

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in spring tide

Total Page 4

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m
		Y	M	D	H	Min	Position													
1	P02	2000	12	10	07	37	deck	118.4	122.6	123.9	124.3	124.8	125.2	126.2	125.8	128.6	133.3			
2							water	71.58	38.06	16.04	2.646	0.5464	0.2772	0.7268	0.2692	0.3440	0.1134			
3	P03	2000	12	10	09	00	deck	443.2	493.4	522.2	533.0	505.4	491.7							
4							water	88.65	36.54	10.43	2.066	0.7147	0.3649							
5	P04	2000	12	10	07	45	deck	142.1	149.4	157.4	161.7	167.3	172.8	166.5	153.4	135.8	144.9			
6							water	70.60	15.64	1.118	0.2246	0.1517	0	0	0	0	0			
7	P05	2000	12	10	08	30	deck	310.7	333.3	316.8	318.6	329.5	356.7							
8							water	54.79	10.77	0.8993	0.1386	0.08973	0.1715							
9	P06	2000	12	10	09	03	deck	1030	1017	1013	1008	1008	1029	1034						
10							water	234.1	54.48	10.82	0.8086	0.08973	0.09873	0.2203						
11	P07	2000	12	10	06	45	deck	Dark												
12							water	Dark												
13	P08	2000	12	10	09	55	deck	1378	1379	1392	1397	1399	1414	1428	1454					
14							water	552.3	14.00	10.43	7.564	2.443	0.06480	0.08792	0.03190					
15	P09	2000	12	10	11	04	deck	1269	1404	1152	1262	1081	1374	1361	1369	1660	1540			
16							water	752.1	633.8	364.5	112.8	20.20	7.794	4.157	3.431	3.194	1.086			
17	P10	2000	12	09	16	50	deck	118.2	116.7	114.2	112.0	109.2								
18							water	42.22	21.04	5.725	2.641	0.9478								
19	P14	2000	12	10	05	00	deck	Dark												

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		Y	M	D	H	Min	Position													
20							Dark													
21	P15	2000	12	10	08	00	240.1	247.4	285.4	282.3	282.5									
22							68.38	16.74	6.200	0.9231	0									
23	P16	2000	12	10	12	28	1645	1644	1652	1659	1657	1642	1647	1649	1660	1656	1653	1654	1654	1661
24							1206	807.9	528.8	215.2	137.7	61.60	26.36	9.771	4.305	1.960	0.5713	1.152	0.3340	
25	P17	2000	12	10	09	05	700.9	719.6	718.8	764.6	794.1									
26							60.83	14.74	3.882	0.2289	0									
27	P18	2000	12	10	13	15	1576	1545	1546	1530	1516	1514	1480	1470	1439	1433	1423	1419	1404	
28							881.4	522.9	288.4	112.1	37.89	15.33	5.197	3.048	1.037	0.8806	0.4656	0.3669	0.2851	
29	P21	2000	12	10	10	00	1429	1431	1179	1072	1026	980.5	1069	1285	1347					
30							202.2	161.2	87.30	24.08	3.742	2.637	1.139	0.3678	0.3269					
31	P23	2000	12	10	14	42	369.8	375.0	376.4	388.2	373.6	385.8	362.4	372.0	318.4	369.4	369.5	380.2		
32							414.2	348.5	222.7	98.99	42.38	23.13	10.35	6.300	3.122	0.6957	0.1219	0		
33	P24	2000	12	10	12	25	1601	1628	1276	1072	1242	975.4	1095	1281	916.0					
34							159.8	97.71	96.86	16.56	12.91	9.312	2.031	1.318	0.3439					
35	P25	2000	12	10	13	35	1165	1147	1171	1200	1196	1180	1100	1228	1183	1266	1168	1249	1022	
36							653.5	706.7	643.6	401.7	243.7	143.4	94.66	54.07	34.36	18.60	10.17	7.118	3.677	
37	P27	2000	12	10	11	15	329.3	340.4	347.6	382.7	390.4	345.7	322.3	321.9	326.2					
38							87.14	76.16	50.98	25.50	3.308	2.006	0.7523	0.3598	0.07001					

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Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark	
		Y	M	D	H	Min	Position												
1	P02	2000	12	10	07	37	deck											Monitoring time: 0700-1800	
2							water												
3	P03	2000	12	10	09	00	deck												
4							water												
5	P04	2000	12	10	07	45	deck												
6							water												
7	P05	2000	12	10	08	30	deck												
8							water												
9	P06	2000	12	10	09	03	deck												
10							water												
11	P07	2000	12	10	06	45	deck												
12							water												
13	P08	2000	12	10	09	55	deck												
14							water												
15	P09	2000	12	10	11	04	deck												
16							water												
17	P10	2000	12	09	16	50	deck												
18							water												
19	P14	2000	12	10	05	00	deck												

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No	Point No	SAMPLING TIME				Depth		12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position											
20																		
21	P15	2000	12	10	08	00												
22																		
23	P16	2000	12	10	12	28	1680	1397										
24							0.2360	0.007975										
25	P17	2000	12	10	09	05												
26																		
27	P18	2000	12	10	13	15	1396											
28							0.2034											
29	P21	2000	12	10	10	00												
30																		
31	P23	2000	12	10	14	42												
32																		
33	P24	2000	12	10	12	25												
34																		
35	P25	2000	12	10	13	35	1100	1232	1176	1207	1268	1210	1215	1215				
36							2.834	1.908	1.301	0.8775	0.4088	0.2039	0.07296	0				
37	P27	2000	12	10	11	15												
38																		

Monitoring time: 0700-1800

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No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
1	P02	2000	12	04	07	39	deck	46.88	46.77	47.52	48.72	50.30	51.48	53.04	53.08	51.71	48.50		
2							water	31.96	16.38	7.446	2.580	1.183	0.5872	0.4736	0.4566	0.2772	0.1057		
3	P03	2000	12	04	09	00	deck	19.46	12.67	29.54	28.96	29.30							
4							water	16.67	3.192	0.5042	0.07017	0.04644							
5	P04	2000	12	04	14	15	deck	61.69	97.30	109.7	83.59	118.5	107.5	97.39	116.6	93.61	112.8		
6							water	166.7	32.98	7.014	1.002	0.1317	0.01517	0.006917	0	0	0		
7	P05	2000	12	04	08	35	deck	142.4	143.8	145.2	147.4	149.5	151.4	153.8					
8							water	104.1	49.83	26.79	11.14	4.458	1.380	0.3509					
9	P06	2000	12	04	09	25	deck	197.4	182.0	175.4	200.3	200.8	207.1	210.4					
10							water	149.6	60.19	60.22	13.68	4.630	2.204	0.9631					
11	P07	2000	12	04	12	50	deck	75.44	66.53	76.69	58.16	65.38	63.42	73.86					
12							water	124.8	25.75	2.586	0.2872	0.03641	0	0					
13	P08	2000	12	04	10	20	deck	367.7	361.2	355.6	351.0	346.1	341.6	337.4	336.5				
14							water	256.2	125.6	59.68	24.14	5.494	2.678	0.8654	0.6530				
15	P09	2000	12	04	11	35	deck	748.6	764.2	777.4	786.2	798.4	804.2	796.8	780.5	763.4	733.2	714.4	700.5
16							water	520.3	311.1	151.0	65.66	22.92	10.22	3.716	1.397	0.7348	0.2772	0.1715	0.08075
17	P10	2000	12	04	18	40	deck	Dark											
18							water	Dark											
19	P14	2000	12	04	15	35	deck	266.9	266.3	265.8	266.7	265.5	266.3						
20							water	160.6	47.44	15.56	2.009	0.09770	0.1057						

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No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
21	P15	2000	12	04	08	30	deck	81.82	80.10	79.94	78.39	75.57	72.77	71.83	69.11				
22							water	64.00	7.231	0.2394	0.07954	0.1112	0.02426	0.05748	0.01615				
23	P16	2000	12	04	13	16	deck	528.1	520.8	523.1	518.4	518.5	520.8	522.4	522.9	519.8	515.9	515.6	509.0
24							water	316.8	165.2	94.14	42.68	15.52	4.958	1.902	0.5962	0.3598	0.3669	0.2034	0.3012
25	P17	2000	12	04	09	30	deck	122.0	133.4	125.4	127.4	136.2	143.0	133.5					
26							water	119.43	0.5239	0.3518	0.08975	0.01517	0.03285	0.01541					
27	P18	2000	12	04	14	16	deck	439.1	440.1	433.1	428.3	425.6	423.7	420.8	418.2	415.6	412.8	415.4	417.1
28							water	236.6	144.7	99.78	46.26	23.75	11.54	6.622	3.871	2.270	1.429	0.9063	0.5224
29	P21	2000	12	04	10	15	deck	228.1	274.8	266.6	270.5	282.0	286.9	293.1	281.9				
30							water	126.1	2.021	0.5643	0.04145	0.05696	0.05715	0.1045	0.08101				
31	P23	2000	12	04	14	45	deck	246.3	235.3	231.4	231.7	232.8	233.0	234.5	237.7	239.2	238.0	242.0	246.7
32							water	161.2	113.3	62.33	36.75	18.94	10.62	3.032	1.171	0.5864	0.1142	0.1467	0.03112
33	P24	2000	12	04	12	15	deck	328.6	327.1	322.6	335.4	333.4	329.4						
34							water	16.90	15.91	8.802	0.6495	0.1150	0.1969						
35	P25	2000	12	04	13	25	deck	251.8	229.7	217.6	221.3	224.6	218.4	217.7	217.4	216.2	212.7	205.5	205.0
36							water	141.6	112.4	99.57	69.60	43.16	32.51	22.18	15.64	11.44	7.871	5.345	4.012
37	P27	2000	12	04	11	25	deck	338.4	335.4	350.7	345.9	337.7	358.6	359.0	362.6				
38							water	1.446	0.4571	0.01522	0.01532	0.01691	0.08981	0.08172	0.03193				

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Total Page 4

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
1	P02	2000	12	04	07	39	deck												Monitoring time: 0700~1800
2							water												
3	P03	2000	12	04	09	00	deck												
4							water												
5	P04	2000	12	04	14	15	deck												
6							water												
7	P05	2000	12	04	08	35	deck												
8							water												
9	P06	2000	12	04	09	25	deck												
10							water												
11	P07	2000	12	04	12	50	deck												
12							water												
13	P08	2000	12	04	10	20	deck												
14							water												
15	P09	2000	12	04	11	35	deck	681.8											
16							water	0.04885											
17	P10	2000	12	04	18	40	deck												
18							water												
19	P14	2000	12	04	15	35	deck												
20							water												

