.9	1662	42.6
55	P25	2000	08	06	14	35	S	1.0	28.50	24.848	7.00	0.70	2.52	0.88	8.09	3.43	1060	16.6	6.9	1205	37.9
56							M	10.0	24.73	33.967	5.92	0.53	1.78	0.67	8.12	3.75	477	8.6	3.8	704	21.6
57							B	19.0	24.11	34.191	4.09	0.37	1.97	0.10*	8.00	2.07	383	13.3	11.4	451	29.5
58	P26	2000	08	06	18	33	S	1.0	29.13	10.679	7.02	1.62	3.59	0.58	8.09	2.63	2080	43.8	22.5	2149	24.2
59							M	2.8	28.37	17.383	5.63	0.81	2.07	0.22	8.02	3.31	1204	35.2	23.2	1635	39.2
60							B	4.5	27.05	23.152	4.99	0.94	3.02	0.47	7.96	2.29	879	39.2	25.2	1441	38.6

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
1	P02	2000	08	07	07	20	S	1652.2	21.6	0.012	2.0	24.2	2.72	0.15	2.0	0.018	0.0328	5.03		*: Half value of detection limit
2							M	1580.8	31.0	0.010	2.0	25.0	1.05	0.23	1.6		0.0342	7.47		
3							B	1326.2	47.7	0.0098	1.6	20.0	0.90	0.17	2.9		0.0205	4.62		
4	P03	2000	08	07	09	25	S	1544.4	12.2	0.043	1.6	13.6	1.16	0.11	2.4	0.018	0.0517	8.73		
5							M													
6							B	1409.8	19.2	0.031	1.4	8.8	0.57	0.09	2.3		0.0894	9.73		
7	P05	2000	08	07	08	25	S	1671.3	41.2	0.016	1.4	6.7	1.48	0.34	2.0	0.014	0.0205	4.73		
8							M	1544.8	48.9	0.013	0.8	6.0	1.09	0.11	2.1		0.0186	3.94		
9							B	1272.2	37.1	0.033	1.2	4.6	0.96	0.19	2.9		0.0300	1.84		
10	P06	2000	08	07	07	00	S	1573.9	50.5	0.012	1.1	7.9	1.05	0.12	2.1	0.034	0.1370	4.29		
11							M	1425.8	41.2	0.015	1.6	8.9	1.76	0.20	2.6		0.0144	2.01		
12							B	852.2	53.0	0.017	1.2	13.5	1.80	0.30	1.6		0.0145	1.46		
13	P07	2000	08	07	12	15	S	1586.0	80.7	0.017	2.0	10.2	0.90	0.09	3.6	0.012	0.0328	6.82		
14							M	1633.4	53.4	0.023	2.2	14.7	1.94	0.22	2.8		0.0458	7.53		
15							B	1602.8	94.5	0.015	2.0	9.0	0.91	0.09	2.5		0.0372	6.97		
16	P08	2000	08	07	09	35	S	1332.4	62.3	0.012	2.0	17.4	1.24	0.14	2.4	0.029	0.0149	2.71		
17							M	1542.3	28.5	0.020	1.1	14.6	1.59	0.16	2.9		0.0159	3.05		
18							B	728.0	34.6	0.014	1.1	9.6	0.66	0.38	2.1		0.0594	4.42		
19	P09	2000	08	07	11	40	S	1206.9	140.6	0.020	1.7	17.8	1.39	0.30	2.3	0.031	0.0103	3.92		
20							M	902.4	141.8	0.010	0.8	14.1	1.66	0.06	1.7		0.0103	2.69		
21							B	628.0	88.8	0.038	1.0	16.4	1.65	0.08	1.8		0.0076	1.29		
22	P10	2000	08	07	13	25	S	393.7	179.3	0.0084	0.5	17.9	1.36	0.31	2.0	0.038	0.0076	39.81		
23							M													
24							B	673.6	252.6	0.018	0.4	14.2	1.26	0.29	2.1		0.0258	17.00		

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Intensive point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
25	P13	2000	08	07	14	10	S	1506.8	9.4	0.025	0.9	8.9	0.17	0.12	3.1	0.021	0.0453	1.85		
26							M													
27							B	1477.5	2.5*	0.016	0.9	4.7	0.79	0.17	4.0		0.1301	1.04		
28	P14	2000	08	07	15	05	S	1455.8	21.2	0.033	1.6	10.8	1.02	0.18	2.6	0.017	0.0204	8.65		
29							M													
30							B	1421.3	6.1	0.019	1.5	4.6	1.31	0.16	3.8		0.0294	3.01		
31	P15	2000	08	08	16	30	S	1346.0	11.8	0.029	1.2	23.0	1.78	0.15	2.9	0.023	0.0124	16.77		
32							M	1184.8	26.5	0.019	1.9	21.5	1.82	0.35	2.1		0.0043	11.79		
33							B	856.3	37.1	0.021	1.4	17.5	1.78	0.30	2.6		0.0079	3.96		
34	P16	2000	08	08	15	10	S	1384.6	6.9	0.041	2.5	23.6	2.66	0.44	3.0	0.024	0.0126	11.95		
35							M	640.4	14.7	0.021	1.0	18.7	1.91	0.35	1.6		0.0064	1.39		
36							B	263.2	31.8	0.031	0.8	24.8	2.40	0.14	2.1		0.0096	1.12		
37	P17	2000	08	08	08	20	S	1257.6	10.6	0.015	1.0	17.5	2.66	0.31	1.9	0.020	0.0105	4.75		
38							M	887.4	23.2	0.0092	1.2	17.3	2.66	0.19	2.1		0.0123	2.90		
39							B	790.0	7.7	0.017	0.2	5.7	0.74	0.11	1.8		0.0248	1.84		
40	P18	2000	08	08	13	25	S	1180.0	8.6	0.027	1.4	13.8	1.43	0.19	2.3	0.025	0.0040	17.00		
41							M	870.0	21.2	0.038	1.7	12.6	0.76	0.16	2.5		0.0055	4.51		
42							B	333.0	18.3	0.021	1.9	17.0	1.27	0.13	1.1		0.0080	1.75		
43	P21	2000	08	08	10	10	S	1122.1	23.2	0.020	2.9	25.7	4.21	0.27	1.9	0.023	0.0050	32.16		
44							M	563.1	22.4	0.023	1.7	11.0	1.12	0.24	2.4		0.0071	8.69		
45							B	459.7	16.3	0.015	1.1	14.7	2.92	0.19	1.4		0.0143	2.87		
46	P22	2000	08	09	08	15	S	711.9	19.6	0.011	1.9	9.3	1.75	0.20	1.5	0.017	0.0059	32.39		
47							M	286.1	18.7	0.012	1.3	8.6	2.92	0.12	1.6		0.0066	29.48		
48							B	110.1	25.7	0.044	0.2	4.6	1.03	0.09	1.4		0.0115	2.13		

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
49	P23	2000	08	09	09	20	S	745.7	22.4	0.011	1.6	24.0	0.52	0.14	1.9	0.028	0.0041	69.85		
50							M	333.8	39.1	0.018	1.7	32.3	0.46	0.18	1.9		0.0055	24.12		
51							B	189.8	29.7	0.044	2.4	27.8	1.63	0.32	2.3		0.0081	8.25		
52	P24	2000	08	06	15	35	S	1098.0	26.9	0.019	2.5	22.8	1.60	0.27	2.5	0.022	0.0086	3.68		
53							M	1072.2	19.6	0.020	1.2	16.3	1.02	0.26	1.9		0.0097	2.73		
54							B	811.2	11.4	0.018	3.0	38.3	2.30	0.46	2.4		0.0081	1.90		
55	P25	2000	08	06	14	35	S	311.7	16.3	0.019	1.5	26.3	0.37	0.19	1.5	0.020	0.0051	5.31		
56							M	159.9	30.6	0.018	0.7	6.1	0.20	0.12	2.3		0.0082	4.79		
57							B	71.3	18.7	0.015	0.4	20.3	0.52	0.20	1.6		0.0072	0.59		
58	P26	2000	08	06	18	33	S	1044.7	35.5	0.017	1.2	4.9	0.18	0.16	1.7	0.082	0.0063	6.23		
59							M	653.2	87.2	0.023	1.3	13.6	0.41	0.23	2.8		0.0169	3.85		
60							B	579.9	56.6	0.035	1.8	13.4	0.72	0.26	3.4		0.0536	2.94		

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
1	P01	2000	08	02	20	00	S	1.0	30.28	0.120	2.99	2.11	6.31	0.84	7.41	3.29	2270	38.3	22.9	3749	15.7
2							M	13.5	30.28	0.120	2.44	2.69	6.91	1.19	7.33	3.28	2165	64.8	25.5	3525	10.1
3							B	26.0	30.28	0.121	2.60	2.77	7.07	0.84	7.28	3.27	2013	55.5	29.2	3564	10.3
4		2000	08	02	23	00	S	1.0	30.24	0.117	2.21	2.38	6.73	1.14	7.42	4.35	2108	31.7	28.2	3593	25.1
5							M	13.0	30.29	0.117	4.14	2.40	6.23	0.77	7.57	2.88	1784	27.8	22.6	3252	30.6
6							B	25.0	29.91	0.123	4.79	3.07	6.41	1.38	7.61	3.09	1765	72.7	24.2	3194	30.8
7		2000	08	03	02	00	S	1.0	30.08	0.127	3.12	1.99	5.46	0.27	7.42	4.14	2394	64.1	26.5	3418	11.1
8							M	13.5	29.96	0.153	3.75	1.83	5.26	0.65	7.31	3.42	1908	62.8	25.5	3281	17.3
9							B	26.0	29.93	0.355	3.92	2.15	5.86	0.63	7.40	4.07	2194	39.0	25.5	3262	22.1
10		2000	08	03	05	00	S	1.0	30.05	0.172	3.36	2.19	5.42	0.78	7.31	4.32	2585	68.7	49.1	3622	43.0
11							M	12.5	29.88	0.258	3.48	2.12	4.79	0.35	7.30	4.62	2585	46.9	27.5	3184	21.1
12							B	24.0	29.76	0.333	4.45	3.58	7.68	0.61	7.46	3.09	2509	47.6	31.8	3213	22.9
13		2000	08	03	08	00	S	1.0	29.98	0.131	2.27	1.85	4.65	0.70	7.34	4.60	1917	32.4	30.8	3281	42.8
14							M	12.3	30.00	0.128	2.21	1.94	4.24	0.84	7.25	3.12	2423	72.0	65.3	3019	34.4
15							B	23.5	29.98	0.132	2.17	1.96	6.16	1.00	7.18	5.58	2089	74.0	25.9	3135	45.0
16		2000	08	03	11	00	S	1.0	29.94	0.121	3.33	1.81	5.60	1.24	7.27	3.13	3644	68.7	27.9	2629	31.6
17							M	13.0	29.70	0.156	3.98	1.85	4.95	0.58	7.33	2.95	3529	72.0	25.5	2590	31.2
18							B	25.0	29.45	0.190	4.00	2.25	5.26	0.76	7.33	3.70	3310	76.7	27.2	2571	30.4
19		2000	08	03	14	00	S	1.0	29.96	0.228	3.87	1.67	4.20	0.37	7.40	6.83	2966	66.8	34.8	1422	19.7
20							M	13.5	29.95	0.218	3.71	1.72	5.01	0.35	7.37	4.35	2442	78.0	29.5	1422	15.5
21							B	26.0	29.95	0.212	3.70	2.06	4.71	0.67	7.34	3.37	2060	116.3	34.8	1285	14.5
22		2000	08	03	17	00	S	1.0	30.04	0.220	3.53	1.89	4.26	0.33	7.31	3.64	2394	66.8	28.5	2142	18.7
23							M	13.0	29.95	0.227	3.68	2.32	5.48	0.49	7.31	4.39	2413	104.4	26.9	2171	19.5
24							B	25.0	29.95	0.228	3.70	3.51	5.82	0.94	7.25	4.58	2642	161.3	48.8	2308	24.3

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
25		2000	08	03	20	00	S	1.0	29.89	0.124	3.31	1.64	6.23	0.55	7.27	3.97	1898	82.6	29.5	2434	15.3
26							M	13.5	29.89	0.125	2.99	1.72	6.83	1.74	7.18	4.02	2413	133.5	29.2	2201	11.1
27							B	26.0	29.88	0.127	2.55	1.83	4.75	0.89	7.14	3.15	2098	113.0	28.5	2269	9.7
28	P04	2000	08	02	20	00	S	1.0	29.37	0.131	5.80	2.01	4.95	1.04	7.65	4.81	2499	46.3	28.9	2756	19.1
29							M	3.0	29.37	0.131	5.67	1.94	5.32	0.53	7.73	3.08	2089	52.9	29.2	2824	18.9
30							B	5.0	29.37	0.129	5.57	2.14	4.14	0.74	7.80	3.45	2232	41.6	29.5	2843	20.5
31		2000	08	02	23	00	S	1.0	29.24	0.131	5.97	1.62	4.59	0.60	7.83	3.30	1803	25.1	20.9	2863	13.1
32							M	2.9	29.25	0.132	5.97	1.52	5.74	0.75	7.83	3.68	1625	80.0	33.5	3291	19.1
33							B	4.8	29.25	0.132	6.03	1.60	5.19	0.55	7.87	3.52	1793	35.0	21.2	2882	13.1
34		2000	08	03	02	00	S	1.0	28.93	0.130	6.04	1.47	6.91	1.41	7.54	4.63	2738	35.7	20.2	2035	17.3
35							M	3.0	28.83	0.130	6.01	1.31	6.02	0.57	7.61	3.24	1812	42.3	22.9	2220	17.9
36							B	5.0	28.72	0.130	5.99	1.52	5.13	0.30	7.65	2.62	2156	48.9	23.9	2055	18.9
37		2000	08	03	05	00	S	1.0	29.12	0.132	5.87	1.84	5.23	1.64	7.66	3.33	3090	69.4	19.9	2016	16.5
38							M	2.9	29.13	0.132	6.01	1.60	4.45	0.92	7.66	3.13	2738	37.7	20.9	2132	17.5
39							B	4.8	29.13	0.133	5.82	1.56	6.10	1.13	7.67	3.71	2203	63.5	22.2	2064	17.9
40		2000	08	03	08	00	S	1.0	29.13	0.132	5.94	1.49	4.18	0.90	7.64	3.51	2089	46.9	23.5	1704	23.3
41							M	3.0	29.13	0.133	5.81	2.45	5.09	0.88	7.70	2.62	2470	72.7	23.2	1587	23.1
42							B	4.9	29.13	0.133	5.74	1.91	6.23	0.26	7.71	3.14	2528	73.4	20.9	1577	22.9
43		2000	08	03	11	00	S	1.0	29.19	0.134	6.10	1.76	7.11	0.98	7.87	3.54	2079	66.1	28.9	1363	19.9
44							M	3.9	29.21	0.135	6.10	1.40	7.18	0.45	7.90	3.37	2490	50.2	24.9	1266	17.5
45							B	6.8	29.22	0.135	6.14	1.86	4.95	0.97	7.80	3.70	5694	60.8	24.9	1013	18.3
46		2000	08	03	14	00	S	1.0	29.28	0.130	6.18	1.45	2.22	0.52	7.93	4.46	2127	45.6	14.9	1723	20.1
47							M	4.0	29.18	0.134	6.19	1.30	3.17	0.37	7.93	2.66	2289	46.9	12.3	1967	20.3
48							B	7.0	29.05	0.135	5.77	1.59	2.26	0.25	7.96	4.91	7316	73.4	15.9	1850	17.3

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
49		2000	08	03	17	00	S	1.0	29.25	0.133	6.31	1.20	3.78	0.37	8.07	3.58	3386	48.9	17.9	2259	18.1
50							M	3.3	29.26	0.135	6.01	1.32	3.03	0.38	8.08	3.23	3157	54.2	18.2	2278	17.3
51							B	5.5	29.26	0.136	5.88	1.36	2.77	0.47	8.10	3.11	2261	60.1	17.9	2317	17.9
52		2000	08	03	20	00	S	1.0	29.23	0.134	5.98	1.59	4.04	0.90	8.02	4.58	2032	68.7	21.9	2142	19.5
53							M	2.9	29.24	0.134	5.69	1.52	3.03	0.53	8.05	3.46	2261	56.2	18.6	2434	18.7
54							B	4.8	29.24	0.134	5.70	0.83	2.99	0.40	8.02	3.52	2556	78.7	18.9	2064	16.9
55	P11	2000	07	31	10	00	S	1.0	29.41	15.240	5.47	1.26	3.94	1.05	7.82	7.52	1831	79.3	46.8	3065	94.7
56							M	4.4	28.51	23.005	4.65	0.99	4.64	0.90	7.84	4.30	1293	83.9	53.4	2826	89.9
57							B	7.8	26.83	30.504	2.60	1.39	6.44	0.10*	7.89	4.76	561	48.9	31.5	1241	37.6
58		2000	07	31	13	00	S	1.0	30.59	7.217	6.24	1.33	3.54	0.60	7.98	3.31	1377	65.4	37.5	3191	74.4
59							M	4.0	29.95	9.056	6.04	1.41	4.24	0.37	7.93	4.73	1335	103.8	37.1	2833	90.9
60							B	7.0	27.23	28.680	2.84	1.08	5.04	0.61	7.90	3.59	813	85.3	60.7	2142	67.6
61		2000	07	31	16	00	S	1.0	30.09	7.757	6.28	2.02	5.74	1.20	7.92	5.47	1549	117.6	31.8	2251	51.9
62							M	3.0	29.55	11.548	5.43	3.00	6.04	0.79	7.76	4.67	2709	107.7	77.9	3622	86.2
63							B	5.0	29.47	12.243	5.60	4.80	9.34	1.06	7.78	8.71	3167	93.2	72.0	3038	89.9
64		2000	07	31	19	00	S	1.0	29.82	5.301	5.52	1.75	3.84	0.80	7.77	4.13	1850	117.0	36.5	3315	55.9
65							M	3.5	29.81	5.504	5.46	2.06	5.44	0.57	7.73	5.04	2156	145.4	41.1	4501	68.6
66							B	6.0	29.77	6.855	5.43	2.41	3.40	0.73	7.71	8.25	1803	118.3	42.5	3426	57.5
67		2000	07	31	22	00	S	1.0	29.62	5.925	5.60	1.49	5.14	0.48	7.48	3.37	1936	83.3	39.8	2240	62.7
68							M	4.4	29.66	7.474	5.26	2.00	8.64	0.72	7.52	3.76	1572	131.5	40.1	3505	64.1
69							B	7.8	28.82	17.192	3.70	1.81	5.04	0.90	7.44	2.58	1496	197.6	42.8	3089	56.9
70		2000	08	01	01	00	S	1.0	29.50	9.959	5.94	1.31	4.44	0.52	7.67	4.09	1522	62.1	40.8	3449	72.4
71							M	4.3	29.64	10.409	5.77	1.46	3.94	0.48	7.73	5.00	1576	63.5	39.5	3926	71.4
72							B	7.5	27.43	27.123	2.82	1.44	4.20	0.30	7.74	4.53	1347	117.6	42.8	2306	25.1

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
73		2000	08	01	04	00	S	1.0	29.47	7.121	5.74	1.26	7.90	0.64	7.80	6.99	1736	52.9	38.8	3639	65.9
74							M	4.0	29.62	9.199	5.68	1.23	3.60	0.48	7.81	2.62	1591	52.2	37.8	3796	67.1
75							B	7.0	27.72	25.276	3.51	0.82	6.40	0.31	7.70	7.60	916	97.2	44.8	2004	40.4
76		2000	08	01	07	00	S	1.0	29.36	4.152	5.71	1.47	3.00	0.30	7.67	2.87	1652	64.1	43.4	3181	54.9
77							M	4.3	29.37	14.164	4.55	1.21	3.30	0.53	7.59	3.34	1416	65.4	45.1	1963	99.1
78							B	7.5	27.36	27.644	2.58	2.19	4.10	0.32	7.60	5.75	2089	60.8	40.8	966	20.7
79		2000	08	01	10	00	S	1.0	29.28	13.078	5.69	1.33	5.10	0.37	7.78	5.74	1160	138.1	39.5	1986	71.4
80							M	4.5	27.09	29.175	2.99	1.47	7.80	0.43	7.77	5.66	1091	99.1	29.2	645	43.8
81							B	8.0	26.59	30.604	2.90	1.28	3.40	0.89	7.79	4.12	1347	122.9	28.5	633	36.8
82	P12	2000	07	31	10	00	S	1.0	18.37	7.886	5.46	1.88	5.90	1.21	7.76	6.15	1633	58.2	41.1	1355	135.7
83							M	5.5	29.21	15.682	5.46	1.60	3.54	0.98	7.67	6.00	1465	52.9	49.8	1390	140.9
84							B	10.0	27.20	25.872	3.66	1.31	5.56	1.30	7.66	8.14	1213	70.7	41.8	942	116.2
85		2000	07	31	13	00	S	1.0	29.41	12.010	5.70	2.23	3.66	3.04	7.65	3.11	1765	76.7	61.4	1262	132.5
86							M	6.0	29.29	14.939	5.12	1.50	2.94	0.97	7.71	5.09	2013	52.9	36.2	935	135.7
87							B	11.0	28.60	19.673	4.46	1.31	3.58	0.10*	7.68	3.03	965	43.6	40.1	689	126.9
88		2000	07	31	16	00	S	1.0	29.61	12.641	5.27	4.29	5.72	2.35	7.25	7.09	2327	170.5	58.7	3073	112.6
89							M	6.0	29.58	12.730	5.27	3.69	6.50	1.20	7.51	6.09	1917	93.9	44.4	2220	115.8
90							B	11.0	29.22	16.081	4.32	3.26	7.86	1.38	7.56	9.27	1480	59.5	46.4	2269	127.5
91		2000	07	31	19	00	S	1.0	29.82	6.855	5.50	5.14	9.50	3.55	7.62	7.36	1726	142.8	76.3	3852	99.7
92							M	6.0	29.50	12.600	5.40	2.79	4.22	0.85	7.56	4.04	1477	133.5	48.8	2290	110.2
93							B	11.0	28.26	20.171	4.16	3.42	7.62	0.95	7.60	8.39	2013	176.5	69.3	2791	99.1
94		2000	07	31	22	00	S	1.0	29.55	12.552	5.48	2.32	4.12	1.54	7.54	3.16	1278	77.3	41.8	2197	119.0
95							M	6.8	28.83	18.237	4.42	1.64	2.92	1.07	7.63	4.86	1396	82.6	44.8	1746	130.5
96							B	12.5	27.20	25.524	3.07	1.59	2.50	0.87	7.62	3.96	1000	106.4	36.2	1159	86.9

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
97		2000	08	01	01	00	S	1.0	29.73	9.952	5.69	1.92	3.20	0.59	7.75	6.44	2270	93.9	57.7	2352	124.6
98							M	5.5	29.57	12.789	5.53	1.72	1.50	0.73	7.63	4.09	1707	80.0	49.4	946	134.5
99							B	10.0	27.71	23.260	3.36	2.01	1.91	0.77	7.65	3.10	1061	83.9	40.1	551	101.5
100		2000	08	01	04	00	S	1.0	29.32	9.172	5.96	1.77	1.83	1.18	7.78	3.76	1316	72.0	48.8	1165	104.1
101							M	6.0	28.90	17.822	4.75	1.88	2.93	1.30	7.64	3.59	1179	83.3	47.1	903	121.0
102							B	11.0	28.34	20.355	4.09	0.98	1.87	0.81	7.66	9.14	1248	82.0	46.8	802	120.4
103		2000	08	01	07	00	S	1.0	29.31	9.282	5.77	1.51	2.33	0.80	7.70	3.84	1358	83.9	50.1	1366	126.9
104							M	6.8	28.16	21.414	4.13	1.61	1.21	1.30	7.67	3.96	1271	72.7	42.8	1126	125.9
105							B	12.5	26.90	26.489	2.92	1.15	2.66	0.96	7.68	5.52	847	105.8	37.5	809	86.9
106		2000	08	01	10	00	S	1.0	29.33	13.516	5.31	1.59	1.73	0.90	7.71	5.18	1351	88.6	47.8	1542	143.5
107							M	7.3	28.78	18.528	4.43	1.08	1.27	0.92	7.66	5.65	1137	71.4	44.8	1354	128.9
108							B	13.5	27.00	26.165	3.05	1.34	1.10	1.36	7.66	3.15	832	119.0	32.8	978	83.2
109	P19	2000	08	01	15	00	S	1.0	29.71	15.809	5.16	0.92	0.63	0.65	7.59	8.35	1784	67.4	33.5	1699	82.0
110							M	3.0	27.96	25.370	3.64	1.88	5.73	0.66	7.58	2.28	1343	176.5	54.1	1533	67.6
111							B	5.0	27.78	26.538	3.51	1.64	2.21	0.90	7.61	8.22	1091	105.1	28.2	990	58.1
112		2000	08	01	18	00	S	1.0	29.01	15.924	4.40	1.92	1.63	1.00	7.70	4.71	1591	72.7	35.2	2043	46.4
113							M	2.5	28.80	18.553	4.26	1.81	6.14	0.75	7.61	3.87	1271	70.7	36.8	1770	60.9
114							B	4.0	28.55	20.474	3.95	1.68	2.73	0.79	7.61	2.75	1019	87.9	36.8	1581	61.5
115		2000	08	01	21	00	S	1.0	28.71	12.603	5.26	1.44	2.83	0.45	7.65	5.99	1746	44.9	28.9	2454	78.0
116							M	2.9	28.71	15.696	5.26	1.71	2.45	0.38	7.67	4.16	1210	64.1	32.5	2685	72.2
117							B	4.8	28.40	21.638	3.94	2.17	2.13	0.47	7.68	3.92	1278	72.7	27.5	2731	59.7
118		2000	08	02	00	00	S	1.0	28.53	18.519	4.72	1.88	2.83	1.56	7.57	4.94	1259	46.9	31.5	2008	84.6
119							M	3.0	28.48	21.511	4.51	0.92	3.68	0.49	7.66	2.27	1423	58.8	30.8	1868	78.2
120							B	5.0	28.43	22.198	3.90	1.04	3.70	0.82	7.65	2.56	1278	85.3	31.5	2168	66.5

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
121		2000	08	02	03	00	S	1.0	28.47	18.558	4.72	1.03	3.48	1.00	7.64	4.55	1610	46.3	32.5	1437	80.2
122							M	2.9	28.30	22.149	4.07	0.89	3.25	0.47	7.66	5.41	1412	64.8	32.8	1258	69.8
123							B	4.8	27.77	25.560	3.80	0.99	3.38	0.57	7.64	3.32	1381	69.4	35.5	990	62.3
124		2000	08	02	06	00	S	1.0	28.32	17.723	5.36	1.96	1.72	1.52	7.62	4.05	1774	56.8	34.5	1532	86.4
125							M	3.0	28.37	18.192	5.04	1.65	2.77	0.75	7.67	4.07	1473	64.8	33.2	1437	88.3
126							B	5.0	28.09	22.632	3.86	1.00	2.27	1.62	7.66	2.48	1049	64.8	36.5	1389	61.7
127		2000	08	02	09	00	S	1.0	28.15	17.023	5.72	1.33	2.57	1.10	7.60	4.54	2280	54.2	32.8	1461	73.4
128							M	3.5	28.03	22.080	5.60	0.87	2.31	0.70	7.66	3.91	1660	44.3	32.2	1629	73.6
129							B	6.0	27.70	26.685	3.60	0.86	2.49	0.92	7.68	4.12	851	123.6	29.9	1123	71.0
130		2000	08	02	12	00	S	1.0	28.19	20.143	5.33	1.56	2.87	1.00	7.65	3.91	1557	44.3	24.9	1521	76.0
131							M	3.8	27.79	26.127	4.76	0.80	1.47	0.71	7.72	2.50	958	25.1	15.3	1075	80.2
132							B	6.5	27.30	28.821	3.50	0.69	2.15	0.73	7.69	2.71	820	17.8	15.6	901	55.9
133		2000	08	02	15	00	S	1.0	28.35	19.421	5.53	1.15	2.25	0.79	7.69	2.26	1358	23.1	18.9	1354	82.2
134							M	3.3	27.65	25.906	4.98	0.87	1.75	0.77	7.75	2.61	1026	35.0	27.5	1509	85.0
135							B	5.5	27.29	27.869	3.66	1.07	3.98	1.01	7.74	2.81	1030	21.2	11.6	942	62.7
136	P20	2000	08	01	15	00	S	1.0	29.57	15.576	5.94	1.03	2.45	1.50	7.65	3.50	1271	46.3	32.2	2257	88.5
137							M	9.7	26.39	31.392	4.92	0.63	2.01	0.45	7.70	2.90	1160	48.9	26.9	1692	75.6
138							B	18.3	25.97	32.390	3.71	0.40	4.14	0.43	7.67	3.26	443	56.8	18.2	815	40.8
139		2000	08	01	18	00	S	1.0	29.25	8.627	5.47	1.44	1.72	0.29	7.63	7.82	1297	72.0	44.1	1904	101.5
140							M	8.8	27.90	23.165	4.02	1.30	6.19	0.48	7.63	7.54	1244	113.7	31.8	1198	67.1
141							B	16.5	27.18	28.028	3.71	1.54	5.42	0.75	7.66	7.83	504	124.9	24.2	913	51.5
142		2000	08	01	21	00	S	1.0	28.81	13.672	5.50	1.07	3.72	0.39	7.68	6.20	1148	64.1	39.8	748	99.3
143							M	9.0	26.54	30.219	3.77	0.55	2.31	0.41	7.68	4.63	1095	27.8	19.6	207	46.4
144							B	17.0	26.16	31.572	3.69	0.68	3.01	0.34	7.70	3.95	591	29.1	17.6	110	39.8

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
145		2000	08	02	00	00	S	1.0	27.79	23.624	5.81	1.21	2.43	0.36	7.80	5.29	1793	46.3	40.8	3054	114.2
146							M	9.0	26.58	30.544	4.13	0.59	2.51	0.42	7.81	2.67	859	22.5	18.6	1607	51.1
147							B	17.0	25.95	32.364	3.78	0.50	2.19	0.35	7.84	3.73	542	28.4	14.9	1558	45.2
148		2000	08	02	03	00	S	1.0	28.09	19.089	5.06	0.60	1.41	0.21	7.85	6.39	1419	35.0	26.2	2233	90.3
149							M	9.5	26.46	30.965	4.13	0.35	2.31	0.10*	7.83	4.40	652	24.5	15.6	1010	48.3
150							B	18.0	25.61	32.975	3.87	0.34	3.46	1.06	7.87	3.53	416	17.8	12.3	1254	39.0
151		2000	08	02	06	00	S	1.0	27.92	20.578	5.77	0.74	2.61	0.22	7.85	7.03	1305	52.2	49.8	2180	97.1
152							M	10.5	26.65	29.951	3.80	0.59	2.35	0.39	7.80	6.26	950	29.1	22.6	1461	60.9
153							B	20.0	25.92	32.318	3.56	0.66	2.22	0.24	7.82	2.28	599	20.5	16.6	1095	45.0
154		2000	08	02	09	00	S	1.0	27.45	23.733	5.30	1.17	1.79	0.60	7.84	3.41	1175	32.4	22.2	1701	74.0
155							M	10.0	25.89	32.343	4.42	0.60	7.88	0.43	7.84	3.22	752	29.1	18.9	1156	56.9
156							B	19.0	25.49	33.219	3.90	0.62	6.21	0.37	7.86	4.34	462	28.4	12.9	840	39.6
157		2000	08	02	12	00	S	1.0	27.60	23.715	5.53	0.62	2.63	0.27	7.77	6.90	1133	33.0	24.5	1796	72.2
158							M	10.8	26.34	30.929	4.03	0.58	1.46	0.30	7.74	4.37	935	28.4	18.2	1095	51.9
159							B	20.5	25.49	33.100	3.95	0.63	2.02	0.28	7.76	2.67	916	22.5	14.3	669	43.2
160		2000	08	02	15	00	S	1.0	28.16	19.336	5.97	0.68	3.07	0.37	7.73	3.43	1148	43.6	35.2	1544	70.8
161							M	9.5	26.27	31.136	4.58	0.54	1.41	0.45	7.75	2.99	1065	23.8	21.9	828	60.9
162							B	18.0	25.70	32.682	3.88	0.61	3.52	0.45	7.75	2.73	607	31.1	17.2	621	47.8

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
1	P01	2000	08	02	20	00	S	1445.2	11.8							0.012	0.0774	9.88	58	*: Half value of detection limit
2							M	1548.1	27.1								0.1111	12.25	472	
3							B	1190.1	8.9								0.1244	12.64	396	
4		2000	08	02	23	00	S	1507.1	19.6								0.0414	11.72	304	
5							M	1472.3	36.3								0.0744	6.66	106	
6							B	1546.9	26.7								0.1352	5.84	0	
7		2000	08	03	02	00	S	2002.6	13.9							0.011	0.0440	7.56	118	
8							M	1357.1	17.8								0.0299	6.21	280	
9							B	1435.5	21.0								0.1224	6.14	150	
10		2000	08	03	05	00	S	1447.8	17.8								0.0382	5.97	224	
11							M	1389.9	25.6								0.0382	6.16	352	
12							B	1344.8	26.7								0.1319	5.64	150	
13		2000	08	03	08	00	S	1414.8	22.8							0.036	0.0717	8.81	246	
14							M	1473.1	34.9								0.1234	11.26	0	
15							B	1349.3	9.6								0.1102	9.57	276	
16		2000	08	03	11	00	S	1412.7	23.5								0.0294	10.03	464	
17							M	1463.0	21.7								0.0461	5.73	372	
18							B	1347.3	38.5								0.1068	7.36	456	
19		2000	08	03	14	00	S	1772.8	9.3	0.023	3.0	20.3	1.61	0.13	1.4	0.028	0.0543	4.36	136	
20							M	1445.1	23.1	0.004*	1.8	22.3	0.04	0.10	2.1		0.0252	5.16	92	
21							B	1543.7	17.8	0.004*	2.5	31.0	1.79	0.09	2.5		0.0915	6.18	68	
22		2000	08	03	17	00	S	1507.0	8.2								0.0525	3.83	228	
23							M	1597.3	11.0								0.0903	6.12	380	
24							B	1543.7	2.5*								0.2069	5.99	366	

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
25		2000	08	03	20	00	S	1523.4	11.8	0.004*	3.2	20.3	0.61	0.06	2.8	0.012	0.0694	10.87	98	
26							M	1609.4	10.0	0.004*	2.7	23.2	0.63	0.02	4.8		0.1154	12.18	476	
27							B	1560.8	7.1	0.010	1.4	24.6	0.65	0.08	3.9		0.1489	9.11	682	
28	P04	2000	08	02	20	00	S	1425.3	25.3							0.012	0.0657	2.21	176	
29							M	1448.2	42.0								0.0589	2.23	66	
30							B	1297.0	2.5*								0.0328	2.05	624	
31		2000	08	02	23	00	S	1424.8	23.9								0.0253	2.10	252	
32							M	1376.5	9.3								0.0348	1.53	480	
33							B	1707.8	19.9								0.0305	1.97	500	
34		2000	08	03	02	00	S	1317.1	21.7							0.062	0.0421	1.70	176	
35							M	1355.9	29.9								0.0334	1.72	452	
36							B	1478.3	30.6								0.0544	2.24	230	
37		2000	08	03	05	00	S	1554.0	24.9								0.0391	1.98	1056	
38							M	1523.0	26.4								0.0541	1.05	420	
39							B	1402.6	24.2								0.0592	1.97	382	
40		2000	08	03	08	00	S	1570.6	53.4							0.005*	0.0436	2.28	372	
41							M	1444.0	24.2								0.0615	2.19	764	
42							B	1489.8	25.6								0.0654	2.17	204	
43		2000	08	03	11	00	S	1535.1	44.2								0.0344	2.13	482	
44							M	1524.5	42.7								0.0370	2.42	636	
45							B	1552.9	37.4								0.0369	2.15	652	
46		2000	08	03	14	00	S	1523.7	32.8	0.025	3.0	40.6	0.91	0.07	3.1	0.017	0.0101	3.90	322	
47							M	1616.9	28.5	0.027	2.8	33.0	1.03	0.09	2.8		0.0208	2.96	712	
48							B	1529.9	30.3	0.023	2.9	28.1	1.24	0.65	3.2		0.0708	3.72	436	

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Continuous point in spring tide