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No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
21	P15	2000	12	04	08	30	deck												Monitoring time: 0700-1800
22							water												
23	P16	2000	12	04	13	16	deck												
24							water												
25	P17	2000	12	04	09	30	deck												
26							water												
27	P18	2000	12	04	14	16	deck	420.4	426.6	436.8									
28							water	0.4407	0.2552	0.1545									
29	P21	2000	12	04	10	15	deck												
30							water												
31	P23	2000	12	04	14	45	deck												
32							water												
33	P24	2000	12	04	12	15	deck												
34							water												
35	P25	2000	12	04	13	25	deck	203.4	204.3	205.2	200.5	196.0	196.7	191.0	191.9	186.6			
36							water	2.446	2.387	1.629	1.466	0.9901	0.7694	0.4722	0.3597	0.2288			
37	P27	2000	12	04	11	25	deck												
38							water												

Printer:Chen Jian Chang
 Checker:Kuang Zheng Chang
 Examiner:Zhong Si Sheng

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No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
1	P02	2000	12	04	07	39	deck	46.88	46.77	47.52	48.72	50.30	51.48	53.04	53.08	51.71	48.50		
2							water	31.96	16.38	7.446	2.580	1.183	0.5872	0.4736	0.4566	0.2772	0.1057		
3	P03	2000	12	04	09	00	deck	19.46	12.67	29.54	28.96	29.30							
4							water	16.67	3.192	0.5042	0.07017	0.04644							
5	P04	2000	12	04	14	15	deck	61.69	97.30	109.7	83.59	118.5	107.5	97.39	116.6	93.61	112.8		
6							water	166.7	32.98	7.014	1.002	0.1317	0.01517	0.006917	0	0	0		
7	P05	2000	12	04	08	35	deck	142.4	143.8	145.2	147.4	149.5	151.4	153.8					
8							water	104.1	49.83	26.79	11.14	4.458	1.380	0.3509					
9	P06	2000	12	04	09	25	deck	197.4	182.0	175.4	200.3	200.8	207.1	210.4					
10							water	149.6	60.19	60.22	13.68	4.630	2.204	0.9631					
11	P07	2000	12	04	12	50	deck	75.44	66.53	76.69	58.16	65.38	63.42	73.86					
12							water	124.8	25.75	2.586	0.2872	0.03641	0	0					
13	P08	2000	12	04	10	20	deck	367.7	361.2	355.6	351.0	346.1	341.6	337.4	336.5				
14							water	256.2	125.6	59.68	24.14	5.494	2.678	0.8654	0.6530				
15	P09	2000	12	04	11	35	deck	748.6	764.2	777.4	786.2	798.4	804.2	796.8	780.5	763.4	733.2	714.4	700.5
16							water	520.3	311.1	151.0	65.66	22.92	10.22	3.716	1.397	0.7348	0.2772	0.1715	0.08075
17	P10	2000	12	04	18	40	deck	Dark											
18							water	Dark											
19	P14	2000	12	04	15	35	deck	266.9	266.3	265.8	266.7	265.5	266.3						
20							water	160.6	47.44	15.56	2.009	0.09770	0.1057						

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		Y	M	D	H	Min	Position												
21	P15	2000	12	04	08	30	deck	81.82	80.10	79.94	78.39	75.57	72.77	71.83	69.11				
22							water	64.00	7.231	0.2394	0.07954	0.1112	0.02426	0.05748	0.01615				
23	P16	2000	12	04	13	16	deck	528.1	520.8	523.1	518.4	518.5	520.8	522.4	522.9	519.8	515.9	515.6	509.0
24							water	316.8	165.2	94.14	42.68	15.52	4.958		0.5962	0.3598	0.3669	0.2034	0.3012
25	P17	2000	12	04	09	30	deck	122.0	133.4	125.4	127.4	136.2	143.0	133.5					
26							water	119.43	0.5239	0.3518	0.08975	0.01517	0.03285	0.01541					
27	P18	2000	12	04	14	16	deck	439.1	440.1	433.1	428.3	425.6	423.7	420.8	418.2	415.6	412.8	415.4	417.1
28							water	236.6	144.7	99.78	46.26	23.75	11.54	6.622	3.871	2.270	1.429	0.9063	0.5224
29	P21	2000	12	04	10	15	deck	228.1	274.8	266.6	270.5	282.0	286.9	293.1	281.9				
30							water	126.1	2.021	0.5643	0.04145	0.05696	0.05715	0.1045	0.08101				
31	P23	2000	12	04	14	45	deck	246.3	235.3	231.4	231.7	232.8	233.0	234.5	237.7	239.2	238.0	242.0	246.7
32							water	161.2	113.3	62.33	36.75	18.94	10.62	3.032	1.171	0.5864	0.1142	0.1467	0.03112
33	P24	2000	12	04	12	15	deck	328.6	327.1	322.6	335.4	333.4	329.4						
34							water	16.90	15.91	8.802	0.6495	0.1150	0.1969						
35	P25	2000	12	04	13	25	deck	251.8	229.7	217.6	221.3	224.6	218.4	217.7	217.4	216.2	212.7	205.5	205.0
36							water	141.6	112.4	99.57	69.60	43.16	32.51	22.18	15.64	11.44	7.871	5.345	4.012
37	P27	2000	12	04	11	25	deck	338.4	335.4	350.7	345.9	337.7	358.6	359.0	362.6				
38							water	1.446	0.4571	0.01522	0.01532	0.01691	0.08981	0.08172	0.03193				

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No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
1	P02	2000	12	04	07	39	deck												Monitoring time: 0700-1800
2							water												
3	P03	2000	12	04	09	00	deck												
4							water												
5	P04	2000	12	04	14	15	deck												
6							water												
7	P05	2000	12	04	08	35	deck												
8							water												
9	P06	2000	12	04	09	25	deck												
10							water												
11	P07	2000	12	04	12	50	deck												
12							water												
13	P08	2000	12	04	10	20	deck												
14							water												
15	P09	2000	12	04	11	35	deck	681.8											
16							water	0.04885											
17	P10	2000	12	04	18	40	deck												
18							water												
19	P14	2000	12	04	15	35	deck												
20							water												

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Intensive point in neap tide

Total Page 4

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
21	P15	2000	12	04	08	30	deck												Monitoring time: 0700-1800
22							water												
23	P16	2000	12	04	13	16	deck												
24							water												
25	P17	2000	12	04	09	30	deck												
26							water												
27	P18	2000	12	04	14	16	deck	420.4	426.6	436.8									
28							water	0.4407	0.2552	0.1545									
29	P21	2000	12	04	10	15	deck												
30							water												
31	P23	2000	12	04	14	45	deck												
32							water												
33	P24	2000	12	04	12	15	deck												
34							water												
35	P25	2000	12	04	13	25	deck	203.4	204.3	205.2	200.5	196.0	196.7	191.0	191.9	186.6			
36							water	2.446	2.387	1.629	1.466	0.9901	0.7694	0.4722	0.3597	0.2288			
37	P27	2000	12	04	11	25	deck												
38							water												

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME					Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position													
1	P01	2000	12	14	07	00	deck	30.14	31.16	31.79	32.75	33.13	33.94	34.70	35.35	35.95	36.98	37.66	38.09	
2							water	20.52	5.062	0.6441	0.661	0.7258	0.2851	0.08075	0.4078	0.3340	0.5464	0.5055	0.4564	
3	P01	2000	12	14	08	00	deck	401.9	400.4	396.1	402.7	402.1	406.3	409.1	410.7	412.7	413.5	416.5	414.9	
4							water	92.99	35.83	2.695	1.094	0.9551	0.5055	0.2692	0.5464	0.2443	0.5633	0.8153	0.5055	
5	P01	2000	12	14	09	00	deck	376.8	863.7	829.4	769.2	841.7	880.7	897.0	882.4	874.3	884.2	873.0	878.3	
6							water	325.7	58.10	14.39	0.4407	0.4895	0.7916	1.306	0.1705	1.501	0.3010	0.3260	0.4078	
7	P01	2000	12	14	10	00	deck	1183	1166	1148	1095	1113	1146	1153	1151	1162	1180	1221	1210	
8							water	920.9	207.3	61.76	0.6939	0.3101	0.7836	0.3918	0.3829	0.3589	0.7019	0.9302	0.7587	
9	P01	2000	12	14	11	00	deck	1417	1433	1430	1331	1275	1288	1311	1380	1384	1372	1364	1343	
10							water	1377	148.1	8.567	0.8166	0.1625	0.1216	0.6390	0.8574	0.3340	3.659	0.6859	0.3021	
11	P01	2000	12	14	12	00	deck	1617	1561	1503	1528	1539	1520	1269	1242	1130	1171	1080	1255	
12							water	1071	318.2	53.10	5.440	1.315	0.7760	0.4646	0.1057	0.1386	0.2443	0.08075	0.8973	
13	P01	2000	12	14	13	00	deck	1591	1458	1344	1333	1216	1087	1134	1145	1422	1466	1423	1385	
14							water	1055	269.1	91.14	14.41	2.017	0.4646	0.6939	0.5713	0.2522	0.5055	1.527	0.4487	
15	P01	2000	12	14	14	00	deck	1304	1163	1204	1347	1394	1441	1420	1390	1377	1331	1405	1383	
16							water	878.9	367.5	325.5	115.5	36.25	15.46	5.684	2.850	1.625	1.029	0.4646	0.7187	
17	P01	2000	12	14	15	00	deck	893.4	920.3	921.3	917.0	905.0	901.4	903.4	900.7	891.7	850.9	883.7	881.1	
18							water	748.0	374.0	200.0	41.44	14.18	4.052	1.086	1.192	0.2034	0.3669	0.5633	0.3101	
19	P01	2000	12	14	16	00	deck	555.9	550.5	546.4	546.6	541.4	534.0	532.5	533.9	537.0	535.9	527.4	522.0	
20							water	376.2	289.7	170.0	50.09	7.782	1.482	0.5550	0.4975	0.3589	0.1386	0.2363	0.3509	
21	P01	2000	12	14	17	00	deck	188.1	187.5	182.1	184.8	180.7	179.2	178.8	176.3	174.6	174.3	171.9	170.7	
22							water	166.2	116.1	61.01	8.966	1.764	0.2772	0.1057	0.3021	0.2532	0.8066	0.7507	0.6122	