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
49		2000	08	03	17	00	S	1629.1	21.7								0.0392	1.70	900	
50							M	1383.7	26								0.0517	1.74	192	
51							B	1356.5	23.5								0.0598	1.68	1080	
52		2000	08	03	20	00	S	1398.1	22.8	0.011	1.8	28.9	0.60	0.22	1.7	0.015	0.0541	1.47	334	
53							M	1362.3	19.9	0.012	1.7	38.4	0.15	0.18	3.1		0.0598	1.36	720	
54							B	1290.9	73.7	0.004*	2.3	34.8	0.56	0.19	2.6		0.0603	2.08	472	
55	P11	2000	07	31	10	00	S	865.6	18.9	0.031	1.7	26.8	1.17	0.20	2.7	0.016	0.0198	0.85	14	
56							M	953.8	12.8	0.033	1.6	30.4	0.55	0.30	3.5		0.0548	0.57	2	
57							B	399.2	33.8	0.035	2.6	29.2	0.06	0.20	2.8		0.0207	1.65	8	
58		2000	07	31	13	00	S	1162.7	14.2								0.0140	1.18	16	
59							M	1169.5	8.5								0.0144	0.78	51	
60							B	432.6	15.0								0.1056	0.69	10	
61		2000	07	31	16	00	S	1265.6	21.0	0.008	1.8	25.6	0.67	0.17	2.8	0.037	0.0878	5.05	74	
62							M	1110.9	12.8	0.019	2.7	29.9	2.74	0.12	3.4		0.2557	4.38	57	
63							B	1074.4	5.0	0.011	2.6	35.0	1.02	0.22	3.0		0.2010	3.57	103	
64		2000	07	31	19	00	S	1101.8	26.0								0.1219	1.96	60	
65							M	1102.4	13.2								0.1536	3.22	60	
66							B	1293.1	12.5								0.1253	2.18	80	
67		2000	07	31	22	00	S	1127.9	16.4							0.018	0.0564	1.61	217	
68							M	1168.8	22.4								0.0226	1.55	127	
69							B	814.9	11.8								0.3610	4.59	98	
70		2000	08	01	01	00	S	1092.2	13.5								0.0397	0.77	118	
71							M	1083.3	14.2								0.0212	0.87	68	
72							B	573.9	6.8								0.0098	1.37	22	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
73		2000	08	01	04	00	S	882.5	24.9							0.025	0.0054	0.71	302	
74							M	987.8	22.8								0.0170	0.82	85	
75							B	648.5	11.4								0.0495	1.86	41	
76		2000	08	01	07	00	S	1206.3	40.2								0.0128	1.49	320	
77							M	909.4	11.0								0.0142	0.75	132	
78							B	438.0	8.9								0.1940	1.85	10	
79		2000	08	01	10	00	S	1015.1	43.1							0.017	0.0205	1.22	87	
80							M	925.6	29.2								0.1470	2.33	7	
81							B	1111.5	8.9								0.2196	7.96	10	
82	P12	2000	07	31	10	00	S	915.5	22.8	0.022	1.6	29.3	2.42	0.46	1.2	0.016	0.0127	1.41	31	
83							M	1016.8	45.2	0.031	1.5	35.5	0.76	0.16	2.0		0.0154	1.29	137	
84							B	718.8	60.5	0.025	2.8	28.1	1.84	0.12	1.8		0.0169	1.04	568	
85		2000	07	31	13	00	S	1058.5	7.8								0.0179	1.14	39	
86							M	845.7	34.2								0.0128	1.39	193	
87							B	728.1	49.9								0.0143	1.02	422	
88		2000	07	31	16	00	S	1061.1	9.3	0.042	2.4	34.7	0.48	0.13	3.4	0.099	0.2580	1.20	558	
89							M	977.9	62.3	0.072	2.4	31.2	0.59	0.13	2.0		0.2306	2.85	700	
90							B	846.2	29.9	0.058	1.9	37.9	0.24	0.25	2.3		0.2102	1.48	725	
91		2000	07	31	19	00	S	1140.7	29.6								0.0484	1.79	740	
92							M	1021.9	41.7								0.1314	1.92	712	
93							B	1065.5	13.5								0.2114	6.13	640	
94		2000	07	31	22	00	S	1039.1	39.5							0.027	0.0722	1.89	369	
95							M	812.9	49.9								0.0311	2.33	520	
96							B	531.2	115.4								0.0854	3.07	396	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
97		2000	08	01	01	00	S	1072.5	102.2								0.0090	1.90	448	
98							M	939.0	80.1								0.0205	1.80	385	
99							B	744.3	100.1								0.0425	1.79	892	
100		2000	08	01	04	00	S	849.1	53.1							0.018	0.0087	1.04	210	
101							M	834.1	53.1								0.0218	1.66	540	
102							B	704.9	79.8								0.0123	1.20	175	
103		2000	08	01	07	00	S	1104.4	60.9								0.0119	1.85	298	
104							M	666.1	78.7								0.0125	1.18	390	
105							B	445.5	97.6								0.0291	2.72	640	
106		2000	08	01	10	00	S	911.4	58.8							0.036	0.0035	2.03	154	
107							M	723.0	49.1								0.0222	2.63	125	
108							B	495.8	78.7								0.0868	1.37	284	
109	P19	2000	08	01	15	00	S	1163.9	17.8							0.013	0.0148	1.00	290	
110							M	735.9	37.0								0.2454	1.13	3	
111							B	465.6	42.0								0.4156	1.00	199	
112		2000	08	01	18	00	S	884.0	32.8	0.024	1.3	25.4	0.16	0.19	2.0		0.0269	0.66	21	
113							M	954.1	28.8	0.033	1.7	34.8		0.27	2.9		0.0535	0.50	40	
114							B	686.7	38.1	0.050	1.6	30.7	0.99	0.28	3.3		0.1193	0.90	22	
115		2000	08	01	21	00	S	698.9	12.1							0.016	0.0183	0.66	38	
116							M	751.4	7.1								0.0649	0.75	53	
117							B	617.2	2.5*								0.0643	0.78	25	
118		2000	08	02	00	00	S	822.4	5.0								0.0129	0.65	166	
119							M	795.4	42.7								0.0231	0.80	59	
120							B	673.7	18.5								0.0649	1.08	37	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
121		2000	08	02	03	00	S	850.1	30.6							0.017	0.0121	0.68	45	
122							M	747.1	14.2								0.0088	0.63	74	
123							B	597.9	15.7								0.0333	0.88	76	
124		2000	08	02	06	00	S	853.9	13.9								0.0064	0.48	120	
125							M	778.7	6.8								0.0116	0.58	99	
126							B	641.9	6.4								0.0166	0.74	34	
127		2000	08	02	09	00	S	1303.7	86.2	0.029	1.3	42.2	0.22	0.48	1.6	0.013	0.0079	1.17	98	
128							M	710.4	7.8	0.032	0.8	38.2	0.42	0.19	1.8		0.0066	0.92	78	
129							B	368.3	20.3	0.061	1.3	49.7	0.42	0.20	3.5		0.1077	1.42	47	
130		2000	08	02	12	00	S	795.8	36.3								0.0071	1.70	86	
131							M	565.4	6.1								0.0284	2.42	14	
132							B	353.4	28.8								0.0323	0.80	54	
133		2000	08	02	15	00	S	646.6	28.1							0.026	0.0077	2.00	22	
134							M	603.9	44.9								0.0109	1.50	84	
135							B	609.5	39.2								0.1411	0.91	388	
136	P20	2000	08	01	15	00	S	873.2	45.6							0.016	0.0090	1.95	115	
137							M	689.8	19.6								0.0091	1.58	6	
138							B	232.1	50.6								0.0102	1.04	272	
139		2000	08	01	18	00	S	920.1	38.5	0.010	1.6	56.5	0.25	0.60	1.8		0.0219	0.78	95	
140							M	498.9	53.1	0.008	0.7	17.9	0.34	0.14	1.2		0.1190	1.28	5	
141							B	306.3	38.8	0.016	0.8	35.8	0.28	0.14	1.0		0.1554	2.05	399	
142		2000	08	01	21	00	S	667.6	44.9							0.020	0.0136	1.06	103	
143							M	567.1	52.7								0.0115	1.20	0	
144							B	413.7	41.0								0.0387	1.45	3	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
145		2000	08	02	00	00	S	466.0	14.6								0.0266	0.81	164	
146							M	342.5	13.5								0.0066	1.08	62	
147							B	286.6	7.1								0.0120	1.10	89	
148		2000	08	02	03	00	S	706.7	8.9							0.015	0.0062	0.77	88	
149							M	231.5	8.9								0.0086	1.07	27	
150							B	159.4	9.3								0.0113	1.09	107	
151		2000	08	02	06	00	S	696.7	28.1								0.0070	0.88	152	
152							M	338.4	33.8								0.0074	0.92	72	
153							B	227.9	11.0								0.0109	0.77	103	
154		2000	08	02	09	00	S	511.7	7.1	0.016	1.1	52.7	0.31	0.16	1.2	0.013	0.0080	1.22	204	
155							M	392.4	31.3	0.021	0.5	40.4	0.37	0.20	1.1		0.0168	1.04	89	
156							B	186.7	25.3	0.025	0.4	38.8	0.22	0.09	1.4		0.0281	1.17	51	
157		2000	08	02	12	00	S	530.1	13.2								0.0090	1.82	54	
158							M	474.9	12.1								0.0129	0.97	56	
159							B	607.0	22.4								0.0195	0.95	61	
160		2000	08	02	15	00	S	693.7	15.0							0.027	0.0075	1.58	60	
161							M	248.1	18.5								0.0040	1.23	56	
162							B	114.9	18.5								0.0264	0.84	45	

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
1	P01	2000	08	09	20	00	S	1.0	29.93	0.692	3.41	2.43	3.66	2.02	7.60	4.70	2640	46.4	16.2	4550	162.3
2							M	12.5	28.93	5.216	2.30	3.01	3.51	0.56	7.30	3.61	2333	37.2	33.9	2448	158.5
3							B	24.0	28.01	13.724	2.65	1.88	3.98	0.10*	7.43	3.22	1863	54.4	43.2	2946	147.3
4		2000	08	09	23	00	S	1.0	30.41	0.911	4.04	2.27	4.17	1.77	7.53	3.69	2080	41.1	31.8	3672	155.7
5							M	12.5	28.85	5.961	2.48	2.07	2.75	0.56	7.25	3.30	2080	43.1	33.9	4119	159.9
6							B	24.0	28.13	12.651	2.52	1.91	2.92	0.36	7.42	2.85	1935	51.1	43.2	2946	151.9
7		2000	08	10	02	00	S	1.0	29.45	0.174	3.22	2.65	4.06	0.49	7.16	3.74	2577	60.4	35.2	4482	246.7
8							M	13.0	28.76	6.723	2.35	2.11	2.75	0.81	7.58	3.35	2251	44.5	39.0	3458	167.4
9							B	25.0	27.93	14.719	2.69	1.87	3.02	0.47	7.65	2.94	2062	49.8	42.2	2811	145.8
10		2000	08	10	05	00	S	1.0	29.75	0.269	4.51	1.75	4.27	1.65	7.69	3.66	2098	31.2	21.8	3728	136.9
11							M	13.3	28.67	7.561	2.41	2.01	3.61	0.73	7.32	3.34	2170	49.8	40.4	3536	196.5
12							B	25.5	27.67	16.804	2.65	1.96	5.45	0.87	7.55	3.49	1745	124.8	41.8	2377	129.0
13		2000	08	10	08	00	S	1.0	29.71	0.635	3.14	2.25	6.36	2.28	7.35	4.15	2911	66.4	30.1	3773	224.2
14							M	13.8	28.47	10.121	2.38	2.07	3.34	0.62	7.25	4.48	2333	57.7	40.4	3163	205.9
15							B	26.5	27.77	16.036	2.50	1.74	8.35	0.52	7.47	3.91	1552	102.9	40.8	2432	131.8
16		2000	08	10	11	00	S	1.0	30.11	0.204	5.31	1.95	5.01	1.20	7.79	4.20	2215	42.5	20.0	6059	122.9
17							M	12.8	28.64	8.690	2.36	1.92	3.70	0.75	7.37	3.31	2098	47.8	41.5	4676	207.7
18							B	24.5	28.00	14.178	2.38	1.85	4.48	0.49	7.39	2.91	1673	55.7	42.8	4109	197.0
19		2000	08	10	14	00	S	1.0	30.38	0.309	5.16	1.74	6.47	1.36	7.82	4.02	2405	27.9	18.7	4370	103.2
20							M	12.5	29.06	6.350	2.53	2.31	3.89	1.08	7.39	3.40	2269	62.4	33.5	5686	205.9
21							B	24.0	27.81	16.215	2.82	1.83	5.96	1.50	7.57	2.79	2224	128.7	40.4	3201	123.8
22		2000	08	10	17	00	S	1.0	30.23	0.616	4.76	1.87	4.38	0.85	7.69	3.15	2351	49.8	19.0	4742	127.1
23							M	12.8	28.94	6.602	2.27	2.28	3.15	0.87	7.25	3.19	2477	34.5	34.2	4443	208.2
24							B	24.5	27.83	15.794	2.27	2.24	3.62	0.64	7.40	3.81	2269	46.4	42.5	4177	171.6

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
25		2000	08	10	20	00	S	1.0	30.30	0.922	4.09	2.20	5.52	1.71	7.56	3.27	2197	45.8	28.7	4719	183.8
26							M	13.0	29.12	5.411	2.18	2.35	4.67	1.04	7.24	4.26	2622	53.7	34.6	5155	230.3
27							B	25.0	27.80	15.985	2.27	2.19	4.57	0.59	7.22	4.14	2197	68.3	39.7	4342	201.2
28	P04	2000	08	09	20	00	S	1.0	30.01	0.107	5.85	1.26	2.62	0.55	8.17	5.26	2034	23.2	22.1	3221	17.3
29							M	4.4	30.01	0.107	5.80	1.28	2.11	0.63	8.11	5.32	2152	25.9	22.1	3221	15.8
30							B	7.8	30.00	0.106	5.84	1.43	1.82	0.66	8.11	5.02	2025	25.9	22.8	3165	13.9
31		2000	08	09	23	00	S	1.0	29.84	0.109	5.82	1.34	2.16	0.43	8.15	3.85	2107	35.2	23.8	3097	10.9
32							M	4.0	29.85	0.110	5.86	1.39	3.80	0.53	8.13	3.69	2170	36.5	22.5	3514	10.5
33							B	7.0	29.86	0.110	5.78	1.66	4.74	0.80	8.10	3.47	1935	27.9	24.2	3334	11.8
34		2000	08	10	02	00	S	1.0	29.86	0.108	5.74	1.43	3.61	0.45	8.04	5.20	2152	40.5	19.0	5034	25.1
35							M	4.1	29.87	0.108	5.61	1.47	2.93	0.61	7.99	3.76	2080	40.5	22.8	4922	24.9
36							B	7.2	29.88	0.108	5.50	1.86	3.79	0.78	7.93	4.27	2297	47.8	20.4	4989	23.3
37		2000	08	10	05	00	S	1.0	29.83	0.108	5.63	1.31	2.54	0.83	7.96	5.04	2324	48.4	21.8	5012	21.6
38							M	4.9	29.82	0.108	5.57	1.47	2.94	0.27	7.96	3.36	1935	41.1	21.1	4629	22.3
39							B	8.8	29.83	0.107	5.47	1.52	3.27	0.54	7.97	4.10	2098	41.1	21.8	4809	23.8
40		2000	08	10	08	00	S	1.0	29.81	0.106	5.84	1.51	4.38	0.94	7.98	3.57	2269	26.5	22.8	5181	22.3
41							M	4.4	29.75	0.108	5.47	1.41	3.52	0.84	7.98	4.79	2297	29.2	19.0	4922	21.8
42							B	7.8	29.66	0.107	5.53	1.60	2.94	0.67	7.97	4.04	2315	31.2	19.7	4437	27.8
43		2000	08	10	11	00	S	1.0	29.79	0.106	5.86	1.31	4.26	1.21	7.98	4.95	2251	25.9	24.9	4415	11.4
44							M	4.1	29.77	0.107	5.81	1.42	3.14	0.55	7.99	3.19	2062	24.6	23.2	4347	11.6
45							B	7.1	29.76	0.107	5.81	1.78	3.46	0.59	8.03	4.94	2125	29.9	21.8	4190	11.4
46		2000	08	10	14	00	S	1.0	30.33	0.108	5.72	1.36	2.28	0.59	7.99	3.46	2116	47.1	21.4	3795	18.9
47							M	3.9	30.34	0.109	5.94	1.52	3.77	1.21	7.99	3.29	2387	43.8	22.8	3841	18.0
48							B	6.8	30.34	0.110	5.82	1.38	3.67	0.49	7.99	3.75	2170	41.1	27.3	3976	17.3

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
49		2000	08	10	17	00	S	1.0	30.45	0.109	5.97	1.27	2.43	0.63	7.96	6.06	2269	36.5	20.4	4742	13.9
50							M	3.8	30.43	0.108	5.97	1.42	2.39	0.70	7.96	4.04	2559	64.4	22.1	3863	13.3
51							B	6.5	30.45	0.108	5.78	1.59	2.87	0.91	8.02	5.16	1772	107.5	19.0	3660	12.4
52		2000	08	10	20	00	S	1.0	30.26	0.106	6.11	1.20	2.33	0.45	8.00	3.52	2441	43.1	19.4	3728	9.9
53							M	4.0	30.27	0.109	6.04	1.27	2.24	0.51	8.04	3.16	2496	55.1	22.1	4235	9.8
54							B	7.0	30.23	0.109	5.97	1.39	3.67	0.45	8.07	3.29	1953	72.3	23.8	3998	8.1
55	P11	2000	08	07	10	00	S	1.0	28.90	2.450	6.01	1.61	3.14	1.34	7.68	4.54	2622	49.8	41.8	3816	50.6
56							M	3.3	27.59	14.969	4.21	1.73	3.04	1.24	7.69	3.63	1530	86.3	45.6	3041	74.8
57							B	5.5	26.55	23.202	3.94	1.25	2.49	1.58	7.75	4.05	1034	76.3	40.4	1912	65.3
58		2000	08	07	13	00	S	1.0	29.75	2.133	5.50	1.75	2.81	0.85	7.73	3.85	2197	51.8	35.6	3395	51.4
59							M	3.6	26.98	22.030	4.16	1.83	2.75	0.77	7.72	3.38	1872	57.1	38.0	2951	69.6
60							B	6.2	26.47	23.985	3.50	1.35	2.58	0.74	7.79	4.08	832	79.0	38.0	1385	64.3
61		2000	08	07	16	00	S	1.0	30.22	2.908	6.74	1.26	2.71	0.64	7.94	3.18	3038	43.8	28.7	2317	43.3
62							M	3.8	28.11	13.014	5.76	1.55	3.00	0.71	7.82	4.63	1962	55.7	30.1	2608	52.3
63							B	6.6	25.94	27.591	3.81	0.74	2.52	0.41	7.80	3.04	821	51.1	29.4	1243	50.5
64		2000	08	07	19	00	S	1.0	29.73	3.214	6.26	1.64	2.56	0.51	7.85	3.56	2071	39.8	32.5	3717	51.8
65							M	3.9	29.59	6.567	6.33	1.67	3.35	0.73	7.83	3.78	1709	48.4	29.0	4067	52.0
66							B	6.8	25.93	26.632	3.71	0.98	2.91	0.50	7.81	3.09	713	44.5	28.3	1383	49.9
67		2000	08	07	22	00	S	1.0	29.34	2.264	6.01	1.51	2.45	0.45	7.85	4.03	1980	47.8	35.6	4125	54.4
68							M	3.8	29.09	5.488	5.91	1.55	2.87	0.47	7.83	5.07	1908	39.8	28.3	4119	52.5
69							B	6.5	26.35	24.972	3.68	0.91	2.20	0.92	7.80	3.79	796	49.1	37.0	1455	56.8
70		2000	08	08	01	00	S	1.0	29.25	2.535	6.28	1.51	2.29	0.52	7.90	3.50	1926	41.1	26.3	5625	48.2
71							M	3.9	28.73	12.275	6.26	1.63	1.72	0.82	7.86	4.10	2052	42.5	25.2	5987	46.5
72							B	6.8	26.42	24.364	3.22	1.12	2.45	0.84	7.78	5.45	828	69.7	39.0	2826	65.5