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Position													
						Min													
23	P01	2000	12	14	18	00	deck	1.160	1.111	1.096	1.037	0.9880	0.9551	0.9143	0.8654	0.8254	0.7667	0.7009	0.6530
24							water	0.7099	0.6122	0.4078	0.1795	0.03190	0.3509	0.2772	0.3260	0.2363	0.03190	0.2114	0.1386
25	P11	2000	12	14	07	00	deck	33.26	34.01	34.18	30.19	35.58	38.26	30.40	29.80				
26							water	24.01	12.17	7.393	1.116	0.3792	0.1124	0.02813	0.01496				
27	P11	2000	12	14	08	00	deck	401.9	392.7	428.6	434.7	431.6	428.9	430.0	416.5				
28							water	48.66	32.60	7.863	2.465	0.9817	0.3479	0.1241	0.02853				
29	P11	2000	12	14	09	00	deck	216.3	483.1	528.3	212.0	210.2	209.2	208.1	206.6				
30							water	152.1	112.2	0	2.541	0	0	0	0				
31	P11	2000	12	14	10	00	deck	153.0	156.4	140.2	168.4	144.7	151.3	167.2	167.4				
32							water	227.1	16.51	0.4416	0	0	0	0	0				
33	P11	2000	12	14	11	00	deck	1229	1291	1341	1343	1363	1290	1280	1231				
34							water	966.4	21.94	5.886	0	0	0	0	0				
35	P11	2000	12	14	12	00	deck	1268	1266	1276	1298	1253	1237	1183	1213				
36							water	987.8	84.66	10.25	0	0	0	0	0				
37	P11	2000	12	14	13	00	deck	1379	1324	1343	1311	1199	812.6	1326	1401				
38							water	902.4	200.6	9.865	0	0	0	0	0				
39	P11	2000	12	14	14	00	deck	1030	1045	926.2	941.2	979.4	976.1	969.6	961.6				
40							water	186.6	37.88	0	0	0	0	0	0				
41	P11	2000	12	14	15	00	deck	870.7	867.3	868.1	873.2	870.0	873.5	881.1	892.4				
42							water	97.77	34.81	5.757	0	0	0	0	0				
43	P11	2000	12	14	16	00	deck	467.1	227.7	235.4	236.0	591.7	599.7	607.2	616.2				
44							water	60.75	16.83	0	0	0	0	0	0				

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 Examiner:Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
45	P11	2000	12	14	17	00	deck	88.41	86.62	89.28	94.90	103.4	103.6	102.8					
46							water	25.92	8.043	1.801	0	0	0	0					
47	P11	2000	12	14	18	00	deck	3.207	2.941	2.852	2.613	2.440	2.333	2.177					
48							water	0.8107	0	0	0	0	0	0					
49	P12	2000	12	12	15	00	deck	Raining											
50							water	Raining											
51	P12	2000	12	12	16	00	deck	Raining											
52							water	Raining											
53	P12	2000	12	12	17	00	deck	Raining											
54							water	Raining											
55	P12	2000	12	12	18	00	deck	Raining											
56							water	Raining											
57	P12	2000	12	13	07	00	deck	Raining											
58							water	Raining											
59	P12	2000	12	13	08	00	deck	Raining											
60							water	Raining											
61	P12	2000	12	13	09	00	deck	Raining											
62							water	Raining											
63	P12	2000	12	13	10	00	deck	Raining											
64							water	Raining											
65	P12	2000	12	13	11	00	deck	Raining											
66							water	Raining											

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	
		Y	M	D	H	Min	Position													
67	P12	2000	12	13	12	00	deck	Raining												
68							water	Raining												
69	P12	2000	12	13	13	00	deck	Raining												
70							water	Raining												
71	P12	2000	12	13	14	00	deck	Raining												
72							water	Raining												
73	P12	2000	12	13	15	00	deck	Raining												
74							water	Raining												
75	P12	2000	12	13	16	00	deck	Raining												
76							water	Raining												
77	P19	2000	12	12	15	00	deck	Raining												
78							water	Raining												
79	P19	2000	12	12	16	00	deck	Raining												
80							water	Raining												
81	P19	2000	12	12	17	00	deck	Raining												
82							water	Raining												
83	P19	2000	12	12	18	00	deck	Raining												
84							water	Raining												
85	P19	2000	12	13	07	00	deck	Raining												
86							water	Raining												
87	P19	2000	12	13	08	00	deck	Raining												
88							water	Raining												

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LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME					Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position													
89	P19	2000	12	13	09	00	deck	Raining												
90							water	Raining												
91	P19	2000	12	13	10	00	deck	Raining												
92							water	Raining												
93	P19	2000	12	13	11	00	deck	Raining												
94							water	Raining												
95	P19	2000	12	13	12	00	deck	Raining												
96							water	Raining												
97	P19	2000	12	13	13	00	deck	Raining												
98							water	Raining												
99	P19	2000	12	13	14	00	deck	Raining												
100							water	Raining												
101	P19	2000	12	13	15	00	deck	Raining												
102							water	Raining												
103	P19	2000	12	13	16	00	deck	Raining												
104							water	Raining												
105	P20	2000	12	11	10	00	deck	468.7	472.5	477.6	484.5	485.4	483.5	485.1	485.3	487.2	486.8	486.1	483.2	
106							water	235.5	212.8	141.2	71.94	22.68	10.19	8.225	4.500	2.172	1.257	0.5145	0.4566	
107	P20	2000	12	11	11	00	deck	625.5	609.7	592.4	572.2	552.5	530.9	520.9	509.0	485.9	471.9	454.8	454.7	
108							water	354.8	201.3	102.2	47.56	23.09	11.07	4.054	3.259	1.596	0.8903	0.4327	0.4577	
109	P20	2000	12	11	12	00	deck	371.1	403.3	406.7	406.1	405.5	415.5	418.8	417.8	423.6	424.3	431.4	433.6	
110							water	208.8	159.7	125.3	60.73	31.83	23.93	12.71	7.980	2.720	1.339	0.8425	0.3509	

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
111	P20	2000	12	11	13	00	deck	927.8	931.8	944.9	953.2	966.1	974.3	999.7	1042	1098	1050	1045	1027
112							water	456.2	450.1	350.2	171.4	116.1	35.61	22.49	12.68	4.770	2.304	0.9960	0.8983
113	P20	2000	12	11	14	00	deck	602.4	598.8	591.8	586.6	578.9	575.1	567.3	564.1	559.1	556.3	546.4	541.3
114							water	316.5	281.5	151.6	68.26	34.68	42.38	13.67	7.009	2.883	1.789	1.565	0.9960
115	P20	2000	12	11	15	00	deck	589.2	573.3	554.8	544.3	529.8	513.8	498.7	493.8	473.4	450.4	451.6	480.8
116							water	375.2	248.2	158.5	71.31	27.78	8.276	2.614	1.152	0.9312	0.7916	0.2861	0.1874
117	P20	2000	12	11	16	00	deck	350.9	342.5	330.0	327.8	316.5	320.0	335.2	320.1	325.9	324.2	319.8	331.8
118							water	203.9	170.5	112.8	50.05	21.83	5.800	2.263	0.6780	0.4736	0.1216	0.1874	0.5876
119	P20	2000	12	11	17	00	deck	77.75	77.18	76.44	76.96	75.39	75.15	74.81	74.16	73.51	72.93	71.70	71.22
120							water	44.61	36.14	12.85	5.939	2.957	1.740	0.9063	0.5962	0.7916	0.3848	0.3430	0.4158
121	P20	2000	12	11	18	00	deck	0.6780	0.6281	0.5882	0.5464	0.5145	0.4816	0.4327					
122							water	0.3589	0.3021	0.2114	0.1137	0.05689	0.03190	0.02361					
123	P20	2000	12	12	07	00	deck	Raining											
124							water	Raining											
125	P20	2000	12	12	08	00	deck	Raining											
126							water	Raining											
127	P20	2000	12	12	09	00	deck	Raining											
128							water	Raining											
129	P20	2000	12	12	10	00	deck	Raining											
130							water	Raining											
131	P20	2000	12	12	11	00	deck	Raining											
132							water	Raining											

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME					Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position													
133	P22	2000	12	11	10	00	deck	337.6	392.2	397.1	396.1	398.5	398.8	401.7	403.1	406.8	397.9	400.4	399.4	
134							water	399.3	290.6	79.96	26.98	17.63	8.255	2.424	1.359	0.5318	0.7777	0.1060	0.07996	
135	P22	2000	12	11	11	00	deck	412.0	418.1	422.3	427.0	429.3	431.2	431.7	429.3	428.7	428.9	428.0	428.4	
136							water	274.5	211.3	103.4	55.17	21.23	7.790	3.366	1.221	0.9416	0.4918	0.06424	0.05612	
137	P22	2000	12	11	12	00	deck	739.8	751.4	756.8	754.0	755.2	761.3	749.6	760.8	730.4	706.2	693.4	729.8	
138							water	727.2	429.6	238.3	123.6	51.42	25.06	10.23	3.898	2.269	1.106	0.6627	0.3729	
139	P22	2000	12	11	13	00	deck	720.3	782.4	761.8	781.0	794.1	768.3	807.3	850.0	874.6	890.6	1019.1	1112.0	
140							water	704.3	406.3	230.6	59.54	19.03	6.840	4.807	2.522	1.114	0.6217	0.1219	0.03998	
141	P22	2000	12	11	14	00	deck	1045	1000	1055	1054	1058	1065	1017	1082	1052	1059	1028	1014	
142							water	614.7	872.1	628.7	217.5	156.7	78.21	21.16	14.96	3.554	2.965	1.711	0.4418	
143	P22	2000	12	11	15	00	deck	388.6	379.8	373.6	374.1	377.9	372.7	396.8	418.7	417.1	446.7	406.4	449.5	
144							water	311.7	201.8	182.6	81.23	39.53	19.14	11.67	5.406	2.564	1.441	0.4829	0.2033	
145	P22	2000	12	11	16	00	deck	152.6	152.4	154.2	158.7	159.2	154.2	155.6	157.5	160.0	160.9	162.2	163.8	
146							water	126.5	78.14	62.18	17.32	10.14	6.234	3.596	0.7037	0.3928	0.4178	0.2119	0.08939	
147	P22	2000	12	11	17	00	deck	59.71	57.22	56.46	56.44	54.37	53.66	52.86	51.93					
148							water	30.50	14.28	1.932	0.8516	0.1799	0.1599	0.01599	0					
149	P22	2000	12	11	18	00	deck	0.08401	0.06564	0.06011										
150							water	0.02748	0.2432	0										
151	P22	2000	12	12	07	00	deck	Raining												
152							water	Raining												
153	P22	2000	12	12	08	00	deck	7.843	8.050	8.247	7.952	8.022	7.983	7.740						
154							water	6.020	2.744	2.030	0.5151	0.9796	0.06497	0						

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
155	P22	2000	12	12	09	00	Raining												
156							Raining												
157	P22	2000	12	12	10	00	Raining												
158							Raining												
159	P22	2000	12	12	11	00	Raining												
160							Raining												