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
73		2000	08	08	04	00	S	1.0	29.10	3.827	6.21	1.63	2.87	0.51	7.89	5.54	2016	39.8	28.3	5005	50.6
74							M	4.0	28.29	11.844	5.86	1.70	2.77	0.58	7.85	4.93	1854	41.1	28.7	5406	55.5
75							B	7.0	26.03	27.296	3.39	0.94	2.64	0.73	7.81	4.97	1132	60.4	32.5	2989	56.1
76		2000	08	08	07	00	S	1.0	28.90	3.275	6.20	1.54	2.39	0.33	7.88	4.92	1709	39.2	28.3	5067	55.0
77							M	4.0	28.29	9.916	5.97	1.59	2.20	0.38	7.83	4.62	1881	42.5	29.7	5582	60.6
78							B	7.0	25.79	28.220	3.47	0.78	1.58	0.63	7.85	4.18	839	33.2	27.6	2210	53.5
79		2000	08	08	10	00	S	1.0	29.30	3.814	6.25	1.76	2.33	0.41	7.93	4.99	1826	39.8	25.9	5042	69.2
80							M	3.5	27.88	14.458	6.18	1.72	2.34	0.69	7.92	4.91	2052	47.1	26.6	5271	60.8
81							B	6.0	26.17	25.882	3.36	1.02	1.71	1.30	7.85	4.50	1067	87.6	42.5	1871	56.3
82	P12	2000	08	07	10	00	S	1.0	28.33	10.865	4.93	0.74	1.86	0.21	7.78	3.62	3237	64.4	56.0	4325	130.4
83							M	6.5	27.03	21.685	4.08	1.31	1.73	0.29	7.75	3.19	2948	63.7	59.1	3532	161.3
84							B	12.0	26.49	24.662	4.04	0.86	1.52	0.26	7.82	2.80	2297	51.1	50.1	2369	165.5
85		2000	08	07	13	00	S	1.0	29.31	9.358	5.10	1.91	2.28	0.49	7.78	4.20	2161	65.0	60.1	3717	123.3
86							M	7.1	26.23	25.824	3.92	0.90	2.80	0.35	7.86	2.93	1863	51.8	51.1	2053	163.7
87							B	13.2	25.46	28.764	3.36	1.06	2.11	1.08	7.88	3.76	1646	55.7	43.9	1436	121.0
88		2000	08	07	16	00	S	1.0	29.95	9.098	5.40	2.07	2.26	1.26	7.69	3.55	1872	49.8	40.8	2474	85.9
89							M	7.3	26.37	25.392	4.31	1.31	2.09	0.37	7.77	2.81	1291	78.3	58.4	1369	184.8
90							B	13.5	25.69	28.070	3.56	0.91	1.14	0.10*	7.80	2.98	995	54.4	44.6	901	144.9
91		2000	08	07	19	00	S	1.0	29.82	5.405	5.67	1.83	1.96	0.48	7.70	3.58	1899	37.2	35.6	4196	45.4
92							M	7.5	26.67	24.136	4.15	0.99	2.11	0.41	7.75	2.95	1432	71.0	56.7	2313	184.3
93							B	14.0	25.86	27.296	4.16	0.83	1.71	0.57	7.79	3.06	1421	84.9	47.3	2095	161.3
94		2000	08	07	22	00	S	1.0	29.75	3.327	6.31	2.02	2.89	0.39	7.93	3.86	2613	71.0	62.2	4547	82.7
95							M	7.3	26.55	24.619	3.85	0.91	3.04	0.35	7.75	3.18	1165	61.7	50.1	1856	170.2
96							B	13.5	26.20	25.996	3.60	0.86	2.28	0.31	7.76	3.10	879	53.1	48.0	2276	158.0

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
		Y	M	D	H	Min					Detection limit										
											0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
97		2000	08	08	01	00	S	1.0	29.31	3.353	6.12	1.72	3.37	0.37	7.90	2.94	2957	63.0	56.0	4448	72.0
98							M	7.5	26.11	26.475	3.88	1.28	1.98	0.41	7.86	2.39	984	53.7	50.8	1899	166.9
99							B	14.0	25.38	29.166	3.33	0.76	1.27	0.47	7.87	2.25	879	50.4	43.9	1450	136.0
100		2000	08	08	04	00	S	1.0	28.55	14.522	5.92	1.64	2.19	0.61	7.90	2.97	2098	86.9	50.4	2527	165.5
101							M	7.7	26.45	25.715	3.87	0.91	1.98	0.35	7.85	3.05	1494	57.1	46.0	1438	166.5
102							B	14.4	25.54	28.754	3.33	0.82	1.98	0.21	7.86	2.79	1618	55.7	41.8	1535	136.5
103		2000	08	08	07	00	S	1.0	28.78	2.601	5.84	1.56	2.66	0.20	7.87	2.44	2188	54.4	39.0	3717	63.4
104							M	8.0	26.62	24.910	4.36	0.95	2.23	0.10*	7.83	3.47	1089	61.0	49.4	1884	173.5
105							B	15.0	25.61	28.422	3.48	0.70	4.16	0.57	7.84	3.15	883	55.1	42.8	873	136.9
106		2000	08	08	10	00	S	1.0	29.13	3.346	5.06	1.86	2.13	0.39	7.74	4.34	2179	69.0	55.6	6504	126.6
107							M	7.0	26.88	23.501	4.19	1.14	1.84	0.31	7.83	4.22	1230	77.6	57.4	3962	197.9
108							B	12.9	25.79	27.991	3.40	0.92	1.46	0.59	7.86	5.29	731	58.4	47.7	3156	151.5
109	P19	2000	08	08	14	00	S	1.0	30.39	4.697	7.68	1.73	2.17	1.60	8.15	5.73	2089	35.8	17.6	3035	46.9
110							M	3.5	29.26	6.816	8.08	1.83	3.14	1.22	8.18	4.66	2297	35.8	14.2	3096	47.1
111							B	6.0	26.50	25.327	3.63	0.98	3.02	0.69	7.85	5.39	933	35.2	33.9	1411	97.4
112		2000	08	08	17	00	S	1.0	29.54	6.178	8.08	1.68	3.50	1.41	8.25	3.82	2098	43.1	18.3	2798	45.2
113							M	3.4	28.15	13.114	6.72	1.84	4.85	1.12	8.10	5.13	1926	41.8	21.1	2730	63.6
114							B	5.8	26.55	25.114	3.16	0.76	1.81	0.69	7.82	7.44	1121	53.1	36.3	1243	93.4
115		2000	08	08	20	00	S	1.0	28.76	11.011	6.11	1.84	2.57	1.02	7.99	7.20	1808	40.5	28.7	2473	98.7
116							M	3.4	27.47	17.160	4.84	1.60	2.32	1.10	7.90	6.70	2242	43.1	35.9	2858	128.3
117							B	5.8	26.45	25.555	3.12	0.81	5.52	0.82	7.81	8.60	2785	42.5	34.9	1159	91.7
118		2000	08	08	23	00	S	1.0	29.46	5.643	8.28	1.88	3.33	1.54	8.35	7.00	1637	26.5	3.5	3277	41.1
119							M	3.4	28.22	12.051	8.01	1.91	2.19	0.96	8.25	5.76	1971	45.8	3.8	2973	50.5
120							B	5.8	26.43	25.533	2.82	1.22	1.98	0.87	7.86	3.93	1237	65.0	37.0	1732	93.8

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No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
121		2000	08	09	02	00	S	1.0	29.18	5.847	8.01	1.81	2.66	0.98	8.29	6.02	1772	33.8	3.1	3756	41.6
122							M	4.0	28.26	14.288	7.14	1.79	3.14	0.81	8.25	4.75	2658	51.1	5.5	2892	53.6
123							B	7.0	26.35	26.275	3.53	0.86	2.55	0.57	7.86	4.73	915	51.8	34.6	1480	81.4
124		2000	08	09	05	00	S	1.0	29.01	7.816	7.74	2.20	3.27	1.20	7.48	4.99	1609	68.3	2.8	2694	41.6
125							M	3.4	27.39	23.071	6.66	2.08	2.49	1.13	8.13	4.01	2052	63.7	5.9	2715	73.5
126							B	5.8	26.32	26.808	3.19	1.20	2.32	0.79	7.86	2.64	1031	51.1	30.1	1480	72.0
127		2000	08	09	08	00	S	1.0	29.35	6.076	8.12	1.78	3.69	1.32	8.30	4.05	2215	53.1	3.1	2694	50.6
128							M	3.1	27.40	22.912	6.62	1.88	2.85	1.23	8.17	5.23	1835	49.8	5.2	2424	60.8
129							B	5.2	26.34	26.795	2.75	0.85	1.98	0.67	7.90	4.77	846	36.5	29.0	1159	70.9
130		2000	08	09	11	00	S	1.0	30.02	6.146	9.20	1.83	2.57	1.54	8.37	4.35	1530	13.9	1.7	3536	34.7
131							M	3.0	26.68	23.798	8.31	1.96	3.20	1.35	8.30	4.13	1476	23.2	2.1	3588	46.3
132							B	5.0	26.40	25.877	3.02	0.62	1.88	0.66	7.85	5.71	868	33.2	28.7	1564	85.0
133		2000	08	09	14	00	S	1.0	31.45	3.753	8.26	1.72	2.76	1.44	8.33	4.23	1989	36.5	13.1	3481	57.6
134							M	4.4	28.95	10.640	8.10	1.67	2.76	1.62	8.31	4.27	1845	27.9	8.3	3717	58.3
135							B	7.8	26.63	24.237	3.20	0.83	1.71	0.64	7.88	4.82	1071	37.8	29.0	1829	97.4
136	P20	2000	08	08	14	00	S	1.0	30.91	5.480	8.97	1.51	2.66	1.68	8.44	6.00	1505	37.2	7.6	4572	48.8
137							M	9.0	25.27	32.385	4.01	0.34	1.24	0.10*	8.01	4.08	1989	24.6	19.4	1394	36.4
138							B	17.0	25.18	32.562	3.52	0.31	1.14	0.10*	7.99	3.29	528	27.2	19.7	1253	36.0
139		2000	08	08	17	00	S	1.0	31.06	5.259	11.95	3.00	3.35	1.71	8.70	5.21	1523	47.8	4.5	4417	46.0
140							M	9.5	25.72	31.010	4.11	0.50	1.60	0.68	7.98	4.33	1826	20.6	19.4	1549	45.0
141							B	18.0	25.00	33.133	3.88	0.46	1.52	0.38	7.99	3.09	1027	28.5	21.1	1197	40.3
142		2000	08	08	20	00	S	1.0	30.27	5.908	10.59	2.49	2.76	2.31	8.58	6.69	1763	34.5	3.1	3886	44.8
143							M	9.3	25.31	32.462	3.92	0.47	1.20	0.49	8.00	2.22	326	23.2	18.3	760	40.9
144							B	17.5	24.74	33.642	3.94	0.42	2.80	0.10*	8.00	6.24	492	22.6	16.6	1112	34.1

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm^3)	Chinese COD (mg/dm^3)	Japanese COD (mg/dm^3)	BOD_5 (mg/dm^3)	pH	TOC (mg/dm^3)	TN (ug/dm^3)	TP (ug/dm^3)	PO_4-P (ug/dm^3)	SiO_2-Si (ug/dm^3)	NO_2-N (ug/dm^3)
											Detection limit										
		Y	M	D	H	Min					0.12	0.10	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5
145		2000	08	08	23	00	S	1.0	29.90	5.756	8.18	1.99	3.35	1.75	8.41	4.44	2152	17.3	5.5	4974	73.2
146							M	8.5	25.46	32.134	3.98	0.74	3.06	0.27	8.00	2.39	373	19.9	17.3	1056	35.5
147							B	16.0	24.70	33.735	3.94	0.90	1.52	0.10*	8.01	4.29	459	19.9	16.9	887	34.5
148		2000	08	09	02	00	S	1.0	29.31	6.967	6.64	1.69	1.81	0.48	7.95	4.07	2170	57.1	30.4	3536	108.4
149							M	9.5	24.98	33.087	3.93	0.45	1.73	0.28	7.99	3.91	369	21.9	19.0	943	33.2
150							B	18.0	24.62	33.849	4.09	0.38	1.29	0.10*	8.01	3.13	322	20.6	15.9	831	40.1
151		2000	08	09	05	00	S	1.0	28.62	14.065	6.59	1.73	2.00	1.00	8.08	2.49	1953	37.8	26.3	3581	100.7
152							M	9.8	25.43	32.016	4.02	0.50	1.35	0.24	7.98	3.64	485	24.6	19.4	915	35.5
153							B	18.5	24.58	33.932	3.86	0.46	1.92	0.47	8.00	3.42	539	34.5	19.0	1197	47.1
154		2000	08	09	08	00	S	1.0	29.13	6.475	7.30	1.72	2.28	0.96	8.24	3.69	2116	34.5	9.0	3484	88.4
155							M	9.5	25.27	32.541	3.87	0.54	3.06	0.42	7.97	2.40	412	19.9	18.7	1168	43.5
156							B	18.0	24.63	33.828	4.11	0.74	3.23	0.10*	8.01	3.00	434	18.6	17.3	732	43.0
157		2000	08	09	11	00	S	1.0	30.82	4.601	7.13	1.99	3.04	0.89	8.10	4.18	2740	32.5	22.1	2800	97.5
158							M	9.5	25.24	32.609	4.00	0.91	2.57	0.46	7.98	2.53	571	24.6	23.2	760	44.5
159							B	18.0	24.75	33.625	3.60	1.15	2.21	0.10*	8.00	2.23	438	32.5	18.0	535	40.1
160		2000	08	09	14	00	S	1.0	31.32	4.508	9.86	2.04	2.97	1.60	8.57	3.53	1709	17.3	1.7	3841	61.5
161							M	8.9	25.67	31.235	3.92	0.48	1.45	0.47	7.97	2.61	694	19.2	18.7	1605	43.1
162							B	16.8	24.91	33.326	3.70	0.53	2.21	0.31	7.98	3.62	600	23.2	19.4	873	35.1

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
1	P01	2000	08	09	20	00	S	1088.1	41.2							0.053	0.0147	12.41		*: Half value of detection limit
2							M	1091.9	112.1								0.0050	6.86		
3							B	1002.3	44.4								0.0102	3.11		
4		2000	08	09	23	00	S	1319.9	119.0								0.0029	13.78		
5							M	1265.3	114.9								0.0060	6.55		
6							B	1206.1	61.9								0.0110	2.44		
7		2000	08	10	02	00	S	1323.0	119.0							0.050	0.0138	16.39		
8							M	1291.4	117.8								0.0008*	4.01		
9							B	960.1	54.2								0.0133	2.40		
10		2000	08	10	05	00	S	1170.7	99.8								0.0167	6.97		
11							M	1033.8	102.3								0.0041	3.14		
12							B	872.7	61.1								0.1027	5.14		
13		2000	08	10	08	00	S	1285.0	125.1	0.0082	1.8	18.6	0.42	0.21	2.7	0.043	0.0209	15.39		
14							M	1148.7	75.4	0.017	1.2	25.5	1.39	0.39	2.7		0.0148	3.44		
15							B	923.7	64.4	0.011	0.9	32.5	1.12	0.43	2.8		0.0547	6.47		
16		2000	08	10	11	00	S	1141.0	80.3								0.0081	15.39		
17							M	1062.9	38.3								0.0078	2.05		
18							B	1023.2	29.3								0.0051	1.71		
19		2000	08	10	14	00	S	1299.2	78.6	0.016	1.2	12.2	0.64	0.12	3.5	0.038	0.0282	8.30		
20							M	1152.3	108.4	0.030	1.0	7.3	0.13	0.13	3.6		0.0334	12.18		
21							B	833.8	51.8	0.033	0.6	15.6	0.46	0.19	2.1		0.0911	6.01		
22		2000	08	10	17	00	S	1237.9	73.8								0.0267	8.86		
23							M	1082.1	141.0								0.0227	10.72		
24							B	942.2	60.3								0.0341	6.51		

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
25		2000	08	10	20	00	S	1222.0	128.0							0.048	0.0257	13.94		
26							M	1144.9	124.3								0.0213	9.73		
27							B	1119.7	111.2								0.0236	4.75		
28	P04	2000	08	09	20	00	S	1391.1	28.1							0.023	0.0042	2.74		
29							M	1459.8	17.9								0.0427	2.87		
30							B	1606.3	17.9								0.0171	2.50		
31		2000	08	09	23	00	S	1532.0	22.4								0.0461	2.47		
32							M	1515.6	13.0								0.0270	2.53		
33							B	1554.6	14.3								0.0522	2.53		
34		2000	08	10	02	00	S	1406.8	30.6							0.022	0.0047	2.75		
35							M	1400.3	21.6								0.0255	2.74		
36							B	1368.3	35.5								0.0481	3.11		
37		2000	08	10	05	00	S	1380.1	19.2								0.0201	3.59		
38							M	1420.8	22.8								0.0178	3.29		
39							B	1225.8	11.8								0.0145	3.16		
40		2000	08	10	08	00	S	1481.9	2.5*	0.020	1.6	18.7	1.15	0.12	3.5	0.026	0.0163	3.18		
41							M	1421.3	35.5	0.021	2.0	7.8	1.52	0.16	4.5		0.0091	3.48		
42							B	1422.1	31.4	0.021	1.2	8.4	0.84	0.09	2.7		0.0088	3.09		
43		2000	08	10	11	00	S	1537.0	13.9								0.0149	3.16		
44							M	1336.4	26.5								0.0381	3.31		
45							B	1435.1	30.6								0.0375	3.61		
46		2000	08	10	14	00	S	1444.6	47.7	0.030	1.2	2.0	0.86	0.11	4.2	0.016	0.0540	3.81		
47							M	1377.6	41.2	0.027	0.9	4.7	1.25	0.12	4.5		0.0666	3.46		
48							B	1347.7	23.2	0.027	0.8	7.1	1.55	0.09	5.4		0.0646	4.51		

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
49		2000	08	10	17	00	S	1405.5	38.3								0.0527	3.07		
50							M	1502.7	33.8								0.0606	3.20		
51							B	1369.1	29.7								0.0605	3.90		
52		2000	08	10	20	00	S	1455.6	32.6							0.024	0.0291	2.73		
53							M	1455.7	28.9								0.0552	2.63		
54							B	1518	36.3								0.0282	2.66		
55	P11	2000	08	07	10	00	S	1515.8	50.1							0.054	0.0134	1.67		
56							M	1108.4	5.3								0.0084	1.02		
57							B	704.4	27.3								0.0236	0.88		
58		2000	08	07	13	00	S	1383.9	9.8								0.0086	4.75		
59							M	1164.0	60.7								0.0112	2.67		
60							B	547.5	44.8								0.0559	1.15		
61		2000	08	07	16	00	S	1368.5	15.5							0.030	0.0275	8.56		
62							M	1387.4	50.1								0.0193	6.01		
63							B	390.9	21.6								0.0374	1.45		
64		2000	08	07	19	00	S	1384.5	9.4								0.0137	5.12		
65							M	1411.5	14.7								0.0138	6.29		
66							B	367.8	14.7								0.0195	1.68		
67		2000	08	07	22	00	S	1381.9	7.7	0.019	1.1	6.5	3.07	0.16	4.0	0.033	0.0163	3.88		
68							M	1088.4	20.4	0.020	0.9	6.3	1.03	0.14	3.8		0.0158	5.16		
69							B	486.5	16.7	0.023	0.5	19.0	1.89	0.39	4.1		0.0193	9.04		
70		2000	08	08	01	00	S	1531.6	47.3								0.0085	6.01		
71							M	1227.4	26.5								0.0081	6.49		
72							B	485.8	15.1								0.0427	1.08		