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME					Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position													
1	P01	2000	12	14	07	00	deck	38.90	39.42	40.42	40.96	41.99	42.59	43.40	44.17	44.87	45.50	46.60	Monitoring time: 0700~1800	
2						water	0.1954	0.3998	0.8973	0.2771	0.5304	0.7019	0.7099	0.7099	0.6361	0.7099	0.3998	0.6919		
3	P01	2000	12	14	08	00	deck	417.2	418.2	426.0	425.9	427.0	428.4	429.5	437.6	439.7	435.1	433.6		
4						water	0.2114	0.6770	0.5790	0.8160	0.4158	0.1386	0.8325	0.8325	0.2283	0.5384	0.5952	0.5304		
5	P01	2000	12	14	09	00	deck	901.3	909.3	913.4	889.0	883.2	895.6	922.3	889.8	882.5	852.5	859.6		
6						water	0.2363	0.4327	0.5543	0.4158	0.4975	0.1386	0.3180	0.2283	0.5872	1.404	0.7836	0.6281		
7	P01	2000	12	14	10	00	deck	1205	1197	1191	1159	1177	1172	1153	1150	1097	1115	1134		
8						water	1.542	1.152	0.5872	0.3998	0.8983	1.135	0.4816	0.9631	0.2931	0.9631	0.2363	0.3918		
9	P01	2000	12	14	11	00	deck	1344	1347	1379	1359	1383	1385	1351	1343	1360	1241	1327		
10						water	0.6361	0.2772	0.4237	0.1137	0.4566	0.2363	0.2283	0.2283	0.2931	0.4656	0.3260	0.09873		
11	P01	2000	12	14	12	00	deck	1314	1371	1436	1505	1284	877.4	886.1	1123	1134	1258	1522		
12						water	0.4033	0.3589	0.3509	0.1386	0.7507	0.6859	0.1057	0.1057	0.5633	0.1874	0.1306	0.1216		
13	P01	2000	12	14	13	00	deck	1308	1209	1023	1050	1147	1240	1152	1213	1002	1013	899.8		
14						water	0.4566	0.5145	0.3180	0.7757	0.2851	0.1386	0.9222	0.9222	1.086	1.167	0.4736	0.09770		
15	P01	2000	12	14	14	00	deck	1319	1374	1425	1454	1467	1493	1541	1464	1377	1298	1356		
16						water	0.7996	0.7346	0.8245	0.5055	0.8086	0.3260	0.5553	0.5553	0.4247	0.2617	0.3101	0.5053		
17	P01	2000	12	14	15	00	deck	872.7	836.7	830.7	847.6	873.0	904.7	903.9	899.0	896.6	873.6	861.6		
18						water	0.3101	0.1137	0.2612	0.1216	0.1795	0.4247	0.5484	0.5484	0.6042	0.8983	0.4327	0.2847		
19	P01	2000	12	14	16	00	deck	516.1	513.0	515.4	515.0	512.8	511.7	511.1	504.7	505.1	505.2	472.1		
20						water	0.2443	0.4656	0.1715	0.1057	0.1545	0.1715	0.2043	0.2043	0.1874	0.09770	0.02393	0.02393		
21	P01	2000	12	14	17	00	deck	169.8	167.7	167.7	166.9	164.2	157.2	154.7	152.4	153.3	152.4	143.4		
22						water	0.1137	0.2772	0.6530	0.1545	0.3745	0.1057	0.4327	0.4327	0.2913	0.1466	0.6366	0.6210		

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
23	P01	2000	12	14	18	00	0.5952	0.5553	0.5304	0.5145	0.4816	0.4158	0.4088						
24							0.1386	0.07278	0.07975	0.04885	0.7996	0.2552	0.04885						Monitoring time: 0700-1800
25	P11	2000	12	14	07	00													
26																			
27	P11	2000	12	14	08	00													
28																			
29	P11	2000	12	14	09	00													
30																			
31	P11	2000	12	14	10	00													
32																			
33	P11	2000	12	14	11	00													
34																			
35	P11	2000	12	14	12	00													
36																			
37	P11	2000	12	14	13	00													
38																			
39	P11	2000	12	14	14	00													
40																			
41	P11	2000	12	14	15	00													
42																			
43	P11	2000	12	14	16	00													
44																			

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LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
 Continuous point in spring tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME					Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position													
45	P11	2000	12	14	17	00		deck												
46								water												
47	P11	2000	12	14	18	00		deck												
48								water												
49	P12	2000	12	12	15	00		deck												
50								water												
51	P12	2000	12	12	16	00		deck												
52								water												
53	P12	2000	12	12	17	00		deck												
54								water												
55	P12	2000	12	12	18	00		deck												
56								water												
57	P12	2000	12	13	07	00		deck												
58								water												
59	P12	2000	12	13	08	00		deck												
60								water												
61	P12	2000	12	13	09	00		deck												
62								water												
63	P12	2000	12	13	10	00		deck												
64								water												
65	P12	2000	12	13	11	00		deck												
66								water												

Monitoring time: 0700-1800

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
67	P12	2000	12	13	12	00	deck												
68							water												
69	P12	2000	12	13	13	00	deck												
70							water												
71	P12	2000	12	13	14	00	deck												
72							water												
73	P12	2000	12	13	15	00	deck												
74							water												
75	P12	2000	12	13	16	00	deck												
76							water												
77	P19	2000	12	12	15	00	deck												
78							water												
79	P19	2000	12	12	16	00	deck												
80							water												
81	P19	2000	12	12	17	00	deck												
82							water												
83	P19	2000	12	12	18	00	deck												
84							water												
85	P19	2000	12	13	07	00	deck												
86							water												
87	P19	2000	12	13	08	00	deck												
88							water												

Monitoring
time:
0700~1800

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LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
89	P19	2000	12	13	09	00	deck												
90							water												
91	P19	2000	12	13	10	00	deck												
92							water												
93	P19	2000	12	13	11	00	deck												
94							water												
95	P19	2000	12	13	12	00	deck												
96							water												
97	P19	2000	12	13	13	00	deck												
98							water												
99	P19	2000	12	13	14	00	deck												
100							water												
101	P19	2000	12	13	15	00	deck												
102							water												
103	P19	2000	12	13	16	00	deck												
104							water												
105	P20	2000	12	11	10	00	deck	476.5	467.7	456.5	449.5	436.0	427.2	409.1					
106							water	0.4895	0.3918	0.2033	0.7757	0.1715	0.2203	0.03988					
107	P20	2000	12	11	11	00	deck	428.2	414.2	405.8	386.9	380.4	370.4	349.9					
108							water	0.1954	0.1384	0.1534	0.1464	0.1057	0.01595	0.1216					
109	P20	2000	12	11	12	00	deck	448.9	454.3	466.9	475.1	486.6	489.2	506.2					
110							water	0.3260	0.1874	0.1137	0.1715	0.07275	0.07278	0.03192					

Monitoring time: 0700-1800

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
111	P20	2000	12	11	13	00	deck	1010	1004	998.1	995.5	994.0	989.1	980.1					
112							water	0.5384	0.3021	0.2851	0.1751	0.1137	0.1137	0.1386					
113	P20	2000	12	11	14	00	deck	535.2	530.6	526.7	520.3	515.4	510.3	505.1					
114							water	0.4816	0.2931	0.2771	0.2851	0.3260	0.1057	0.06488					
115	P20	2000	12	11	15	00	deck	494.2	491.6	485.4	498.0	503.6	529.6	578.4					
116							water	0.4736	0.1386	0.1306	0.4656	0.5553	0.4816	0.2443					
117	P20	2000	12	11	16	00	deck	336.5	332.0	327.3	328.2	339.8	338.6	321.7					
118							water	0.2443	0.1057	0.1137	0.4975	0.1795	0.2612	0.1545					
119	P20	2000	12	11	17	00	deck	70.66	69.51	68.77	67.38	66.23	47.19	53.07					
120							water	0.4078	0.2941	0.3669	0.3918	0.5055	0.1874	0.3589					
121	P20	2000	12	11	18	00	deck												
122							water												
123	P20	2000	12	12	07	00	deck												
124							water												
125	P20	2000	12	12	08	00	deck												
126							water												
127	P20	2000	12	12	09	00	deck												
128							water												
129	P20	2000	12	12	10	00	deck												
130							water												
131	P20	2000	12	12	11	00	deck												
132							water												

Monitoring
time:
0700-1800

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LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
 Continuous point in spring tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME					Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position													
133	P22	2000	12	11	10	00	deck	397.5	395.7											
134							water	0.01599	0											
135	P22	2000	12	11	11	00	deck	427.0	423.7											
136							water	0.03998	0.03188											
137	P22	2000	12	11	12	00	deck	707.0	644.2											
138							water	0.08827	0.04821											
139	P22	2000	12	11	13	00	deck	949.8	845.8											
140							water	0.007998	0											
141	P22	2000	12	11	14	00	deck	986.6	996.8											
142							water	0.6707	0.3678											
143	P22	2000	12	11	15	00	deck	465.8												
144							water	0												
145	P22	2000	12	11	16	00	deck	170.8												
146							water	0												
147	P22	2000	12	11	17	00	deck													
148							water													
149	P22	2000	12	11	18	00	deck													
150							water													
151	P22	2000	12	12	07	00	deck													
152							water													
153	P22	2000	12	12	08	00	deck													
154							water													

Monitoring
time:
0700-1800

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LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in spring tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
155	P22	2000	12	12	09	00	deck												
156							water												
157	P22	2000	12	12	10	00	deck												
158							water												
159	P22	2000	12	12	11	00	deck												
160							water												

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME					Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position													
1	P01	2000	12	08	07	00	deck	21.66	22.04	22.69	23.22	23.90	24.61	25.41	26.65	27.53	28.69	30.10	31.40	
2							water	13.71	7.722	2.328	0.7181	0.4078	0.3340	0.2034	0.2114	0.1954	0.1625	0.2203	0.2612	
3	P01	2000	12	08	08	00	deck	409.4	416.3	422.7	423.8	428.4	426.2	419.8	418.6	406.8	397.7	399.6	392.0	
4							water	290.1	120.9	31.38	7.782	2.458	1.069	1.119	0.5065	0.4407	0.8425	0.3998	0.4895	
5	P01	2000	12	08	09	00	deck	645.6	673.4	637.8	593.3	573.9	549.9	533.8	530.7	482.8	484.8	483.1	430.7	
6							water	296.3	243.8	106.4	18.26	4.026	1.586	0.7996	0.7348	0.6042	0.5633	0.5421	0.4652	
7	P01	2000	12	08	10	00	deck	944.0	815.0	621.4	670.4	770.1	850.7	1087	1164	1178	1191	1188	1195	
8							water	107.3	52.44	36.59	15.40	3.544	0.8654	0.4078	0.2532	0.2283	0.1396	0.1316	0.1216	
9	P01	2000	12	08	11	00	deck	1310	1463	1450	1439	1409	1401	1358	1360	1378	1380	1375	1379	
10							water	951.5	492.6	137.0	21.86	4.654	1.951	0.2203	0.4158	0.1625	0.07975	0.07975	0.04885	
11	P01	2000	12	08	12	00	deck	1449	1419	1409	1440	1444	1439	1434	1430	1428	1428	1433	1430	
12							water	1081	761.1	508.3	245.9	143.6	51.64	17.45	6.780	3.152	1.013	0.8166	0.4816	
13	P01	2000	12	08	13	00	deck	1510	1505	1498	1494	1494	1491	1500	1506	1507	1511	1508	1503	
14							water	1068	3.366	3.348	3.015	2.296	1.658	1.740	4.134	1.167	1.119	1.004	0.8664	
15	P01	2000	12	08	14	00	deck	1135	1133	1135	1136	1140	1137	1125	1130	1127	1134	1136	1129	
16							water	749.2	561.6	301.2	132.4	47.95	17.42	10.65	4.984	2.778	1.882	1.307	1.806	
17	P01	2000	12	08	15	00	deck	878.2	873.4	869.7	861.1	857.8	861.8	861.1	860.2	865.2	865.0	876.6	906.0	
18							water	425.6	291.9	183.1	38.83	14.50	7.967	4.184	2.802	1.838	1.095	1.062	0.8086	
19	P01	2000	12	08	16	00	deck	457.4	452.5	451.0	450.4	450.0	449.7	448.9	449.2	448.4	446.7	446.0	441.2	
20							water	253.2	152.4	61.34	21.76	7.681	3.195	1.070	0.8006	0.9063	0.5065	0.9472	1.340	
21	P01	2000	12	08	17	00	deck	123.7	124.6	123.8	122.7	122.0	121.3	121.1	121.2	118.6	119.8	119.3	116.6	
22							water	74.42	42.88	16.92	6.880	1.552	1.291	0.5801	0.1715	0.2114	0.1067	0.3749	0.1954	

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
23	P01	2000	12	08	18	00	0.1386	0.1216	0.1057	0.1057	0.08973	0.07278	0.07278						
24							0.08973	0.05863	0.03988	0.03189	0.007975	0.006490	0.002396						
25	P11	2000	12	08	07	00	10.52	10.83	10.86	10.89	11.08	11.07	11.11	11.09	11.17				
26							5.594	4.377	2.928	1.601	0.7068	0.3847	0.1415	0.1415	0.1329				
27	P11	2000	12	08	08	00	267.8	280.6	265.1	272.7	273.4	277.6	280.1	277.6	276.9	283.4			
28							86.92	59.44	50.18	33.36	18.68	6.635	2.858	1.325	0.3595	0.0809			
29	P11	2000	12	08	09	00	606.4	629.8	623.7	623.7	636.3	635.4	649.4	654.7	658.3	670.5			
30							122.0	89.42	69.12	43.55	23.89	10.33	5.234	2.228	1.008	0.07564			
31	P11	2000	12	08	10	00	800.2	811.8	815.0	822.7	814.6	826.7	829.1	843.5	841.6	849.3			
32							669.0	529.3	361.9	116.9	42.67	14.09	5.472	1.718	0.3648	0.2928			
33	P11	2000	12	08	11	00	921.0	919.4	938.7	965.4	972.3	957.9	945.9	928.0	931.7	889.6			
34							932.7	542.6	163.5	136.8	118.2	54.91	26.41	11.37	4.603	1.800			
35	P11	2000	12	08	12	00	1075	1081	1089	1088	1081	1083	1085	1095	1094				
36							246.0	194.4	169.9	114.0	53.04	35.10	7.028	1.597	0.4169				
37	P11	2000	12	08	13	00	1087	1078	1069	1077	1084	1091	1097	1093	1100				
38							220.2	144.0	105.8	64.62	49.57	22.08	5.741	0.9496	0.04896				
39	P11	2000	12	08	14	00	1187	1184	1190	1188	1185	1185	1182	1156	1159				
40							135.2	87.14	29.81	19.55	4.373	2.976	1.441	0.8322	0.5783				
41	P11	2000	12	08	15	00	657.8	705.0	681.3	657.8	681.7	663.4	687.3	617.1	610.3				
42							119.3	104.5	72.14	38.15	22.52	10.77	4.926	2.736	1.220				
43	P11	2000	12	08	16	00	458.0	454.6	440.9	440.1	437.8	438.2	439.7	435.9	430.8				
44							563.4	337.5	272.2	134.5	59.94	32.65	14.92	5.234	1.094				

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 Examiner:Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
45	P11	2000	12	08	17	00	deck	146.7	147.0	147.3	147.0	146.0	144.4	143.8	142.5				
46							water	118.0	95.40	68.38	37.36	16.61	5.070	1.040	0.5158				
47	P11	2000	12	08	18	00	deck	0.7818	0.7350	0.6976	0.6835	0.6509	0.6412						
48							water	0.6877	0.6057	0.4748	0.1469	0.4462	0						
49	P12	2000	12	06	15	00	deck	847.0	834.0	832.4	816.0	819.4	822.6	825.8	823.4	821.8	812.8	802.9	789.4
50							water	598.0	430.0	243.7	110.6	50.07	20.12	10.78	5.865	2.254	0.5872	0.2034	0.1831
51	P12	2000	12	06	16	00	deck	433.3	425.1	393.8	381.5	376.6	377.4	381.9	373.4	370.7	381.3	379.6	371.7
52							water	389.1	230.4	147.5	68.61	31.84	15.27	14.06	7.518	3.962	2.108	1.299	1.004
53	P12	2000	12	06	17	00	deck	134.4	132.8	131.6	130.2	128.6	127.6	126.3	124.7	122.6	120.2	118.3	116.5
54							water	77.82	53.94	35.92	19.03	7.916	2.247	0.4975	1.465	0.5793	0.6451	0.4656	0.4247
55	P12	2000	12	06	18	00	deck	0.4158	0.3749	0.3430	0.3260	0.2851	0.2692	0.2522	0.2124	0.2034	0.1874	0.1545	0.1466
56							water	0.1795	0.1306	0.08075	0.1514	0.03988	0.06580	0.007975	0.02393	0.07278	0.05682	0.08175	0.03679
57	P12	2000	12	07	07	00	deck	16.24	16.71	17.19	17.65	18.16	18.56	19.20	19.71	20.18	20.80	21.47	21.88
58							water	7.822	5.854	4.011	1.616	0.7507	0.3589	0.3342	0.1306	0.1795	0.04855	0.08933	0.04855
59	P12	2000	12	07	08	00	deck	243.3	245.7	247.4	250.2	251.6	263.2	259.1	256.9	261.9	256.7	257.3	257.9
60							water	146.8	104.7	67.94	37.65	14.92	6.649	2.990	1.535	0.7587	0.3430	0.1306	0.04855
61	P12	2000	12	07	09	00	deck	577.3	578.2	581.4	577.6	589.8	595.4	607.6	605.5	616.4	632.9	646.3	676.1
62							water	346.5	277.7	160.4	95.95	50.86	24.38	16.47	10.72	6.525	3.822	2.099	0.1954
63	P12	2000	12	07	10	00	deck	819.9	839.5	855.0	816.6	827.3	812.6	793.7	778.3	780.8	785.6	794.6	810.0
64							water	598.8	474.7	323.4	174.3	101.5	56.10	31.62	18.61	10.67	3.471	0.3260	0.2851
65	P12	2000	12	07	11	00	deck	1631	2127	2170	2138	1477	1601	1411	1566	1388	1358	1108	1688
66							water	1281	1129	726.1	380.8	123.8	73.91	35.91	18.91	5.686	1.814	0.7348	0.1306

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
67	P12	2000	12	07	12	00	1654	1665	1653	1657	1644	1624	1626	1634	1643	1637	1625	1614	
68							1233	870.8	624.8	364.6	162.9	94.10	39.12	8.863	3.848	0.8348	0.5962	0.2363	
69	P12	2000	12	07	13	00	1237	1218	1201	1206	1191	1208	1194	1206	1210	1209	1171	1246	
70							1227	1042	786.4	782.0	360.0	169.2	60.99	15.01	8.268	4.428	2.524	1.364	
71	P12	2000	12	07	14	00	945.9	946.1	940.3	942.0	940.3	937.0	932.2	938.2	934.8	938.6	933.0	919.9	
72							925.0	446.1	202.9	31.02	11.39	6.971	1.610	0.5882	0.2532	0.1057	0.07278	0.05632	
73	P12	2000	12	07	15	00	611.8	564.4	573.7	552.3	543.2	540.2	543.1	476.2	468.5	475.5	474.4	476.3	
74							274.6	272.0	280.1	79.82	24.64	11.07	6.790	4.265	2.680	2.001	1.365	0.8415	
75	P12	2000	12	07	16	00	321.8	322.1	314.5	314.0	317.6	317.1	309.7	313.0	311.9	310.1	311.0	308.0	
76							171.6	149.2	101.6	49.82	30.76	16.02	5.294	1.111	0.6291	0.3509	0.2369	0.05692	
77	P19	2000	12	06	15	00	692.9	707.5	693.6	700.9	705.6	691.6	688.2	698.2					
78							689.1	549.3	358.8	176.8	100.3	53.20	26.91	11.39					
79	P19	2000	12	06	16	00	435.9	429.8	441.7	433.1	428.4	438.2	448.3	422.6					
80							535.9	377.6	303.1	174.9	102.1	56.66	32.81	11.83					
81	P19	2000	12	06	17	00	90.55	93.60	96.54	97.29	92.51	94.76	91.39	90.18	91.34				
82							133.0	101.2	72.48	49.77	25.38	15.12	7.661	3.964	1.506				
83	P19	2000	12	06	18	00	0.05612	0.1683	0.1497	0.1446	0.1309	0.1263	0.1217	0.1074					
84							0.1879	0.1019	0.03196	0.02341	0.02324	0.007865	0.05698	0.02482					
85	P19	2000	12	07	07	00	20.32	20.39	21.03	20.98	21.14	21.37	21.35	21.54					
86							15.94	8.533	10.48	5.602	3.112	1.719	0.9416	0.5398					
87	P19	2000	12	07	08	00	93.12	92.99	107.6	104.8	108.3	109.0	115.5	114.6					
88							90.82	73.78	55.55	34.19	18.31	8.110	3.308	1.351					