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
73		2000	08	08	04	00	S	1381.3	13.0	0.019	1.0	11.2	1.15	0.16	3.9	0.041	0.0101	4.70		
74							M	1332.7	12.2	0.016	0.7	6.3	0.50	0.17	3.9		0.0083	4.68		
75							B	444.7	17.5	0.039	0.8	6.7	1.53	0.17	3.7		0.0357	0.95		
76		2000	08	08	07	00	S	1175.3	6.5								0.0131	5.97		
77							M	1314.2	11.0								0.0117	4.66		
78							B	366.7	16.7								0.0240	1.11		
79		2000	08	08	10	00	S	1379.5	11.0							0.031	0.0048	10.80		
80							M	1394.7	17.1								0.0071	13.94		
81							B	468.1	26.1								0.0595	1.45		
82	P12	2000	08	07	10	00	S	1190.5	87.6							0.039	0.0027	2.48		
83							M	989.8	42.0								0.0054	1.33		
84							B	900.7	7.3								0.0097	1.27		
85		2000	08	07	13	00	S	1265.5	52.6								0.0072	2.46		
86							M	576.5	12.2								0.0098	1.07		
87							B	422.3	42.8								0.0385	0.90		
88		2000	08	07	16	00	S	1288.9	36.7							0.031	0.0294	4.36		
89							M	709.3	37.5								0.0037	2.77		
90							B	470.2	10.2								0.0104	0.83		
91		2000	08	07	19	00	S	1473.9	57.9								0.0140	2.98		
92							M	693.0	17.1								0.0098	2.50		
93							B	547.9	7.7								0.0068	1.44		
94		2000	08	07	22	00	S	1456.8	141.4	0.011	1.6	6.3	0.78	0.12	3.5	0.036	0.0163	7.08		
95							M	589.5	9.4	0.012	0.1	4.3	1.06	0.16	3.1		0.0030	1.99		
96							B	450.4	8.1	0.019	0.6	20.1	0.20	0.14	3.2		0.0078	1.57		

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
97		2000	08	08	01	00	S	1459.4	95.8								0.0161	4.49		
98							M	376.4	50.9								0.0093	1.75		
99							B	505.8	35.5								0.0197	0.86		
100		2000	08	08	04	00	S	904.1	40.3	0.011	0.7	5.7	0.61	0.12	2.7	0.035	0.0074	5.71		
101							M	768.0	5.3	0.020	0.6	2.6	2.23	0.12	2.9		0.0085	1.85		
102							B	801.3	70.1	0.004*	0.6	22.1	1.14	0.29	1.7		0.0086	1.16		
103		2000	08	08	07	00	S	877.8	122.7								0.0144	5.53		
104							M	660.1	38.3								0.0068	2.38		
105							B	411.0	10.6								0.0048	0.90		
106		2000	08	08	10	00	S	1157.4	81.9							0.033	0.0107	6.75		
107							M	706.3	23.6								0.0066	2.44		
108							B	419.9	6.1								0.0113	1.07		
109	P19	2000	08	08	14	00	S	1046.5	17.9							0.028	0.0062	18.07		
110							M	1114.2	23.6								0.0008*	28.57		
111							B	524.0	13.0								0.0122	4.51		
112		2000	08	08	17	00	S	1139.9	21.6								0.0008*	18.92		
113							M	1018.8	7.3								0.0056	17.15		
114							B	488.1	23.2								0.0053	2.57		
115		2000	08	08	20	00	S	1027.4	18.7							0.034	0.0023	18.61		
116							M	950.7	7.7								0.0075	12.48		
117							B	701.6	25.7								0.0151	3.07		
118		2000	08	08	23	00	S	1239.6	7.7								0.0063	19.68		
119							M	1230.2	17.5								0.0008*	23.05		
120							B	551.6	11.0								0.0054	4.70		

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No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
121		2000	08	09	02	00	S	1266.0	22.0							0.037	0.0075	26.65		
122							M	1111.1	10.2								0.0072	21.75		
123							B	465.3	44.8								0.0150	1.60		
124		2000	08	09	05	00	S	1048.4	36.3	0.024	1.7	12.3	0.88	0.18	2.3		0.0084	37.55		
125							M	1383.2	23.6	0.018	3.0	14.3	1.89	0.14	2.9		0.0030	28.72		
126							B	393.2	24.0	0.028	1.5	14.8	1.14	0.15	3.9		0.0089	1.85		
127		2000	08	09	08	00	S	1069.9	28.5							0.026	0.0008*	27.34		
128							M	1028.3	13.0								0.0008*	22.90		
129							B	433.3	35.9								0.0066	1.50		
130		2000	08	09	11	00	S	1178.7	13.0	0.020	1.6	6.5	0.80	0.19	3.3		0.0088	20.98		
131							M	1126.8	11.8	0.015	2.4	6.7	1.10	0.21	2.7		0.0104	29.87		
132							B	456.2	7.3	0.031	2.8	6.3	2.06	0.24	2.4		0.0222	2.92		
133		2000	08	09	14	00	S	1354.2	16.3							0.040	0.0049	19.07		
134							M	1256.0	7.3								0.0101	23.28		
135							B	450.5	2.5*								0.0113	3.48		
136	P20	2000	08	08	14	00	S	1174.7	15.5							0.032	0.0106	31.78		
137							M	160.5	28.9								0.0062	1.25		
138							B	194.9	28.9								0.0130	1.13		
139		2000	08	08	17	00	S	938.7	7.7								0.0111	51.82		
140							M	155.3	18.3								0.0075	3.01		
141							B	149.9	15.5								0.0107	1.57		
142		2000	08	08	20	00	S	997.6	18.3							0.036	0.0104	48.07		
143							M	152.6	19.6								0.0081	2.67		
144							B	105.1	41.6								0.0083	1.06		

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WATER QUALITY DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total page: 40

No.	Point No.	Sampling time					Depth	NO_3-N (ug/dm^3)	NH_3-N (ug/dm^3)	Hg (ug/dm^3)	Cu (ug/dm^3)	Zn (ug/dm^3)	Pb (ug/dm^3)	Cd (ug/dm^3)	As (ug/dm^3)	Oil (UV) (mg/dm^3)	SS (kg/m^3)	Chl-a (mg/m^3)	Coliform (ind/cm^3)	Remark
								Detection limit												
		Y	M	D	H	Min		6.0	5.0	0.008	0.2	3.1	0.03	0.01	0.4	0.010	0.0015	0.10		
145		2000	08	08	23	00	S	1152.6	44.8								0.0120	20.68		
146							M	192.0	13.0								0.0077	2.07		
147							B	108.1	25.7								0.0093	0.92		
148		2000	08	09	02	00	S	1297.4	26.5							0.032	0.0036	8.14		
149							M	245.8	8.1								0.0124	1.72		
150							B	124.6	16.3								0.0008*	0.81		
151		2000	08	09	05	00	S	1351.4	8.1	0.014	2.0	36.3	0.78	0.32	2.9		0.0079	10.34		
152							M	223.3	8.6	0.004*	1.6	38.9	0.79	0.14	2.0		0.0055	2.30		
153							B	147.9	17.9	0.011	1.9	27.2	1.88	0.30	1.9		0.0008*	1.99		
154		2000	08	09	08	00	S	1185.5	18.7							0.031	0.0008*	19.53		
155							M	225.4	25.3								0.0008*	1.84		
156							B	145.2	5.3								0.0162	0.84		
157		2000	08	09	11	00	S	1361.3	31.8	0.010	2.2	30.1	1.94	0.34	2.1		0.0021	16.39		
158							M	281.6	42.4	0.0098	2.8	15.4	3.37	0.20	1.6		0.0027	3.18		
159							B	126.3	19.6	0.013	1.2	6.3	2.21	0.10	1.3		0.0247	1.14		
160		2000	08	09	14	00	S	1111.6	8.6							0.037	0.0079	20.52		
161							M	215.7	7.7								0.0080	2.58		
162							B	196.8	12.2								0.0029	1.51		

Printer:Yu Han Sheng, He Xiao Yuan,Chen Jian Chang
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SEDIMENT DATA SHEET

ON RAINY SEASON

FOR

SINO-JAPAN JOINT STUDY

ON

THE PEARL RIVER ESTUARY

SOUTH CHINA SEA ENVIRONMENTAL MONITORING CENTRE
OF
STATE OCEANIC ADMINISTRATION
SEPT 2000

SEDIMENT DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

No	Point No	Sampling time					Grain content (%)				Type name	Eh	Organic matter (%)	Sulfide (10^{-6})	T-N (10^{-6})	T-P (10^{-6})	COD (10^{-6})	Ignition loss (%)		Oil (UV) (10^{-6})	Remark
																		Water content	Ignition loss		
		Y	M	D	H	Min	Gravel	Sand	Silt	Clay			Detection limit								
1	P01	2000	8	10			32.31	50.84	8.55	8.30	Gravel sand	110	2.30	6.56	114.00	84.80	5.75	19.884	1.671	151.9	
2	P02	2000	8	7				23.66	38.06	38.28	Silt-clay contained sand	115	2.27	71.63	123.60	72.55	4.57	35.569	5.774	941.9	
3	P03	2000	8	7				6.33	49.55	44.12	Clay-silt	133	1.81	26.05	118.30	62.65	3.68	35.636	7.280	104.1	
4	P04	2000	8	2				15.08	40.59	44.33	Silt-clay contained sand	78	1.51	17.22	130.50	55.10	8.07	31.121	6.839	46.87	
5	P05	2000	8	7			21.03	73.82	1.22	3.93	Gravel sand	154	0.65	55.12	55.10	22.00	0.52	14.491	1.101	32.20	
6	P06	2000	8	7				2.64	35.59	61.77	Silt clay	26	2.70	280.70	109.70	104.45	15.11	51.208	8.306	925.1	
7	P07	2000	8	7				13.29	34.94	51.77	Silt clay	109	2.37	63.14	118.40	60.10	13.07	39.308	6.365	102.9	
8	P08	2000	8	8				40.69	10.06	49.25	Sand-clay contained silt	41	2.50	221.75	86.10	53.90	11.14	35.368	6.561	577.9	
9	P09	2000	8	7			3.90	33.50	15.98	46.62	Sand-clay contained silt	58	2.13	42.77	109.20	60.35	9.38	33.761	6.465	88.48	
10	P10	2000	8	7				12.00	32.18	55.82	Silty clay contained sand	18	3.18	85.23	167.00	104.00	12.77	42.301	6.020	77.77	
11	P11	2000	7	31				13.17	36.87	49.97	Silt-clay contained sand	30	2.72	119.17	148.80	60.55	12.23	37.284	7.729	610.1	
12	P12	2000	7	31				0.89	31.10	68.01	Silt clay	23	2.87	28.02	105.50	103.70	11.15	51.097	8.565	128.03	
13	P13	2000	8	7				28.05	29.68	42.27	Sand-silt-clay	17	1.72	153.43	113.90	48.35	9.28	34.958	5.646	241.6	
14	P14	2000	8	7				2.73	42.73	54.54	Silt clay	29	2.74	53.68	92.70	67.15	12.83	39.767	7.843	278.8	
15	P15	2000	8	8				2.50	40.61	56.89	Silt clay	120	2.79	213.87	100.80	81.65	10.26	41.230	7.799	820.2	

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SEDIMENT DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Total page 2

No	Point No	Sampling time					Grain content (%)				Type name	Eh	Organic matter (%)	Sulfide (10^{-6})	T-N (10^{-6})	T-P (10^{-6})	COD (10^{-6})	Ignition loss (%)		Oil (UV) (10^{-6})	Remark
													Detection limit					Water content	Ignition loss		
		Y	M	D	H	Min	Gravel	Sand	Silt	Clay											
16	P16	2000	8	8				16.60	31.87	51.53	Silt clay	50	2.19	nt	138.30	77.25	3.69	38.335	7.357	147.3	
17	P17	2000	8	8				6.36	37.39	56.25	Silt clay	84	2.39	236.99	104.30	88.80	9.53	41.700	7.931	523.7	
18	P18	2000	8	8				20.96	41.23	37.81	Clay-silt contained sand	54	1.98	68.87	116.40	70.65	8.12	39.343	6.844	477.2	
19	P19	2000	8	1				10.17	35.72	54.11	Silty clay contained sand	46	2.25	45.45	76.30	74.90	9.85	39.689	7.758	97.65	
20	P20	2000	8	1				15.88	39.81	44.31	Silt-clay contained sand	63	2.42	58.33	91.00	84.10	9.23	42.916	7.377	107.4	
21	P21	2000	8	8				14.45	41.00	44.55	Silt-clay contained sand	47	2.19	146.28	108.30	92.45	14.82	42.209	7.130	165.3	
22	P22	2000	8	9				12.14	48.68	39.18	Clay-silt contained sand	49	2.10	134.88	111.20	78.30	7.01	40.662	6.390	215.9	
23	P23	2000	8	9				23.28	34.04	42.66	Silt-clay contained sand	15	2.11	207.58	135.20	76.30	10.74	41.281	6.999	390.6	
24	P24	2000	8	6				8.18	57.74	34.07	Silt clay	43	2.13	47.49	102.80	86.20	9.60	36.179	6.987	702.8	
25	P25	2000	8	6				11.76	47.56	40.68	Clay-silt contained sand	58	2.17	65.14	78.90	96.90	9.56	44.735	6.835	144.0	
26	P26	2000	8	4				21.64	50.47	27.89	Clayey silt contained sand	44	1.19	27.28	75.20	54.90	5.14	33.978	5.014	26.33	

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溶出実験結果(略号R)

P01

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
R-P01-0	6.06	3.716	0.1531	1.1976	0.0176	0.0471	0.0165
R-P01-1	4.26	2.911	0.1470	1.1629	0.0084	0.0425	0.0168
R-P01-2	1.86	2.740	0.1262	1.2398	0.0187	0.0458	0.0185
R-P01-3	3.66	3.463	0.0998	1.2865	0.0212	0.0690	0.0211
R-P01-5	8.56	2.794	0.0668	1.3858	0.0329	0.0458	0.0214

P12

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
R-P12-0	1.46	2.459	0.1366	0.6458	0.0225	0.0504	0.0278
R-P12-1	5.20	2.514	0.1391	0.7274	0.0686	0.0902	0.0290
R-P12-2	5.66	2.532	0.1378	0.8179	0.0437	0.0604	0.0307
R-P12-3	7.46	3.002	0.1403	0.7134	0.0446	0.0657	0.0298
R-P12-5	4.96	2.776	0.1593	0.7479	0.0301	0.0790	0.0324

P20

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
R-P20-0	1.00	2.034	0.0153	0.0183	0.0519	0.0292	0.0023
R-P20-1	1.06	1.600	0.0147	0.0352	0.0578	0.0226	0.0049
R-P20-2	0.74	1.248	0.0156	0.0323	0.0901	0.0239	0.0029
R-P20-3	0.54	1.465	0.0172	0.0317	0.1005	0.0737	0.0104
R-P20-5	2.40	1.076	0.0172	0.0669	0.0919	0.0591	0.0130

分解実験結果(略号D)

P01

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
D-P01-0	4.64	2.052	0.1054	1.8263	0.0272	0.0869	0.0153
D-P01-1	2.70	2.315	0.0680	1.6853	0.0261	0.0770	0.0098
D-P01-2	3.50	2.911	0.0545	1.5102	0.0411	0.0637	0.0072
D-P01-3	4.16	2.306	0.0833	1.4356	0.0336	0.0657	0.0081
D-P01-5	5.16	3.056	0.1378	0.8943	0.0225	0.0637	0.0061

P12

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
D-P12-0	3.00	2.468	0.0998	1.4751	0.0186	0.0690	0.0098
D-P12-1	3.56	1.908	0.1115	1.3819	0.0278	0.0624	0.0113
D-P12-2	5.72	2.767	0.1072	1.2689	0.0209	0.0557	0.0078
D-P12-3	4.96	2.342	0.1041	1.0223	0.0334	0.1022	0.0087
D-P12-5	5.26	2.441	0.2028	0.4904	0.0314	0.0637	0.0081

P20

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)
D-P20-0	5.20	1.799	0.0943	1.3685	0.0312	0.0557	0.0281
D-P20-1	4.16	1.763	0.0790	1.3073	0.0163	0.0524	0.0185
D-P20-2	4.02	1.682	0.0594	1.2709	0.0314	0.0458	0.0110
D-P20-3	4.26	2.369	0.1084	1.2372	0.0171	0.0770	0.0104
D-P20-5	5.66	1.863	0.1023	0.9375	0.0240	0.0703	0.0104

沈降実験結果(略号S)
P01、P12、P20

sample No	TOC (mg/L)	SS (mg/L)	T−N (mg/L)	T-P (mg/L)	chl-a (mg/m^3)
S-P01	3.95	0.1043	3.269	0.1892	18.08
S-P12	3.07	0.0323	3.024	0.1019	3.69
S-P20	2.79	0.0951	1.641	0.1311	12.79

AGP実験結果(略号P)

P01

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)	chl-a (mg/m3)
P-P01-0	3.70	3.065	0.0031	1.9184	0.0425	0.0591	0.0214	0.06
P-P01-5	3.50	2.432	0.0070	1.8126	0.0326	0.0591	0.0197	0.08
P-P01-10	3.20	2.930	0.0025	1.8680	0.0360	0.0591	0.0171	6.85

P12

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)	chl-a (mg/m3)
P-P12-0	2.30	2.830	0.1213	1.4791	0.0334	0.0657	0.0324	0.07
P-P12-5	7.30	3.029	0.1262	1.4895	0.0232	0.0471	0.0336	0.10
P-P12-10	3.20	2.731	0.1158	1.3980	0.0269	0.0504	0.0304	2.84

P20

sample No	COD(JAP) (mg/L)	T-N (mg/L)	NO2-N (mg/L)	N03-N (mg/L)	NH3-N (mg/L)	T-P (mg/L)	PO4-P (mg/L)	chl-a (mg/m3)
P-P20-0	3.10	2.830	0.1360	1.4848	0.0179	0.0537	0.0185	0.08
P-P20-5	2.80	1.872	0.1409	1.2403	0.0246	0.0524	0.0203	0.12
P-P20-10	2.76	2.875	0.1072	1.3352	0.0191	0.0504	0.0049	23.53