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth Position	0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H Min													
89	P19	2000	12	07	09 00	deck	332.8	322.5	326.4	337.0	338.7	340.1	340.3	357.0				
90						water	296.1	219.7	173.0	81.74	51.74	15.94	8.625	5.478				
91	P19	2000	12	07	10 00	deck	593.8	363.6	602.1	546.0	489.7	593.2	546.9	495.2				
92						water	569.4	532.4	314.8	130.9	69.77	30.98	11.05	7.125				
93	P19	2000	12	07	11 00	deck	750.1	784.7	831.6	859.1	889.6	1018	1015	848.9				
94						water	583.9	405.4	276.8	205.6	116.0	69.11	26.61	12.55				
95	P19	2000	12	07	12 00	deck	916.8	959.4	944.8	926.3	918.6	972.5	996.0	1045				
96						water	968.9	432.1	339.2	193.9	103.4	55.81	27.29	18.08				
97	P19	2000	12	07	13 00	deck	1026	1010	1009	999.4	1000	988.6	993.6	988.7				
98						water	359.3	324.6	346.7	189.6	100.3	55.82	29.84	14.60				
99	P19	2000	12	07	14 00	deck	804.8	808.4	803.4	810.8	791.7	812.2	813.7	797.6				
100						water	629.1	454.3	432.5	262.5	101.4	42.95	18.51	7.788				
101	P19	2000	12	07	15 00	deck	695.3	724.0	721.4	699.3	692.5	518.3	647.0	721.0				
102						water	770.6	559.5	354.6	242.8	135.8	863.9	573.3	24.02				
103	P19	2000	12	07	16 00	deck	455.2	440.2	440.6	443.8	447.6	451.3	437.4	440.6				
104						water	502.1	397.3	261.5	186.4	134.5	82.54	45.86	24.67				
105	P20	2000	12	05	10 00	deck	1252	1276	1311	1303	1235	1257	1259	1258	1246	1262	1265	1272
106						water	1254	703.7	441.2	217.7	119.4	71.77	30.83	17.33	8.215	5.440	2.490	0.8485
107	P20	2000	12	05	11 00	deck	1448	1442	1456	1426	1434	1424	1356	1382	1405	1389	788.1	1391
108						water	14.68	12.54	10.26	9.974	9.600	6.420	5.438	4.460	3.903	2.638	2.621	1.814
109	P20	2000	12	05	12 00	deck	1522	1554	1553	1515	1529	1520	1528	1542	1529	1519	1428	1487
110						water	1183	1092	672.1	253.6	133.4	54.74	30.91	17.82	9.622	5.122	2.533	1.699

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
111	P20	2000	12	05	13	00	1505	1514	1507	1502	1516	1502	1519	1523	1514	1436	1400	1466	
112							1148	1076	699.1	305.8	166.3	86.02	48.50	29.86	16.73	10.59	6.446	3.692	
113	P20	2000	12	05	14	00	1202	1177	1197	1195	1189	1198	1209	1199	1176	1162	1175	1166	
114							1078	863.4	622.4	336.3	181.9	171.8	71.18	43.95	25.26	16.95	10.94	7.369	
115	P20	2000	12	05	15	00	999.0	925.4	934.4	930.2	921.3	913.3	901.8	890.4	882.4	884.7	880.6	883.8	
116							487.6	433.0	196.4	103.2	41.14	22.58	11.77	6.436	2.933	2.590	1.618	0.7916	
117	P20	2000	12	05	16	00	590.8	590.5	590.6	596.6	592.7	585.4	585.2	582.0	565.1	564.1	560.5	553.8	
118							578.3	352.2	209.4	90.67	34.46	12.68	7.128	7.012	3.856	1.464	0.9960	0.4078	
119	P20	2000	12	05	17	00	119.1	118.4	117.4	116.8	112.7	112.8	109.5	105.9	103.4	91.58	88.61	82.01	
120							145.2	86.50	60.83	24.11	11.28	7.164	4.092	2.002	1.348	0.5882	0.3430	0.2931	
121	P20	2000	12	05	18	00	0.5872	0.5474	0.4975	0.4487	0.4158	0.3509	0.3269	0.2851	0.2772	0.2612	0.2363	0.2124	
122							0.4158	0.3266	0.2497	0.2432	0.1795	0.03988	0.1057	0.08057	0.03190	0.09770	0.06480	0.02493	
123	P20	2000	12	06	07	00	24.21	25.32	27.70	28.41	29.45	30.12	30.70	32.08	32.97	33.78	34.92	35.86	
124							16.00	12.40	11.06	5.201	3.117	2.082	1.152	0.7428	0.5304	0.3918	0.2363	0.2114	
125	P20	2000	12	06	08	00	259.8	379.2	360.2	400.0	385.0	387.0	386.0	369.7	376.5	377.0	368.8	369.5	
126							399.7	250.6	220.2	93.90	51.62	30.72	19.06	13.07	8.241	5.16	3.193	2.164	
127	P20	2000	12	06	09	00	687.6	690.8	729.1	727.5	722.5	723.4	713.7	706.3	703.1	725.1	695.7	713.7	
128							596.6	482.9	174.8	80.51	40.62	17.34	8.290	4.606	1.927	1.216	1.111	0.6042	
129	P20	2000	12	06	10	00	749.8	738.4	675.4	710.4	674.5	673.3	621.4	622.3	650.9	738.8	681.1	723.6	
130							733.3	443.5	306.3	233.1	138.7	76.36	51.58	48.16	42.76	24.78	24.17	14.32	
131	P20	2000	12	06	11	00	1433	1379	1361	1374	1364	1303	1398	1397	1371	1382	1394	1421	
132							1181	1092	757.2	490.9	317.7	185.2	128.0	80.04	50.96	31.52	20.74	12.38	

Printer:Chen Jian Chang
 Checker:Kuang Zheng Chang
 Examiner:Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
133	P22	2000	12	05	10	00	deck	856.4	881.4	901.4	888.5	830.2	861.1	915.9	845.6	890.4	961.3	885.7	919.7
134							water	632.1	602.3	372.1	271.4	124.5	74.75	45.94	33.94	21.18	9.697	7.959	4.654
135	P22	2000	12	05	11	00	deck	1046	1082	1082	1100	1103	1099	1100	1086	1036	1088	1150	1086
136							water	1019	705.9	508.8	288.6	116.2	106.7	48.76	24.45	12.39	8.625	7.231	3.232
137	P22	2000	12	05	12	00	deck	1287	1274	1291	1292	1285	1276	1283	1291	1288	1299	1294	1305
138							water	1053	705.9	472.4	277.2	153.5	84.48	49.88	29.00	15.18	7.745	6.341	3.226
139	P22	2000	12	05	13	00	deck	1153	1128	1127	1128	1114	1128	1157	1160	1167	1175	1179	1156
140							water	1133	754.3	472.6	218.3	134.2	80.78	39.42	27.62	18.20	14.00	7.528	5.398
141	P22	2000	12	05	14	00	deck	875.1	909.8	876.5	890.9	863.4	893.7	906.9	899.4	821.5	878.3	883.8	824.1
142							water	849.9	666.5	578.2	270.5	89.41	47.13	28.19	14.12	8.784	3.407	2.015	1.227
143	P22	2000	12	05	15	00	deck	284.0	270.0	261.5	274.1	313.1	534.0	530.4	614.2	612.5	625.1	605.9	645.2
144							water	327.9	354.9	195.7	103.2	92.44	44.18	30.85	15.98	11.51	4.463	2.063	1.383
145	P22	2000	12	05	16	00	deck	528.1	489.7	538.4	532.6	471.9	424.6	482.5	421.8	481.4	474.7	458.8	499.6
146							water	673.1	524.0	377.8	191.4	101.5	51.26	30.88	19.02	11.20	6.011	3.014	1.367
147	P22	2000	12	05	17	00	deck	132.8	139.1	132.9	134.9	131.5	131.3	128.1	123.0	126.7	121.7	123.2	121.4
148							water	155.4	149.0	100.6	53.99	23.81	12.72	10.19	5.832	3.866	1.826	1.285	0.5977
149	P22	2000	12	05	18	00	deck	1.428	1.363	1.311	1.278	1.241	1.217	1.161	1.124	1.109	1.002	0.9596	0.9133
150							water	1.400	1.007	0.7289	0.2859	0.1799	0.3928	0.1598	0.02399	0.02996	0	0	0
151	P22	2000	12	06	07	00	deck	11.17	11.42	11.58	11.84	12.13	12.15	11.38	10.32	9.234	9.445	9.334	10.85
152							water	10.45	8.510	7.116	3.146	1.801	0.9656	0.7777	0.7207	0.2699	0.1148	0.09096	0.8086
153	P22	2000	12	06	08	00	deck	197.5	190.4	215.4	191.4	200.8	204.5	212.0	218.8	220.5	220.7	219.4	193.4
154							water	323.2	301.0	152.3	100.6	56.67	33.93	22.80	15.27	9.864	6.250	2.989	1.857

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		0m	0.5m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
		Y	M	D	H	Min	Position												
155	P22	2000	12	06	09	00	556.4	574.8	477.6	518.3	547.8	487.7	517.4	532.1	512.2	479.4	517.4	514.6	
156							497.8	385.7	238.8	218.9	126.8	75.1	50.46	32.25	16.86	8.245	5.331	3.612	
157	P22	2000	12	06	10	00	983.2	991.0	998.2	965.4	932.2	980.5	947.8	958.1	975.1	944.7	931.8	925.7	
158							1069	759.4	539.3	321.7	121.4	112.3	83.06	50.88	31.42	23.64	10.53	8.150	
159	P22	2000	12	06	11	00	1133	1125	1150	1106	1058	1058	1106	1122	1118	1059	1103	1096	
160							1287	1060	733.4	459.0	364.4	243.3	166.5	118.5	78.7	59.57	45.4	33.76	

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m2/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
1	P01	2000	12	08	07	00	deck	33.19	34.50	35.82	37.61	39.90	42.08	43.60	44.62	44.75	44.31	43.13	Monitoring time: 0700~1800
2							water	0.2851	0.1466	0.2851	0.2443	0.1147	0.2203	0.1386	0.1725	0.1466	0.08973	0.07586	
3	P01	2000	12	08	08	00	deck	387.7	385.5	397.2	435.4	444.7	445.3	439.0	442.9	431.0	432.2	433.4	
4							water	0.2692	0.08973	0.1386	0.4237	0.7507	0.6610	0.1545	0.2772	0.1057	0.09770	0.04808	
5	P01	2000	12	08	09	00	deck	429.1	422.6	294.4	288.1	253.4	280.8	299.3	423.6	546.2	677.7	450.3	
6							water	0.3340	0.3269	0.2851	0.2696	0.2443	0.1795	0.1306	0.1505	0.1625	0.02393	0.01488	
7	P01	2000	12	08	10	00	deck	1200	1208	1191	1182	1189	1185	1179	1200	1179	1173	1194	
8							water	0.1446	0.2046	0.1446	0.06480	0.08933	0.03190	0.05682	0.03988	0.01595	0.08075	0.07278	
9	P01	2000	12	08	11	00	deck	1378	1379	1366	1371	1352	1362	1379	1388	1392	1405	1415	
10							water	0.03190	0.01595	0.01595	0.02393	0.01595	0.03190	0.06480	0.07975	0.07975	0.08972	0.03988	
11	P01	2000	12	08	12	00	deck	1426	1428	1432	1438	1445	1448	1442	1437	1427	1423	1410	
12							water	0.5916	0.4156	0.4486	0.1715	0.2203	0.1137	0.1057	0.1386	0.07278	0.02393	0.1715	
13	P01	2000	12	08	13	00	deck	1504	1503	1480	1497	1497	1501	1501	1492	1490	1492	1489	
14							water	0.7109	0.6451	0.6221	0.4861	0.3981	0.5881	0.8903	0.4168	0.1446	0.2116	0.03988	
15	P01	2000	12	08	14	00	deck	1126	1132	1125	1111	1134	1133	1130	1131	1126	1128	1117	
16							water	1.013	1.070	0.7361	0.7757	0.3918	0.3669	0.5065	0.3021	0.4012	0.2179	0.1137	
17	P01	2000	12	08	15	00	deck	888.0	875.7	877.4	874.1	869.3	866.0	871.7	872.6	872.4	867.2	861.9	
18							water	0.9080	0.5394	0.3998	0.5304	1.062	1.299	0.4487	0.1957	0.6700	0.5200	0.8933	
19	P01	2000	12	08	16	00	deck	440.8	437.1	436.5	432.2	429.1	424.2	415.4	416.7	415.6	422.1	421.1	
20							water	0.6201	0.4812	0.03988	0.3010	0.1057	0.1545	0.2393	0.2283	0.3883	0.4736	0.4566	
21	P01	2000	12	08	17	00	deck	115.3	113.7	113.3	112.7	111.8	110.7	109.6	108.4	106.2	107.2	106.1	
22							water	0.1057	0.3883	0.1466	0.1057	0.05682	0.3918	0.1715	0.1795	0.1175	0.03988	0.1954	

Printer:Chen Jian Chang
 Checker:Kuang Zheng,Chang
 Examiner:Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark	
		Y	M	D	H	Min	Position													
23	P01	2000	12	08	18	00	deck													
24							water													
25	P11	2000	12	08	07	00	deck													
26							water													
27	P11	2000	12	08	08	00	deck													
28							water													
29	P11	2000	12	08	09	00	deck													
30							water													
31	P11	2000	12	08	10	00	deck													
32							water													
33	P11	2000	12	08	11	00	deck													
34							water													
35	P11	2000	12	08	12	00	deck													
36							water													
37	P11	2000	12	08	13	00	deck													
38							water													
39	P11	2000	12	08	14	00	deck													
40							water													
41	P11	2000	12	08	15	00	deck													
42							water													
43	P11	2000	12	08	16	00	deck													
44							water													

Monitoring
time:
0700-1800

Printer: Chen Jian Chang
Checker: Kuang Zheng Chang
Examiner: Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark	
		Y	M	D	H	Min	Position													
45	P11	2000	12	08	17	00														
46																				
47	P11	2000	12	08	18	00														
48																				
49	P12	2000	12	06	15	00	780.8	780.0	786.7											
50							0.1386	0.08075	0.05393											
51	P12	2000	12	06	16	00	373.0	376.1	374.6											
52							0.9551	0.4078	0.3595											
53	P12	2000	12	06	17	00	113.2	111.6	110.1											
54							0.1795	0.2034	0.08973											
55	P12	2000	12	06	18	00	0.1306	0.1137	0.1057											
56							0.02763	0.02493	0.008972											
57	P12	2000	12	07	07	00	22.61													
58							0.02483													
59	P12	2000	12	07	08	00	260.3													
60							0.1137													
61	P12	2000	12	07	09	00	842.7													
62							0.04885													
63	P12	2000	12	07	10	00	848.4													
64							0.1316													
65	P12	2000	12	07	11	00	1586	1115												
66							0.3304	0.2283												

Monitoring time: 0700-1800

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
67	P12	2000	12	07	12	00	deck	1632											
68							water	0.1795											
69	P12	2000	12	07	13	00	deck	1221											
70							water	0.7594											
71	P12	2000	12	07	14	00	deck	918.2	916.7										
72							water	0.03192	0.007091										
73	P12	2000	12	07	15	00	deck	466.7	427.2										
74							water	0.5882	0.3918										
75	P12	2000	12	07	16	00	deck	304.2											
76							water	0.03190											
77	P19	2000	12	06	15	00	deck												
78							water												
79	P19	2000	12	06	16	00	deck												
80							water												
81	P19	2000	12	06	17	00	deck												
82							water												
83	P19	2000	12	06	18	00	deck												
84							water												
85	P19	2000	12	07	07	00	deck												
86							water												
87	P19	2000	12	07	08	00	deck												
88							water												

Monitoring time: 0700-1800

Printer: Chen Jian Chang
Checker: Kuang Zheng Chang
Examiner: Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
 Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth Position	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark	
		Y	M	D	H Min														
89	P19	2000	12	07	09	00													
90																			
91	P19	2000	12	07	10	00													
92																			
93	P19	2000	12	07	11	00													
94																			
95	P19	2000	12	07	12	00													
96																			
97	P19	2000	12	07	13	00													
98																			
99	P19	2000	12	07	14	00													
100																			
101	P19	2000	12	07	15	00													
102																			
103	P19	2000	12	07	16	00													
104																			
105	P20	2000	12	05	10	00	1304	1284	1268	1264	1226	1139	1219						
106							0.7507	0.6361	0.8180	0.6144	0.1795	0.2114	0.3180						
107	P20	2000	12	05	11	00	1386	1401	1379	1371	1391	1397	1396						
108							1.094	0.6690	0.3998	0.2443	0.1306	0.5105	0.2772						
109	P20	2000	12	05	12	00	1455	1447	1450	1459	1491	1480	1519						
110							0.9392	0.5713	0.3838	0.2772	0.1057	0.1625	0.09770						

Monitoring
time:
0700~1800

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: umol/m²/s

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
111	P20	2000	12	05	13	00	deck	1487	1485	1490	1470	1484	1480						
112							water	2.507	1.609	1.070	0.8903	0.4895	0.2532						
113	P20	2000	12	05	14	00	deck	1159	1152	1144	1169	1160	1176						
114							water	4.762	2.998	1.944	1.127	0.7836	0.4078						
115	P20	2000	12	05	15	00	deck	873.3	888.8	891.2	892.2	894.4							
116							water	0.5872	0.4816	0.3759	0.3701	0.1795							
117	P20	2000	12	05	16	00	deck	549.2	549.5	549.5	536.8	521.8							
118							water	0.3012	0.2815	0.1795	0.2283	0.03193							
119	P20	2000	12	05	17	00	deck	79.36	74.82	72.86	71.06								
120							water	0.1625	0.1792	0.1602	0.1057								
121	P20	2000	12	05	18	00	deck	0.2034	0.1715	0.1545	0.1306	0.1216	0.1137	0.08973					
122							water	0.02393	0.02154	0.09770	0.05688	0.01598	0.02851	0.02445					
123	P20	2000	12	06	07	00	deck	36.95	37.82	39.08	39.99	41.36	42.75	45.00					
124							water	0.1715	0.1057	0.1306	0.09770	0.2522	0.1625	0.3589					
125	P20	2000	12	06	08	00	deck	364.3	349.9	350.3	340.4	349.4	350.3	358.5					
126							water	1.478	1.143	0.8574	0.5145	0.3260	0.2522	0.2363					
127	P20	2000	12	06	09	00	deck	698.2	712.0	755.3	787.2	778.2	793.0						
128							water	0.4816	0.3589	0.3340	0.2522	0.1795	0.1545						
129	P20	2000	12	06	10	00	deck	748.9	865.7	918.6	871.4	897.5	113.8						
130							water	10.14	7.016	4.458	2.434	1.127	1.054						
131	P20	2000	12	06	11	00	deck	1437	1427	1409	1386	1386	1380						
132							water	7.134	4.076	2.312	1.200	0.8166	0.6610						

Monitoring time: 0700-1800

Printer:Chen Jian Chang
 Checker:Kuang Zheng Chang
 Examiner:Zhong Si Sheng

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
133	P22	2000	12	05	10	00	deck	941.2	913.2										
134							water	2.878	1.291										
135	P22	2000	12	05	11	00	deck	1043	1065										
136							water	2.137	1.235										
137	P22	2000	12	05	12	00	deck	1281	1336										
138							water	2.470	2.391										
139	P22	2000	12	05	13	00	deck	1162	1163										
140							water	2.092	1.785										
141	P22	2000	12	05	14	00	deck	879.3	875.5										
142							water	0.3848	0.2859										
143	P22	2000	12	05	15	00	deck	645.7	652.7	644.6									
144							water	0.6387	0.3518	0.1959									
145	P22	2000	12	05	16	00	deck	502.3	543.6	520.7									
146							water	0.9526	0.4418	0.2209									
147	P22	2000	12	05	17	00	deck	123.0	116.3	120.7									
148							water	0.4578	0.2369	0.1140									
149	P22	2000	12	05	18	00	deck	0.8710	0.8424	0.8098									
150							water	0	0	0									
151	P22	2000	12	06	07	00	deck	10.87	11.01	11.14									
152							water	0	0	0.007996									
153	P22	2000	12	06	08	00	deck	195.6	185.7	222.2									
154							water	1.171	0.9081	0.6706									

Monitoring
time:
0700~1800

LIGHT QUANTUM DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

Total Page 16

Unit: $\mu\text{mol}/\text{m}^2/\text{s}$

No	Point No	SAMPLING TIME				Depth		11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	H	Min	Position												
155	P22	2000	12	06	09	00	deck	478.4											
156							water	1.179	0.9032										
157	P22	2000	12	06	10	00	deck	892.9	905.7										
158							water	4.520	1.090										
159	P22	2000	12	06	11	00	deck	1089	1140	1092									
160							water	26.49	16.72	8.363									