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —1

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P01			P02			P03		P04			P05		P06			P07			P08		
			U	M	B	U	M	B	U	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
1	CYANOPHYTA	*Dactylococcopsis acicularis*	244								203	186											64	
2		*Lyngbya sp.*							404															
3		*Merismopedia sp.*																		144				
4		*Merismopedia tenuissima*																				501		
5		*Microcystis sp.*																				188		
6		*Nostoc sp.*																		144				
7		*Phormidium sp.*	244																					
8		*Spirulina sp.*			202	200					203							191						
9		*Trichodesmium erythraeum*					406	588						416					269					
10		*Trichodesmium hildebrandtii*	244													189								
11		*Trichodesmium thiebautii*				200	203			491						189	199	382						
12		Cyanophyceae											1460											
13	PROCHLOROPHY	*Prochlorothrix sp.*								2460	1020	373	244											
14	DINOPHYTA	*Ceratiulina bergoni*									1420	3170	1710							576				
15		*Ceratiulina compacta*																						
16		*Ceratium furca*																						
17		*Ceratium trichoceros*																						
18		*Gonyostomum sp.*																			69			
19		*Gymnodinium sp.*																						
20		*Peridinium sp.*																						
21		*Prorocentrum micans*																						
22		*Prorocentrum sp.*																						
23		*Protoceratium sp.*																						
24		*Protoperidinium depressum*																						
25		*Protoperidinium sp.*																						
26	HAPTOPHYTA	Coccolithophorid													192							125		191
27	CHRYSOPHYTA	*Dictyocha fibula*																						
28		*Mesocena polymorpha v. bioctonaria*																						
29	BACILLARIOPHY	*Achnanthes sp.*																						
30		*Actinastrum Hantzschii*	1710	69	807						203													
31		*Actinocyclus ehrenbergii*																						
32		*Amphiprora sp.*																						
33		*Amphora sp.*																						
34		*Asterionella japonica*																						
35		*Bacteriastrum elongatum*																						
36		*Bacteriastrum hyalinum*																						
37		*Bacteriastrum varians*																						
38		*Biddulphia mobiliensis*																						
39		*Biddulphia sinensis*																						
40		*Chaetoceros affinis*																						
41		*Chaetoceros compressus*																						
42		*Chaetoceros curvisetus*																						
43		*Chaetoceros decipiens*																						
44		*Chaetoceros distans*																						
45		*Chaetoceros diversus*																						
46		*Chaetoceros lauderi*																						
47		*Chaetoceros lorenzianus*																						
48		*Chaetoceros muelleri*																						
49		*Chaetoceros pseudocurvisetus*																						
50		*Chaetoceros tortissimus*																						

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —2

Unit:cells/L

No.	DIVISION	Stn. / Species name / Layer	P01			P02			P03		P04			P05		P06			P07			P08		
			U	M	B	U	M	B	U	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
51	BACILLARIOPHY	*Chaetoceros sp.*																						
52		*Climacosphenia moniligera*												831										
53		*Coscinodiscus asteromphalus*				399	406	588								189	397							
54		*Coscinodiscus Granii*	1220	274	1010	1600	1830	5000					244											
55		*Coscinodiscus jonesianus*					609	1470					732	623	192			1910				125		
56		*Coscinodiscus lineatus*	489																					
57		*Coscinodiscus nodulifer*																						
58		*Coscinodiscus oculus-iridis*			403																			
59		*Coscinodiscus radiatus*		69	403	799	203	2350						1250	384		596	764						
60		*Coscinodiscus sp.*		137	403		203		202			186			768	378	1390	1720		432	69			64
61		*Cyclotella kützingiana*												708		378								
62		*Cyclotella sp.*	2680	754	202	799	2030	4120	606	4910	2030	3540	976	2490	1150	378	2180	4010	2150	1730	346	251	703	
63		*Cymbella tumida*								491														
64		*Cymbella sp.*								491	203	186				189			807	288	138			
65		*Dactyliosolen mediterraneus*	976																					
66		*Diploneis splendida*																						
67		*Ditylum brightwellii*							404															
68		*Ditylum sol*																						
69		*Epithemia sp.*																						
70		*Eucampia cornuta*																						
71		*Eucampia zoodiacus*																						
72		*Fragilaria virescens*								2460	1020	1300		623	192	378								
73		*Fragiluria sp.*		274	202	200	1010	1760	1010	2460	1420	1300	488	2490	1730		596	573	538	1300	415	439	511	573
74		*Gyrosigma sp.*							202	1470					192								128	
75		*Hemiaulus membranaceus*																						
76		*Lauderia borealis*																						
77		*Leptocylindrus danicus*																						
78		*Licmophora abbreviata*									406													
79		*Melosira granulata*	109000	52200	83100	165000	117000	156000	1210	7370	3250		7320	25100	45500	110000	180000	200000	1610	720	1110			2870
80		*Melosira granulata v. angustissima*	12700	10300	6660	9380	8110	3230	606	3440	2230	1490	5130		1730	1320	1590		1750	1440				
81		*Melosira jüergensi*								980									1750					
82		*Melosira sulcata*					1010																	
83		*Melosira varians*		1780	5240		2230		404		406													
84		*Melosira sp.*					203						2930											
85		*Navicula membranacea*									406	186												
86		*Navicula rhynchocephala*									203											63		
87		*Navicula sp.*	489	206	605	399	203	294	202	2950	609	746	244		384		199	191		288		188	64	127
88		*Nitzschia closterium*	244																		70			
89		*Nitzschia delicatissima*											976											
90		*Nitzschia linearis*		69																				
91		*Nitzschia longissima*	1220	411	202				202	491	406	559	244					382						
92		*Nitzschia longissima v. reversa*	244																					
93		*Nitzschia lorenziana*																						
94		*Nitzschia pungens*												623							138			
95		*Nitzschia seriata*																			208		511	127
96		*Nitzschia sigma*								2460											208			
97		*Nitzschia paradoxa*									813					757		3440						
98		*Nitzschia punctata*									406													
99		*Nitzschia sp.*	732	206			406	294	202	1470		186	244		384								64	64
100		*Pinnularia braunii*																						

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —3

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P01			P02			P03		P04			P05		P06			P07			P08		
			U	M	B	U	M	B	U	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
101	BACILLARIOPHY	*Pinnularia sp.*																						
102		*Planktoniella sol*																						
103		*Pleurosigma affine*				200	203		202	491									269	576				
104		*Pleurosigma sp.*		206			406					746					397							
105		*Rhabdonema sp.*																					128	
106		*Rhizosolenia acuminata*																						
107		*Rhizosolenia alata f. gracillima*																						
108		*Rhizosolenia delicatula*																						
109		*Rhizosolenia fragilissima*																						
110		*Rhizosolenia hebetata f. semispina*																						
111		*Rhizosolenia stolterfothii*																						
112		*Rhizosolenia styliformis*																						
113		*Rhizosolenia styliformis v. longispina*																						
114		*Rhizosolenia sp.*																						
115		*Rhopalodia sp.*		69								186												
116		*Skeletonema costatum*						2350							4800		4170		30300	7780	1660	564		1270
117		*Surirella sp.*	244							983	203	186	244											
118		*Synedra sp.*		206				294			406	559	732	208			199	191		288	69		128	
119		*Tabellaria binalis*			202																			
120		*Tabellaria sp.*								1970														
121		*Thalassionema nitzschioides*	488	206	202																138			
122		*Thalassionema sp.*														189	596							
123		*Thalassiosira decipiens*																						
124		*Thalassiosira sp.*																382			208	125	767	
125		*Thalassiothrix delicatula*																						
126		*Thalassiothrix frauenfeldii*																						
127		*Triceratium formosum*																382						
128		*Triceratium reticulum*																						
129		*Triceratium sp.*																						
130	RAPHIDOPHYTA	*Chattonella sp.*					203	588		491	203	373	244											
131	EUGLENOPHYTA	*Euglena sp.*	489													378								
132		*Lepocinclis ovam*		69	807																			
133		*Phacus caudatus*						294																
134		*Phacus longicauda*	244																					
135	CHLOROPHYTA	*Actidesmium Hookeri*																						64
136		*Ankistrodesmus falcatus*	3900																					
137		*Ankistrodesmus falcatus v.spirilliforn*	489	69							203													
138		*Ankistrodesmus sp.*		137																				
139		*Closterium strigosum*							202															
140		*Coelastrum sp.*	489	69						491														
141		*Crucigenia puadrata*																						
142		*Crucigenia rectangularis*										373												
143		*Crucigenia tetrapedia*																						
144		*Gonatozygon aculeatum*						294																
145		*Oocystis sp.*	976	137																				
146		*Pediastrum biradiatum*																	403					
147		*Pediastrum simplex v. clathratum*											488							144				
148		*Scenedesmus acuminatus*		69								746												
149		*Scenedesmus obliquus*																						
150		*Scenedesmus perforatus*		206																				

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —4

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P01			P02			P03		P04			P05		P06			P07			P08		
			U	M	B	U	M	B	U	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
151	CHLOROPHYTA	*Scenedesmus quadricauda*		206																				
152		*Scenedesmus quadricauda v. maximu*																						
153		*Scenedesmus sp.*																				125		
154		*Treubaria crassispina*	244																					
155		Chlorophyceae																						
156	Unknown	Micro-flagellates				799	406	11800		983		373	2930	623	768		1190	573	403	432	208	627	575	1020

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —5

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P09			P10		P11			P12			P13		P14			P15			P16		
			U	M	B	U	B	U	M	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
1	CYANOPHYTA	*Dactylococcopsis acicularis*																						
2		*Lyngbya sp.*															63							
3		*Merismopedia sp.*																						
4		*Merismopedia tenuissima*																						
5		*Microcystis sp.*					398																	
6		*Nostoc sp.*																						
7		*Phormidium sp.*																						
8		*Spirulina sp.*									131													
9		*Trichodesmium erythraeum*				303																		
10		*Trichodesmium hildebrandtii*																						
11		*Trichodesmium thiebautii*												193										
12		Cyanophyceae			73																			
13	PROCHLOROPHY	*Prochlorothrix sp.*																						
14	DINOPHYTA	*Cerataulina bergoni*																						
15		*Cerataulina compacta*																						
16		*Ceratium furca*																						
17		*Ceratium trichoceros*																						
18		*Gonyostomum sp.*																						
19		*Gymnodinium sp.*																						
20		*Peridinium sp.*																						
21		*Prorocentrum micans*																						
22		*Prorocentrum sp.*																						
23		*Protoceratium sp.*				303																		
24		*Protoperidinium depressum*																						
25		*Protoperidinium sp.*	1569	275	290	908	1590	198			229	570	531						66	102		470	192	
26	HAPTOPHYTA	Coccolithophorid	439	137		605	398		63	136														
27	CHRYSOPHYTA	*Dictyocha fibula*																	33					
28		*Mesocena polymorpha v. bioctonaria*																						
29	BACILLARIOPHY	*Achnanthes sp.*																						
30		*Actinastrum Hantzschii*																						
31		*Actinocyclus ehrenbergii*				303		132																
32		*Amphiprora sp.*																						
33		*Amphora sp.*																						
34		*Asterionella japonica*																						
35		*Bacteriastrum elongatum*																						
36		*Bacteriastrum hyalinum*																						
37		*Bacteriastrum varians*																						
38		*Biddulphia mobiliensis*																						
39		*Biddulphia sinensis*																						
40		*Chaetoceros affinis*			363																			
41		*Chaetoceros compressus*																						
42		*Chaetoceros curvisetus*																						
43		*Chaetoceros decipiens*																						
44		*Chaetoceros distans*																						
45		*Chaetoceros diversus*																						
46		*Chaetoceros lauderi*																						
47		*Chaetoceros lorenzianus*																			554			
48		*Chaetoceros muelleri*			1020																			
49		*Chaetoceros pseudocurvisetus*																						
50		*Chaetoceros tortissimus*																						

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —6

Unit:cells/L

No.	DIVISION	Species name \ Stn. / Layer	P09			P10		P11			P12			P13		P14			P15			P16		
			U	M	B	U	B	U	M	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
51	BACILLARIOPHY	*Chaetoceros sp.*									66													
52		*Climacosphenia moniligera*																						
53		*Coscinodiscus asteromphalus*																						
54		*Coscinodiscus Granii*																						
55		*Coscinodiscus jonesianus*	63	343	508																	31		714
56		*Coscinodiscus lineatus*			435																			
57		*Coscinodiscus nodulifer*																			277			
58		*Coscinodiscus oculus-iridis*																						
59		*Coscinodiscus radiatus*			73				63	68	33		59					1120						
60		*Coscinodiscus sp.*	63	69	653	303	398	397		204	33							374	98	153		63	288	178
61		*Cyclotella kützingiana*																						
62		*Cyclotella sp.*	377	1440	4790	2720	4380		189	475		190	354	193	209			2620		204	830		288	357
63		*Cymbella tumida*																						
64		*Cymbella sp.*				303													66		554			
65		*Dactyliosolen mediterraneus*																						
66		*Diploneis splendida*																						
67		*Ditylum brightwellii*																						
68		*Ditylum sol*			1090																		288	357
69		*Epithemia sp.*																					96	
70		*Eucampia cornuta*																						
71		*Eucampia zoodiacus*																						
72		*Fragilaria virescens*							63	272								748			277			
73		*Fragilaria sp.*	628		1160	1210	398	926	568	407	164	190	295	258	313	102	317	1870	197	663	2490	157	1150	2500
74		*Gyrosigma sp.*																						178
75		*Hemiaulus membranaceus*																						
76		*Lauderia borealis*																						
77		*Leptocylindrus danicus*		412	435																			
78		*Licmophora abbreviata*																						
79		*Melosira granulata*							189					451										
80		*Melosira granulata v. angustissima*																						
81		*Melosira jüergensi*																						
82		*Melosira sulcata*																						
83		*Melosira varians*																						
84		*Melosira sp.*																						
85		*Navicula membranacea*																						
86		*Navicula rhynchocephala*																						
87		*Navicula sp.*			290	605	796	198	379	136			118	65					66		277	63		
88		*Nitzschia closterium*																						
89		*Nitzschia delicatissima*	188	206	1310	303	1590	265			229	127	177				506							
90		*Nitzschia linearis*																						
91		*Nitzschia longissima*																						
92		*Nitzschia longissima v. reversa*																						
93		*Nitzschia lorenziana*				303	398																575	
94		*Nitzschia pungens*			1520		1190									68								
95		*Nitzschia seriata*																						
96		*Nitzschia sigma*																						
97		*Nitzschia paradoxa*								407														
98		*Nitzschia punctata*																						
99		*Nitzschia sp.*				605		132										748						
100		*Pinnularia braunii*									66													

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —7

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P09			P10		P11			P12			P13		P14			P15			P16		
			U	M	B	U	B	U	M	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
101	BACILLARIOPHY	*Pinnularia sp.*										60												
102		*Planktoniella sol*																						
103		*Pleurosigma affine*				303				68														
104		*Pleurosigma sp.*				303														51				
105		*Rhabdonema sp.*																						
106		*Rhizosolenia acuminata*																						
107		*Rhizosolenia alata f. gracillima*																						
108		*Rhizosolenia delicatula*																						
109		*Rhizosolenia fragilissima*	126																					
110		*Rhizosolenia hebetata f. semispina*																						
111		*Rhizosolenia stolterfothii*																						
112		*Rhizosolenia styliformis*																						
113		*Rhizosolenia styliformis v. longispina*																						
114		*Rhizosolenia sp.*			73																			
115		*Rhopalodia sp.*																						
116		*Skeletonema costatum*			871	5146	2790						3897								13284			4280
117		*Surirella sp.*					398																	
118		*Synedra sp.*	314					198								68	443			306	1940			892
119		*Tabellaria binalis*																						
120		*Tabellaria sp.*																						
121		*Thalassionema nitzschioides*			218						66			258										
122		*Thalassionema sp.*																						
123		*Thalassiosira decipiens*																						
124		*Thalassiosira sp.*	1506	3296	1310	4086780	2986560	1058	189	136	262	190	413	193	104			748	131	102		63		
125		*Thalassiothrix delicatula*																						
126		*Thalassiothrix frauenfeldii*																						
127		*Triceratium formosum*																						
128		*Triceratium reticulum*																						
129		*Triceratium sp.*																						
130	RAPHIDOPHYTA	*Chattonella sp.*					398																	
131	EUGLENOPHYTA	*Euglena sp.*																						
132		*Lepocinclis ovam*																						
133		*Phacus caudatus*																						
134		*Phacus longicauda*																						
135	CHLOROPHYTA	*Actidesmium Hookeri*																						
136		*Ankistrodesmus falcatus*																						
137		*Ankistrodesmus falcatus v.spirilliforn*																						
138		*Ankistrodesmus sp.*																						
139		*Closterium strigosum*																						
140		*Coelastrum sp.*																						
141		*Crucigenia puadrata*				1820																		
142		*Crucigenia rectangularis*																						
143		*Crucigenia tetrapedia*														137								
144		*Gonatozygon aculeatum*																						
145		*Oocystis sp.*																						
146		*Pediastrum biradiatum*																						
147		*Pediastrum simplex v. clathratum*	126																					
148		*Scenedesmus acuminatus*																						
149		*Scenedesmus obliquus*																						
150		*Scenedesmus perforatus*																						

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —8

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P09			P10		P11			P12			P13		P14			P15			P16		
			U	M	B	U	B	U	M	B	U	M	B	U	B	U	M	B	U	M	B	U	M	B
151	CHLOROPHYTA	*Scenedesmus quadricauda*				1210																		
152		*Scenedesmus quadricauda v. maximu*					1590																	
153		*Scenedesmus sp.*																						
154		*Treubaria crassispina*																						
155		Chlorophyceae					398																	
156	Unknown	Micro-flagellates	4331	2880	2180	1210	398	1587	1136	68	2360	1140	2360	129	1460	68	190	1870	98	561	1110	971	575	2140

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —9

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P16			P17			P18			P19			P20			P21			P22		
			U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
1	CYANOPHYTA	*Dactylococcopsis acicularis*																					
2		*Lyngbya sp.*																					
3		*Merismopedia sp.*																					
4		*Merismopedia tenuissima*																					
5		*Microcystis sp.*																					
6		*Nostoc sp.*																					
7		*Phormidium sp.*																					
8		*Spirulina sp.*																					
9		*Trichodesmium erythraeum*																					
10		*Trichodesmium hildebrandtii*																					
11		*Trichodesmium thiebautii*																					
12		Cyanophyceae										32									1760	196	
13	PROCHLOROPHY	*Prochlorothrix sp.*																					
14	DINOPHYTA	*Cerataulina bergoni*																				2350	1820
15		*Cerataulina compacta*																		1260	504		
16		*Ceratium furca*							33														
17		*Ceratium trichoceros*																			126		
18		*Gonyostomum sp.*																					
19		*Gymnodinium sp.*							33	138													
20		*Peridinium sp.*				105	18		98	447	111					80							
21		*Prorocentrum micans*																					
22		*Prorocentrum sp.*																					
23		*Protoceratium sp.*																					
24		*Protoperidinium depressum*																					
25		*Protoperidinium sp.*	470	192																			
26	HAPTOPHYTA	Coccolithophorid									557			565				110					101
27	CHRYSOPHYTA	*Dictyocha fibula*																					
28		*Mesocena polymorpha v. bioctonaria*																					
29	BACILLARIOPHY	*Achnanthes sp.*																					
30		*Actinastrum Hantzschii*																					
31		*Actinocyclus ehrenbergii*																					
32		*Amphiprora sp.*													33	482							
33		*Amphora sp.*									223											294	
34		*Asterionella japonica*																					404
35		*Bacteriastrum elongatum*																					
36		*Bacteriastrum hyalinum*																293			6810	294	2020
37		*Bacteriastrum varians*																					
38		*Biddulphia mobiliensis*																					
39		*Biddulphia sinensis*																					
40		*Chaetoceros affinis*																			4910	686	707
41		*Chaetoceros compressus*																			630		606
42		*Chaetoceros curvisetus*								550						321		659			51000	11800	14600
43		*Chaetoceros decipiens*																			756	1180	
44		*Chaetoceros distans*																					
45		*Chaetoceros diversus*																					
46		*Chaetoceros lauderi*																			4160		
47		*Chaetoceros lorenzianus*									223	64				161	196				1890	686	3330
48		*Chaetoceros muelleri*																					
49		*Chaetoceros pseudocurvisetus*																				881	505
50		*Chaetoceros tortissimus*																			4540		

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —10

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P16			P17			P18			P19			P20			P21			P22		
			U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
51	BACILLARIOPHY	*Chaetoceros sp.*								172									628				
52		*Climacosphenia moniligera*																					
53		*Coscinodiscus asteromphalus*				35																	
54		*Coscinodiscus Granii*																					101
55		*Coscinodiscus jonesianus*	31		714				33	103			313								126		
56		*Coscinodiscus lineatus*																					
57		*Coscinodiscus nodulifer*																					
58		*Coscinodiscus oculus-iridis*																					
59		*Coscinodiscus radiatus*									111						196						
60		*Coscinodiscus sp.*	63	288	178			189	33	69	223	160	1560	2820	167	161	979					98	
61		*Cyclotella kützingiana*																					
62		*Cyclotella sp.*		288	357		70	566	98		334			565	33		588			418	126	98	
63		*Cymbella tumida*																					
64		*Cymbella sp.*				70																	
65		*Dactyliosolen mediterraneus*							33	138								110		628	2650	1470	1820
66		*Diploneis splendida*								34													
67		*Ditylum brightwellii*							33	172			313				881				252		
68		*Ditylum sol*		288	357											80				837	13600	490	1920
69		*Epithemia sp.*		96																			
70		*Eucampia cornuta*																					
71		*Eucampia zoodiacus*																					
72		*Fragilaria virescens*																					
73		*Fragilaria sp.*	157	1150	2500	35	175	189	98	206	669	32	1880	3390	400	241	1760	256	456	628	5670	196	505
74		*Gyrosigma sp.*			178					34	111						196						
75		*Hemiaulus membranaceus*														80							
76		*Lauderia borealis*								103										1880	1260		1510
77		*Leptocylindrus danicus*													133			768	1480	418	35200	588	606
78		*Licmophora abbreviata*																					
79		*Melosira granulata*				982						191	8450										
80		*Melosira granulata v. angustissima*																					
81		*Melosira jüergensi*																					
82		*Melosira sulcata*															1180						
83		*Melosira varians*																					
84		*Melosira sp.*																					
85		*Navicula membranacea*																					
86		*Navicula rhynchocephala*																					
87		*Navicula sp.*	63			35			33	34	111				33			73	228				202
88		*Nitzschia closterium*																					
89		*Nitzschia delicatissima*				35	140			206	334		626	1130	300	562	1470	1240	171000	5020			
90		*Nitzschia linearis*																					
91		*Nitzschia longissima*																					
92		*Nitzschia longissima v. reversa*																					
93		*Nitzschia lorenziana*		575													294	402	17100				
94		*Nitzschia pungens*				70	210	378	98	241	1340										1890	3230	1110
95		*Nitzschia seriata*																					
96		*Nitzschia sigma*																					
97		*Nitzschia paradoxa*																					
98		*Nitzschia punctata*																					
99		*Nitzschia sp.*								103		64			67			110		209			
100		*Pinnularia braunii*																					

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —11

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P16			P17			P18			P19			P20			P21			P22		
			U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
101	BACILLARIOPHY	*Pinnularia sp.*																					
102		*Planktoniella sol*												565									
103		*Pleurosigma affine*																		628			101
104		*Pleurosigma sp.*																439					
105		*Rhabdonema sp.*																					
106		*Rhizosolenia acuminata*																					
107		*Rhizosolenia alata f. gracillima*																					
108		*Rhizosolenia delicatula*																			15900	1860	
109		*Rhizosolenia fragilissima*														161					4540	3530	1410
110		*Rhizosolenia hebetata f. semispina*																					
111		*Rhizosolenia stolterfothii*														161		256		2090	6810	1080	3030
112		*Rhizosolenia styliformis*									111												101
113		*Rhizosolenia styliformis v. longispina*															196				2520	196	303
114		*Rhizosolenia sp.*																					
115		*Rhopalodia sp.*																					
116		*Skeletonema costatum*			4280					275				2260				329					
117		*Surirella sp.*																					
118		*Synedra sp.*			892					69							1080			837			101
119		*Tabellaria binalis*																					
120		*Tabellaria sp.*																					
121		*Thalassionema nitzschioides*							33	241	223	64	313	1690	100	402	784		228	628	1130	98	2420
122		*Thalassionema sp.*																					
123		*Thalassiosira decipiens*																			252	294	
124		*Thalassiosira sp.*	63			70	105	189	131	138	223	32	939			241		220	684				303
125		*Thalassiothrix delicatula*																183	228				101
126		*Thalassiothrix frauenfeldii*																					
127		*Triceratium formosum*																					
128		*Triceratium reticulum*																					
129		*Triceratium sp.*														80							
130	RAPHIDOPHYTA	*Chattonella sp.*								516													
131	EUGLENOPHYTA	*Euglena sp.*																				294	
132		*Lepocinclis ovam*																					
133		*Phacus caudatus*																					
134		*Phacus longicauda*																					
135	CHLOROPHYTA	*Actidesmium Hookeri*																					
136		*Ankistrodesmus falcatus*																					
137		*Ankistrodesmus falcatus v.spirilliforn*																					
138		*Ankistrodesmus sp.*																					
139		*Closterium strigosum*																					
140		*Coelastrum sp.*																					
141		*Crucigenia puadrata*																					
142		*Crucigenia rectangularis*																					
143		*Crucigenia tetrapedia*																					
144		*Gonatozygon aculeatum*																					
145		*Oocystis sp.*																					
146		*Pediastrum biradiatum*																					
147		*Pediastrum simplex v. clathratum*																					
148		*Scenedesmus acuminatus*				70																	
149		*Scenedesmus obliquus*																					
150		*Scenedesmus perforatus*																					

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —12

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P16			P17			P18			P19			P20			P21			P22		
			U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
151	CHLOROPHYTA	*Scenedesmus quadricauda*																					
152		*Scenedesmus quadricauda v. maximu*																					
153		*Scenedesmus sp.*																					
154		*Treubaria crassispina*																					
155		Chlorophyceae																					
156	Unknown	Micro-flagellates	971	575	2140	175	281	755		2370	1110	128			233	161	294	622	1710	628	1640	1760	808

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —13

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P23			P24			P25			P26		
			U	M	B	U	M	B	U	M	B	U	M	B
1	CYANOPHYTA	*Dactylococcopsis acicularis*												
2		*Lyngbya sp.*												
3		*Merismopedia sp.*												
4		*Merismopedia tenuissima*												
5		*Microcystis sp.*												
6		*Nostoc sp.*												
7		*Phormidium sp.*												
8		*Spirulina sp.*												
9		*Trichodesmium erythraeum*												
10		*Trichodesmium hildebrandtii*												
11		*Trichodesmium thiebautii*						87						
12		Cyanophyceae												
13	PROCHLOROPHY	*Prochlorothrix sp.*												
14	DINOPHYTA	*Cerataulina bergoni*							644					
15		*Cerataulina compacta*				631								
16		*Ceratium furca*												
17		*Ceratium trichoceros*						87						38
18		*Gonyostomum sp.*												
19		*Gymnodinium sp.*												
20		*Peridinium sp.*												
21		*Prorocentrum micans*									159			
22		*Prorocentrum sp.*	300					433						38
23		*Protoceratium sp.*												
24		*Protoperidinium depressum*												38
25		*Protoperidinium sp.*												
26	HAPTOPHYTA	Coccolithophorid												
27	CHRYSOPHYTA	*Dictyocha fibula*												
28		*Mesocena polymorpha v. bioctonaria*												38
29	BACILLARIOPHY	*Achnanthes sp.*												
30		*Actinastrum Hantzschii*	400											
31		*Actinocyclus ehrenbergii*												
32		*Amphiprora sp.*												
33		*Amphora sp.*												
34		*Asterionella japonica*									478			
35		*Bacteriastrum elongatum*											1266	112
36		*Bacteriastrum hyalinum*											2850	
37		*Bacteriastrum varians*											48400	
38		*Biddulphia mobiliensis*				210								
39		*Biddulphia sinensis*											317	
40		*Chaetoceros affinis*							1500		2390		3480	
41		*Chaetoceros compressus*	500							1190				
42		*Chaetoceros curvisetus*	14400	22300	655	6730		3640	70400	240000	60700		7600	1500
43		*Chaetoceros decipiens*								2380				
44		*Chaetoceros distans*											2850	
45		*Chaetoceros diversus*											2530	
46		*Chaetoceros lauderi*											633	
47		*Chaetoceros lorenzianus*	600	2200	468		1630				1430		4430	
48		*Chaetoceros muelleri*												
49		*Chaetoceros pseudocurvisetus*							644		2870			
50		*Chaetoceros tortissimus*												

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —14

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P23			P24			P25			P26		
			U	M	B	U	M	B	U	M	B	U	M	B
51	BACILLARIOPHY	*Chaetoceros sp.*	100			631								112
52		*Climacosphenia moniligera*												
53		*Coscinodiscus asteromphalus*												38
54		*Coscinodiscus Granii*												38
55		*Coscinodiscus jonesianus*				105								
56		*Coscinodiscus lineatus*												
57		*Coscinodiscus nodulifer*												
58		*Coscinodiscus oculus-iridis*												
59		*Coscinodiscus radiatus*												
60		*Coscinodiscus sp.*												
61		*Cyclotella kützingiana*												
62		*Cyclotella sp.*		105	94	315	217	433						75
63		*Cymbella tumida*												
64		*Cymbella sp.*	600			315	326							
65		*Dactyliosolen mediterraneus*	300	1570	562	1890		1560		28600	2870		950	112
66		*Diploneis splendida*												
67		*Ditylum brightwellii*	700		94	631			1070	3580	1430			
68		*Ditylum sol*	1700	837	562	946								
69		*Epithemia sp.*												
70		*Eucampia cornuta*			375	736								
71		*Eucampia zoodiacus*											950	
72		*Fragilaria virescens*												
73		*Fragilaria sp.*	100		281	946	978	760						75
74		*Gyrosigma sp.*												
75		*Hemiaulus membranaceus*												
76		*Lauderia borealis*	900					1300	858					
77		*Leptocylindrus danicus*	1500	941	187	2210	1200		9660	57200	2390		6010	
78		*Licmophora abbreviata*												
79		*Melosira granulata*											1270	
80		*Melosira granulata v. angustissima*												
81		*Melosira jüergensi*												
82		*Melosira sulcata*												
83		*Melosira varians*												
84		*Melosira sp.*												
85		*Navicula membranacea*												
86		*Navicula rhynchocephala*												
87		*Navicula sp.*			187	105	109	346	215		478		633	38
88		*Nitzschia closterium*												
89		*Nitzschia delicatissima*	300	314	281	2210	5540	1820	215	7150	318		950	
90		*Nitzschia linearis*												
91		*Nitzschia longissima*											317	
92		*Nitzschia longissima v. reversa*												
93		*Nitzschia lorenziana*												
94		*Nitzschia pungens*	200			2520		519	429	5370	1270		317	38
95		*Nitzschia seriata*												
96		*Nitzschia sigma*												
97		*Nitzschia paradoxa*												
98		*Nitzschia punctata*												
99		*Nitzschia sp.*				736	109							
100		*Pinnularia braunii*												

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —15

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P23			P24			P25			P26		
			U	M	B	U	M	B	U	M	B	U	M	B
101	BACILLARIOPHY	*Pinnularia sp.*			94	110								
102		*Planktoniella sol*												
103		*Pleurosigma affine*		209		210							2850	150
104		*Pleurosigma sp.*				105								
105		*Rhabdonema sp.*												
106		*Rhizosolenia acuminata*											317	
107		*Rhizosolenia alata f. gracillima*						87		596			317	
108		*Rhizosolenia delicatula*	800							5370				
109		*Rhizosolenia fragilissima*	200	418	187			693		4770	637			
110		*Rhizosolenia hebetata f. semispina*											317	
111		*Rhizosolenia stolterfothii*	1200	2510	375	946	870	606	858	29800	3340		317	
112		*Rhizosolenia styliformis*	200	314	187	315	652	1040	215		318		633	
113		*Rhizosolenia styliformis v. longispina*	300		94	105	326	760		596			317	112
114		*Rhizosolenia sp.*												
115		*Rhopalodia sp.*												
116		*Skeletonema costatum*		2820		1160		1650					4120	
117		*Surirella sp.*												
118		*Synedra sp.*	100			105	217	173	215					75
119		*Tabellaria binalis*												
120		*Tabellaria sp.*												
121		*Thalassionema nitzschioides*		314	375	210	326	1130	429	1190	955		2850	337
122		*Thalassionema sp.*												
123		*Thalassiosira decipiens*		837						2380				
124		*Thalassiosira sp.*				105	326							
125		*Thalassiothrix delicatula*												
126		*Thalassiothrix frauenfeldii*							215	596	318			
127		*Triceratium formosum*	100											
128		*Triceratium reticulum*												
129		*Triceratium sp.*												
130	RAPHIDOPHYTA	*Chattonella sp.*												
131	EUGLENOPHYTA	*Euglena sp.*		523										150
132		*Lepocinclis ovam*												
133		*Phacus caudatus*												
134		*Phacus longicauda*												
135	CHLOROPHYTA	*Actidesmium Hookeri*												
136		*Ankistrodesmus falcatus*												
137		*Ankistrodesmus falcatus v.spirilliforn*												
138		*Ankistrodesmus sp.*												
139		*Closterium strigosum*												
140		*Coelastrum sp.*												
141		*Crucigenia puadrata*												
142		*Crucigenia rectangularis*												
143		*Crucigenia tetrapedia*												
144		*Gonatozygon aculeatum*												
145		*Oocystis sp.*												
146		*Pediastrum biradiatum*												
147		*Pediastrum simplex v. clathratum*												
148		*Scenedesmus acuminatus*												
149		*Scenedesmus obliquus*	400											
150		*Scenedesmus perforatus*												

Table Species and cell number of Phytoplankton in Pearl River Estuary : Rainy season —16

Unit:cells/L

No.	DIVISION	Species name / Stn. / Layer	P23			P24			P25			P26		
			U	M	B	U	M	B	U	M	B	U	M	B
151	CHLOROPHYTA	*Scenedesmus quadricauda*												
152		*Scenedesmus quadricauda v. maximu*												
153		*Scenedesmus sp.*												
154		*Treubaria crassispina*												
155		Chlorophyceae												
156	Unknown	Micro-flagellates	900	1880	562	315	652	1130	4290	2380	318			

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—1

Unit: ind/m^3

No.		Stn. No. / Species name	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10
1	DINOPHYTA	*Noctiluca scintillans*										
2	CNIDARIA	*Euphysora bigelowi*										
3		*Aequorea conica*										
4		*Euphysa aurata*								2.78		
5		*Ectopleura daniontieri*										
6		*Aequorea sp.*										
7		*Eirene ceylonensis*										
8		*Eirene menoni*										
9		*Eirene sp.*										
10		*Clytia sp.*									1.87	10.00
11		*Obelia sp.*									1.87	
12		*Liriope tetraphylla*										
13		*Solmundella bitentaculata*										
14		*Lensia subtiloides*									0.93	
15		*Malagazzia carolinae*										
16	CTENOPHORA	*Pleurobrachia globosa*									2.80	10.00
17	MOLLUSCA	*Atlanta sp.*										
18		*Creseis acicula*		5.56								
19	ANNELIDA	Polychaeta larvae	3.80	13.89	18.75	53.13	37.50	8.33		8.33	0.93	10.00
20	ARTHROPODA	*Penilia avirostris*	1593.48	113.89		9.38	875.00	54.17	8.33			20.00
21		*Evadne tergestina*	9.24									
22		*Euconchoecia mamai*										
23		*Cypridina dentata*		8.33								
24		*Cypridina acuminata*								11.11		
25		*Canthocalanus pauper*									14.95	
26		*Nannocalanus minor*										
27		*Undinula vulgaris*							4.17		11.21	
28		*Eucalanus crassus*										
29		*Eucalanus subcrassus*									11.21	
30		*Acrocalanus gibber*				3.13			4.17		11.21	20.00
31		*Acrocalanus gracilis*						16.67				
32		*Acrocalanus longicornis*										
33		*Paracalanus aculeatus*								8.33		
34		*Paracalanus crassirostris*	7.07		2225.00	103.13	18.75	95.83	135.42	6577.78	1614.95	510.00
35		*Paracalanus parvus*					6.25			16.67	7.48	

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—2

Unit: ind/m^3

No.		Stn. No. / Species name	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10
36	ARTHROPODA	*Clausocalanus arcuicornis*										
37		*Clausocalanus farrani*										
38		*Clausocalanus furcatus*										
39		*Calocalanus pavoninus*										
40		*Euchaeta concinna*										
41		*Scolecithricella braddyi*										
42		*Scolecithricella longispinosa*										
43		*Scolecithricella sp.*										
44		*Temora discaudata*										
45		*Temora turbinata*										40.00
46		*Centropages dorsispinatus*										
47		*Centropages orsini*										
48		*Sinocalanus sinensis*				*159.38*						
49		*Schmackeria dubia*				*9.38*						
50		*Schmackeria inopinus*	20.65	36.96	143.75	18.75		33.33			29.91	
51		*Schmackeria poplesia*	3188.59	263.04	2362.50	462.50	62.50	741.67	29.17	5.56	549.53	40.00
52		*Schmackeria sp.*	4.35	2.17			43.75					
53		*Candacia bradyi*										
54		*Calanopia elliptica*										
55		*Calanopia minor*										
56		*Labidocera bipinnata*									11.21	
57		*Labidocera euchaeta*										
58		*Acartia bifilosa*										880.00
59		*Acartia clausi*								77.78	48.60	70.00
60		*Acartia pacifica*										
61		*Acartia spinicauda*					25.00	33.33	56.25	413.89	598.13	30.00
62		*Acartiella sinensis*	68.48	97.83	17812.50		31.25	5233.33		1227.78	1009.35	260.00
63		*Tortanus derjugini*										
64		*Tortanus dextrilobatus*				3.13	18.75				14.95	
65		*Tortanus forcipatus*										
66		*Tortanus gracilis*										20.00
67		*Tortanus spinicaudatus*					12.50					
68		*Oithona brevicornis*										
69		*Oithona decipiens*										
70		*Oithona nana*										

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—3

Unit: ind/m^3

No.		Stn. No. / Species name	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10
71	ARTHROPODA	*Oithona plumifera*										
72		*Oithona rigida*										
73		*Oithona similis*										
74		*Oithona simplex*			12.50							
75		*Oithona tenuis*										
76		*Oncaea conifera*										
77		*Oncaea dentipes*										
78		*Oncaea media*										
79		*Oncaea mediterranea*										
80		*Oncaea sp.*										
81		*Sapphirina nigromaculata*										
82		*Sapphirina stellata*										
83		*Corycaeus affinis*										
84		*Corycaeus agilis*										
85		*Corycaeus andrewsi*										
86		*Corycaeus asiaticus*										
87		*Corycaeus dahli*										
88		*Corycaeus flaccus*										
89		*Corycaeus lubbocki*										
90		*Corycaeus pacificus*										
91		*Corycaeus pumilus*						4.17				
92		*Corycaeus rostratus*										
93		*Microsetella norvegica*										
94		*Euterpina acutifrons*	4.89						12.50		33.64	
95		*Clytemnestra rostrata*						4.17				
96		Copepodite of Copepoda	4113.59	523.91	13475.00	393.75	350.00	10700.00	112.50	2908.33	1992.52	1520.00
97		*Anchylomera blossevillei*								5.56		
98		*Vibilia stebbingi*	1.63	5.56								
99		*Pseudeuphausia latifrons*										
100		Pseudeuphausia larvae	3.80			9.38				8.33	3.74	
101		*Lucifer hanseni*									1.87	
102		*Lucifer intermedius*										
103	ARTHROPODA	Lucifer larvae							2.08		2.80	
104		Brachyura larvae	1.63	11.11	12.50	25.00	93.75	8.33		11.11	3.74	10.00
105		*Exopalaemon sp.*										

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—4

Unit: ind/m^3

No.		Stn. No. / Species name	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10
106	ARTHROPODA	Macrura larvae	19.57	77.78	75.00	140.63	2418.75	50.00	2.08	30.56	5.61	30.00
107		Oratosquilla larvae										
108	CHAETOGNATHA	*Sagitta bedoti*								11.11	19.63	
109		*Sagitta enflata*					6.25				1.87	
110		*Sagitta nagae*										
111		*Sagitta neglecta*										
112		larva of Chaetognatha							2.08	5.56	2.80	
113	PROTOCHORDATA	*Oikopleura albicans*										
114		*Oikopleura longicauda*									3.74	
115		*Oikopleura megastoma*										
116		*Oikopleura rufescens*							4.17	8.33	6.54	
117		*Doliolina obscur*										
118		*Doliolum denticulatum*									3.74	
119		*Dolioletta gegenbauri*							6.25		5.61	
120		*Thalia orientalis*										
121		*Brooksia rostrata*										
122	VERTEBRATA	Fish egg		5.56	6.25	9.38				2.78	0.93	10.00
123		Fish larvae	25.54	16.67	37.50	53.13	193.75	8.33		25.00	2.80	20.00

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—5

Unit: ind/m^3

No.		Stn. No. / Species name	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
1	DINOPHYTA	*Noctiluca scintillans*										
2	CNIDARIA	*Euphysora bigelowi*		1.39								
3		*Aequorea conica*										
4		*Euphysa aurata*										
5		*Ectopleura daniontieri*										
6		*Aequorea sp.*										0.69
7		*Eirene ceylonensis*								1.00		
8		*Eirene menoni*		1.39		4.17		1.22		2.00		2.78
9		*Eirene sp.*		1.39					3.33			
10		*Clytia sp.*	5.56	2.78	5.00	8.33	5.56	1.22	6.67	1.00	2.50	0.69
11		*Obelia sp.*									2.50	
12		*Liriope tetraphylla*	1.85	2.78								
13		*Solmundella bitentaculata*										
14		*Lensia subtiloides*				4.17		1.22		2.00	2.50	0.69
15		*Malagazzia carolinae*			20.00							
16	CTENOPHORA	*Pleurobrachia globosa*	11.11	16.67			2.78	4.88	26.67		20.00	0.69
17	MOLLUSCA	*Atlanta sp.*										
18		*Creseis acicula*										
19	ANNELIDA	Polychaeta larvae	11.11	2.78	25.00	16.67	2.78	95.12	13.33	43.00	72.50	15.28
20	ARTHROPODA	*Penilia avirostris*										
21		*Evadne tergestina*										
22		*Euconchoecia mamai*										
23		*Cypridina dentata*					30.56	14.63	10.00			5.56
24		*Cypridina acuminata*					25.00					9.72
25		*Canthocalanus pauper*						3.66		8.00		22.22
26		*Nannocalanus minor*										1.39
27		*Undinula vulgaris*	1.85					1.22				8.33
28		*Eucalanus crassus*										1.39
29		*Eucalanus subcrassus*									5.00	2.78
30		*Acrocalanus gibber*	1.85	18.06	10.00			35.37	40.00	52.00	5.00	65.97
31		*Acrocalanus gracilis*		11.11				12.20	13.33	4.00		24.31
32		*Acrocalanus longicornis*								1.00		5.56
33		*Paracalanus aculeatus*		9.72			11.11					5.56
34		*Paracalanus crassirostris*	4703.70	3719.44	14470.00	13525.00	10155.56	4492.68	13216.67	2472.00	1695.00	1912.50
35		*Paracalanus parvus*	33.33	6.94			13.89	14.63	6.67	3.00	2.50	4.86

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—6

Unit: ind/m^3

No.		Species name \ Stn. No.	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
36	ARTHROPODA	*Clausocalanus arcuicornis*								9.00		
37		*Clausocalanus farrani*						3.66		2.00		
38		*Clausocalanus furcatus*										
39		*Calocalanus pavoninus*										
40		*Euchaeta concinna*										0.69
41		*Scolecithricella braddyi*										
42		*Scolecithricella longispinosa*										2.78
43		*Scolecithricella sp.*								1.00		
44		*Temora discaudata*										5.56
45		*Temora turbinata*								3.00		11.11
46		*Centropages dorsispinatus*								1.00		
47		*Centropages orsini*										
48		*Sinocalanus sinensis*										
49		*Schmackeria dubia*										
50		*Schmackeria inopinus*		116.67	110.00	3416.67	19.44	2.44	63.33			0.69
51		*Schmackeria poplesia*	4148.15	30.56	40.00	108.33	152.78	4.88	173.33	2.00		1.39
52		*Schmackeria sp.*		1.39	5.00	4.17						
53		*Candacia bradyi*								2.00		
54		*Calanopia elliptica*										
55		*Calanopia minor*										
56		*Labidocera bipinnata*	1.85	4.17				12.20		6.00	10.00	2.78
57		*Labidocera euchaeta*							3.33		2.50	0.69
58		*Acartia bifilosa*										
59		*Acartia clausi*					11.11					
60		*Acartia pacifica*					22.22					
61		*Acartia spinicauda*	2062.96	1458.33	60.00	133.33	6597.22	1445.12	6210.00	126.00	975.00	1376.39
62		*Acartiella sinensis*	1333.33	2176.39	2930.00	4666.67	11905.56	802.44	4506.67	23.00	512.50	68.75
63		*Tortanus derjugini*										
64		*Tortanus dextrilobatus*			5.00	66.67						
65		*Tortanus forcipatus*										
66		*Tortanus gracilis*						2.44		3.00	15.00	2.78
67		*Tortanus spinicaudatus*										
68		*Oithona brevicornis*										
69		*Oithona decipiens*				8.33						
70		*Oithona nana*								4.00		2.78

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—7

Unit: ind/m^3

No.		Stn. No. / Species name	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
71	ARTHROPODA	*Oithona plumifera*										0.69
72		*Oithona rigida*										1.39
73		*Oithona similis*										
74		*Oithona simplex*									2.50	2.78
75		*Oithona tenuis*										
76		*Oncaea conifera*								1.00		
77		*Oncaea dentipes*										
78		*Oncaea media*	1.85							3.00		
79		*Oncaea mediterranea*										1.39
80		*Oncaea sp.*										
81		*Sapphirina nigromaculata*										
82		*Sapphirina stellata*										
83		*Corycaeus affinis*										
84		*Corycaeus agilis*										2.78
85		*Corycaeus andrewsi*								4.00		
86		*Corycaeus asiaticus*										
87		*Corycaeus dahli*										
88		*Corycaeus flaccus*										
89		*Corycaeus lubbocki*										
90		*Corycaeus pacificus*										
91		*Corycaeus pumilus*										
92		*Corycaeus rostratus*										
93		*Microsetella norvegica*										
94		*Euterpina acutifrons*	1.85				22.22	4.88	6.67	100.00	5.00	166.67
95		*Clytemnestra rostrata*										
96		Copepodite of Copepoda	3925.93	4919.44	6575.00	12725.00	7016.67	3141.46	9533.33	2065.00	2050.00	1874.31
97		*Anchylomera blossevillei*										
98		*Vibilia stebbingi*										
99		*Pseudeuphausia latifrons*										1.39
100		Pseudeuphausia larvae				4.17	5.56	8.54	6.67	2.00	7.50	5.56
101		*Lucifer hanseni*					27.78	9.76	13.33	18.00		50.00
102		*Lucifer intermedius*										22.22
103	ARTHROPODA	Lucifer larvae					16.67	13.41	6.67	7.00		23.61
104		Brachyura larvae	3.70	2.78	5.00	0.00	2.78	8.54	6.67	2.00	5.00	3.47
105		*Exopalaemon sp.*										5.56

Table　Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—8

Unit: ind/m^3

No.		Stn. No. / Species name	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
106	ARTHROPODA	Macrura larvae	22.22	6.94	40.00	12.50	11.11	14.63	13.33	16.00	17.50	13.89
107		Oratosquilla larvae		5.56						2.00		
108	CHAETOGNATHA	*Sagitta bedoti*	50.00		5.00	12.50	2.78	20.73	76.67	13.00	160.00	50.00
109		*Sagitta enflata*		45.83				2.44		8.00	2.50	31.94
110		*Sagitta nagae*										1.39
111		*Sagitta neglecta*										
112		larva of Chaetognatha	20.37	15.28			2.78	50.00	16.67	36.00	27.50	47.22
113	PROTOCHORDATA	*Oikopleura albicans*										
114		*Oikopleura longicauda*	7.41				5.56	3.66		6.00		2.78
115		*Oikopleura megastoma*										
116		*Oikopleura rufescens*	20.37		15.00		16.67	10.98	13.33	14.00	15.00	10.42
117		*Doliolina obscur*										
118		*Doliolum denticulatum*										
119		*Dolioletta gegenbauri*			10.00							4.17
120		*Thalia orientalis*										
121		*Brooksia rostrata*										
122	VERTEBRATA	Fish egg	1.85	1.39	10.00	4.17	11.11	4.88	6.67	2.00	5.00	39.58
123		Fish larvae	14.81	5.56	15.00	16.67	19.44	19.51	30.00	3.00	35.00	15.28

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—9

Unit: ind/m^3

No.		Stn. No. / Species name	P21	P22	P23	P24	P25	P26
1	DINOPHYTA	*Noctiluca scintillans*						
2	CNIDARIA	*Euphysora bigelowi*						
3		*Aequorea conica*	2.00		1.56			
4		*Euphysa aurata*					0.71	
5		*Ectopleura daniontieri*	2.00					
6		*Aequorea sp.*						
7		*Eirene ceylonensis*					4.29	
8		*Eirene menoni*		3.57	3.13	6.67	5.71	
9		*Eirene sp.*					1.43	
10		*Clytia sp.*	4.00	4.76	4.69	10.00	1.43	8.33
11		*Obelia sp.*		1.19	1.56	6.67		4.17
12		*Liriope tetraphylla*	8.00	2.38	3.13		3.57	
13		*Solmundella bitentaculata*			3.13		0.71	
14		*Lensia subtiloides*		1.19	3.13		2.14	4.17
15		*Malagazzia carolinae*						
16	CTENOPHORA	*Pleurobrachia globosa*	4.00	1.19	3.13		0.71	4.17
17	MOLLUSCA	*Atlanta sp.*	10.00				2.14	
18		*Creseis acicula*					22.14	
19	ANNELIDA	Polychaeta larvae	32.00	44.05	89.06	6.67	31.43	29.17
20	ARTHROPODA	*Penilia avirostris*	16.00	10.71	65.63	36.67	27.14	
21		*Evadne tergestina*	76.00	61.90	1462.50	106.67	1662.14	
22		*Euconchoecia mamai*					5.71	
23		*Cypridina dentata*					8.57	
24		*Cypridina acuminata*					10.00	
25		*Canthocalanus pauper*		40.48	6.25		14.29	
26		*Nannocalanus minor*					9.29	
27		*Undinula vulgaris*		15.48	3.13			
28		*Eucalanus crassus*		3.57			0.71	
29		*Eucalanus subcrassus*		47.62				
30		*Acrocalanus gibber*	32.00	14.29	170.31	6.67	72.14	4.17
31		*Acrocalanus gracilis*	20.00	59.52	10.94		1.43	4.17
32		*Acrocalanus longicornis*		10.71			4.29	8.33
33		*Paracalanus aculeatus*	150.00	116.67			3.57	100.00
34		*Paracalanus crassirostris*	3896.00	3511.90	1962.50	10920.00	964.29	11887.50
35		*Paracalanus parvus*	6.00	4.76	4.69		1.43	133.33

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—10

Unit: ind/m^3

No.		Stn. No. / Species name	P21	P22	P23	P24	P25	P26
36	ARTHROPODA	*Clausocalanus arcuicornis*						
37		*Clausocalanus farrani*					2.14	
38		*Clausocalanus furcatus*					5.71	
39		*Calocalanus pavoninus*		2.38				
40		*Euchaeta concinna*						
41		*Scolecithricella braddyi*		1.19				
42		*Scolecithricella longispinosa*						
43		*Scolecithricella sp.*						
44		*Temora discaudata*		9.52			17.14	
45		*Temora turbinata*	14.00	72.62	10.94	13.33	332.14	45.83
46		*Centropages dorsispinatus*						
47		*Centropages orsini*		2.38				
48		*Sinocalanus sinensis*						
49		*Schmackeria dubia*						
50		*Schmackeria inopinus*						8.33
51		*Schmackeria poplesia*						
52		*Schmackeria sp.*						
53		*Candacia bradyi*		14.29			5.00	
54		*Calanopia elliptica*					2.14	
55		*Calanopia minor*		16.67				
56		*Labidocera bipinnata*	6.00	29.76	3.13		0.71	
57		*Labidocera euchaeta*			3.13			
58		*Acartia bifilosa*						
59		*Acartia clausi*		19.05				
60		*Acartia pacifica*						
61		*Acartia spinicauda*	374.00	221.43	121.88	466.67	0.71	145.83
62		*Acartiella sinensis*	6.00	20.24		53.33	21.43	
63		*Tortanus derjugini*						*25.00*
64		*Tortanus dextrilobatus*						
65		*Tortanus forcipatus*		2.38				
66		*Tortanus gracilis*	4.00	2.38		23.33		
67		*Tortanus spinicaudatus*						
68		*Oithona brevicornis*	34.00	25.00				1079.17
69		*Oithona decipiens*						12.50
70		*Oithona nana*			3.13	40.00		

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—11

Unit: ind/m^3

No.		Stn. No. / Species name	P21	P22	P23	P24	P25	P26
71	ARTHROPODA	*Oithona plumifera*						
72		*Oithona rigida*	18.00	39.29				
73		*Oithona similis*					12.14	550.00
74		*Oithona simplex*						
75		*Oithona tenuis*					1.43	
76		*Oncaea conifera*			3.13	3.33	0.71	4.17
77		*Oncaea dentipes*		2.38				
78		*Oncaea media*						
79		*Oncaea mediterranea*		3.57				
80		*Oncaea sp.*					9.29	
81		*Sapphirina nigromaculata*					2.14	
82		*Sapphirina stellata*	4.00	1.19				
83		*Corycaeus affinis*			4.69			
84		*Corycaeus agilis*	4.00	4.76		6.67	0.71	4.17
85		*Corycaeus andrewsi*						
86		*Corycaeus asiaticus*		1.19				
87		*Corycaeus dahli*		7.14				4.17
88		*Corycaeus flaccus*			4.69			4.17
89		*Corycaeus lubbocki*		2.38				
90		*Corycaeus pacificus*		3.57			2.86	
91		*Corycaeus pumilus*						
92		*Corycaeus rostratus*			3.13			
93		*Microsetella norvegica*					5.00	8.33
94		*Euterpina acutifrons*	24.00	82.14	204.69	243.33	55.00	75.00
95		*Clytemnestra rostrata*						
96		Copepodite of Copepoda	3244.00	1477.38	3421.88	3290.00	592.86	3566.67
97		*Anchylomera blossevillei*						
98		*Vibilia stebbingi*						
99		*Pseudeuphausia latifrons*					4.29	
100		Pseudeuphausia larvae	8.00	4.76	14.06	0.00	10.00	
101		*Lucifer hanseni*	30.00	9.52	50.00	123.33	15.71	8.33
102		*Lucifer intermedius*			26.56	176.67	9.29	
103	ARTHROPODA	Lucifer larvae	24.00	14.29	73.44	93.33	27.86	12.50
104		Brachyura larvae	6.00	8.33		3.33	1.43	4.17
105		*Exopalaemon sp.*			10.94			

Table Species and individuals of Zooplankton in Pearl River Estuary: Rainy season—12

Unit: ind/m^3

No.		Stn. No. / Species name	P21	P22	P23	P24	P25	P26
106	ARTHROPODA	Macrura larvae	30.00	21.43	23.44	13.33	13.57	29.17
107		Oratosquilla larvae						
108	CHAETOGNATHA	*Sagitta bedoti*	40.00	58.33	112.50	26.67	12.14	8.33
109		*Sagitta enflata*	6.00	40.48	46.88	10.00	50.71	12.50
110		*Sagitta nagae*						
111		*Sagitta neglecta*			3.13		4.29	
112		larva of Chaetognatha	26.00	116.67	57.81	26.67	49.29	70.83
113	PROTOCHORDATA	*Oikopleura albicans*			6.25		24.29	
114		*Oikopleura longicauda*	6.00	7.14	18.75	13.33	13.57	20.83
115		*Oikopleura megastoma*					5.00	
116		*Oikopleura rufescens*	14.00	25.00	46.88	36.67	32.14	54.17
117		*Doliolina obscur*					5.00	
118		*Doliolum denticulatum*		15.48		63.33	6.43	16.67
119		*Dolioletta gegenbauri*	4.00	78.57	81.25	1263.33	1913.57	175.00
120		*Thalia orientalis*				26.67	2.86	
121		*Brooksia rostrata*			3.13		2.14	
122	VERTEBRATA	Fish egg	254.00	7.14	6.25	40.00	22.14	4.17
123		Fish larvae	14.00	3.57	35.94	3.33	20.00	8.33