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in spring tide

Total page : 6

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Min} (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														
1	P02	2000	12	10	07	30												
2							18.337	6.16	1.29	0.78	7.83	4.02	1109	109.3	60.0	2906	118.5	
3							18.196	6.12	1.30	0.70	7.80	3.25	1208	90.6	62.0	2779	121.4	
4	P03	2000	12	10	09	00	6.709	6.04	1.33	1.02	7.79	3.16	1030	99.9	59.0	2818	119.3	
5							8.624	7.35	1.43	0.56	7.74	6.00	967	85.3	34.2	3043	64.0	
6	P04	2000	12	10	07	50	0.254	7.07	1.09	0.58	8.00	3.05	987	62.6	21.5	2270	26.8	
7							0.680	7.07	1.16	0.56	7.98	3.10	1076	66.6	22.8	2350	27.9	
8							1.541	7.44	1.21	0.87	7.90	3.41	1030	103.9	24.8	2383	29.8	
9	P05	2000	12	10	08	40	22.331	6.46	1.44	0.88	8.01	3.21	1927	165.2	80.8	2743	94.8	
10							22.322	6.53	1.54	1.03	7.96	2.92	809	199.9	70.4	2370	96.5	
11							22.312	6.49	1.52	1.07	7.94	2.92	1026	123.9	66.4	2468	95.6	
12	P06	2000	12	10	09	10	22.933	6.75	1.08	0.65	7.99	3.00	1000	94.6	72.7	2615	95.1	
13							23.045	6.77	0.99	0.67	7.98	3.86	871	86.6	72.1	2173	95.6	
14							23.118	6.59	0.99	0.85	7.96	3.29	1069	99.9	77.4	2881	95.1	
15	P07	2000	12	10	06	45	9.289	7.07	1.55	0.73	7.93	4.80	878	52.0	41.9	2850	71.8	
16							10.260	7.44	1.38	0.56	7.89	4.57	993	85.3	38.9	2715	72.2	
17							11.009	7.27	1.32	0.52	7.88	6.88	901	68.0	37.2	2724	69.4	
18	P08	2000	12	10	09	58	25.090	6.93	1.29	0.70	8.07	3.02	1287	60.0	42.6	1764	73.9	

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

Intensive point in spring tide

Total page : 6

No.	Sampling time				Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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														
19																		
20																		
21	P09	2000	12	10	11	05												
22																		
23																		
24	P10	2000	12	09	16	50												
25																		
26	P14	2000	12	10	05	00												
27																		
28	P15	2000	12	10	08	00												
29																		
30																		
31	P16	2000	12	10	12	30												
32																		
33																		
34	P17	2000	12	10	09	00												
35																		
36																		

Detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in spring tide

Total page : 6

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
							0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
37	P18	2000	12	10	13	15	28.880	0.50	0.58	8.16	2.72	990	44.0	31.5	1169	51.8	
38							31.461	0.37	0.57	8.18	2.72	373	36.0	28.2	1149	51.3	
39							32.058	1.47	0.10*	8.17	2.65	446	41.3	25.5	1149	28.9	
40	P21	2000	12	10	10	00	31.332	0.68	0.59	8.17	3.32	386	28.0	6.4	1419	21.2	
41							31.341	0.77	0.32	8.20	2.66	323	12.0	5.4	1329	19.7	
42							32.092	0.70	0.43	8.21	2.79	469	16.0	11.1	1289	22.0	
43	P23	2000	12	10	14	42	31.917	0.57	0.75	8.19	3.32	416	17.3	11.1	1039	22.5	
44							32.195	0.39	0.48	8.21	3.07	224	20.0	12.4	979	19.9	
45							32.189	0.36	0.67	8.19	2.94	178	26.7	16.8	849	17.8	
46	P24	2000	12	10	12	25	25.980	0.70	0.40	8.17	3.28	564	26.7	21.1	2072	47.1	
47							28.411	0.64	0.90	8.18	3.68	614	28.0	10.1	1679	44.3	
48							30.106	0.59	0.30	8.18	2.89	686	16.0	13.7	1419	47.3	
49	P25	2000	12	10	13	35	32.344	0.43	0.40	8.13	3.16	320	32.0	17.8	1539	16.4	
50							32.359	0.39	0.42	8.15	2.98	277	38.6	20.4	1129	15.2	
51							32.361	0.31	0.35	8.14	3.45	993	28.0	21.5	1059	17.8	
52	P27	2000	12	10	11	15	29.859	1.44	0.39	8.22	5.22	670	4.0	3.7	1199	30.9	
53							30.408	0.94	0.32	8.21	3.54	515	6.7	6.4	1289	23.9	
54							31.947	0.82	0.24	8.21	3.78	360	28.0	11.1	1239	22.1	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
intensive point in spring tide

Total page : 6

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/100cm ³)	Remark									
																			Detection limit								
		Y	M	D															H	Min	6.0	5.0	0.0034	0.2	3.1	0.03	0.01
1	P02	2000	12	10	07	30	S	534.1	158.2	0.0262	0.8	37.2	0.45	0.25	2.57	0.044	0.0299	1.12	*: Half value of detection limit								
2							M	527.4	153.5						0.0246	1.08											
3							B	598.7	153.8	0.0172	0.9	34.4	0.44	0.30	2.93		0.0437	1.04									
4	P03	2000	12	10	09	00	S	714.4	102.1	0.0189	1.6	38.2	1.79	0.22	2.77	0.035	0.0228	3.53									
5							B	664.6	110.0	0.0165	1.3	39.2	1.76	0.19	2.83		0.0356	3.70									
6	P04	2000	12	10	07	50	S	783.0	115.0	0.0049	1.9	30.3	1.26	0.05	2.04	0.030	0.0254	8.58									
7							M	768.2	127.6								0.0203	6.54									
8							B	769.6	138.7	0.0070	2.7	37.2	1.83	0.17	2.33		0.0371	5.72									
9	P05	2000	12	10	08	40	S	554.3	130.8	0.0334	2.0	26.0	1.05	0.42	3.95	0.043	0.1072	1.66									
10							M	499.2	123.3								0.1237	1.71									
11							B	546.2	131.9	0.0275	1.8	25.9	0.81	0.15	3.87		0.1046	1.49									
12	P06	2000	12	10	09	10	S	500.5	157.4	0.0265	1.2	36.2	0.23	0.29	3.29	0.045	0.0219	2.63									
13							M	468.2	142.3								0.0277	2.62									
14							B	519.3	136.6	0.0174	2.0	37.7	0.37	0.09	2.70		0.0497	2.11									
15	P07	2000	12	10	06	45	S	668.7	80.9	0.0088	1.1	37.5	0.37	0.21	3.79	0.040	0.0449	1.55									
16							M	648.5	86.6								0.0400	1.83									
17							B	675.4	96.0	0.0233	0.9	26.6	0.52	0.31	4.93		0.1063	1.48									
18	P08	2000	12	10	09	58	S	438.6	85.5	0.0062	0.4	46.6	1.90	0.10	3.99	0.027	0.0404	3.16									

Printer: Yu Han Sheng, He Xiao Yuan
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WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in spring tide

Total page : 6

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/100cm ³)	Remark
		Y	M	D														
		H	Min															
					6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2		
19				M	421.1	83.8								0.0458	1.98		*: Half value of detection limit	
20				B	360.6	88.1	0.0149	1.0	38.8	2.36	0.17	3.28		0.0657	1.39			
21	P09	2000	12	10	11	05	0.0074	0.6	32.2	1.48	0.03	2.03	0.028	0.0131	2.75			
22				M	247.6	103.2								0.0108	2.11			
23				B	218.0	95.3	0.0062	1	36.8	1.16	0.21	2.30		0.0079	2.08			
24	P10	2000	12	09	16	50	0.0127	2.6	27.2	0.73	0.22	3.15	0.078	0.0138	10.63			
25				B	263.7	127.2	0.0129	2.0	29.7	1.35	0.16	3.02		0.0099	7.15			
26	P14	2000	12	10	05	00	0.0149	1.1	48.9	0.77	0.22	4.18	0.027	0.0352	1.47			
27				B	588.0	58.6	0.0235	1.3	48.5	0.68	0.44	4.12		0.0477	1.74			
28	P15	2000	12	10	08	00	0.0230	0.3	32.2	0.74	0.30	3.36	0.033	0.0515	1.97			
29				M	418.4	13.3								0.0494	1.89			
30				B	371.3	13.3	0.0291	0.4	47.2	1.46	0.28	3.57		0.0543	1.88			
31	P16	2000	12	10	12	30	0.0136	0.6	31.9	1.76	0.07	3.38	0.030	0.0106	4.70			
32				M	232.8	37.4								0.0076	2.71			
33				B	142.6	33.4	0.0118	0.5	32.5	1.25	0.10	2.73		0.0116	3.08			
34	P17	2000	12	10	09	00	0.0161	1.1	32.8	2.32	0.94	3.21	0.027	0.0250	4.76			
35				M	359.2	10.4								0.0169	5.57			
36				B	333.7	22.3	0.0104	0.4	30.1	0.85	0.93	4.05		0.0158	4.94			

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in spring tide

Total page : 6

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/100cm ³)	Remark			
		Y	M	D															H	Min	
37	P18	2000	12	10	13	15	S	374.0	14.0	0.0072	0.8	41.2	2.71	0.45	2.12	0.029	0.0103	0.0015	0.10	2	
38							M	252.9	21.2									0.0099	4.39		
39							B	165.5	8.6	0.0067	0.6	46.2	1.83	0.13	2.02		0.0109	1.65			
40	P21	2000	12	10	10	00	S	107.6	20.5	0.0321	1.1	27.0	0.81	0.24	3.06	0.026	0.0189	12.42			
41							M	78.0	13.3									0.0107	12.48		
42							B	117.1	10.1	0.0223	0.2	25.6	1.28	0.39	3.64		0.0180	9.74			
43	P23	2000	12	10	14	42	S	100.9	8.6	0.0157	0.8	16.2	3.61	0.13	9.80	0.027	0.0106	5.16			
44							M	113.0	13.7									0.0065	9.58		
45							B	102.3	7.9	0.0211	1.6	18.3	3.32	0.10	4.48		0.0126	9.21			
46	P24	2000	12	10	12	25	S	273.1	15.5	0.0142	0.5	30.7	0.84	0.32	3.38	0.023	0.0131	6.29			
47							M	399.6	18.3									0.0088	10.79		
48							B	212.6	8.3	0.0179	0.7	16.1	0.20	0.32	3.42		0.0080	9.74			
49	P25	2000	12	10	13	35	S	118.4	18.3	0.0146	0.3	29.8	0.91	0.08	4.31	0.024	0.0083	3.37			
50							M	114.4	22.6									0.0022	3.73		
51							B	119.7	13.3	0.0163	0.2	18.2	0.64	0.09	2.86		0.0048	1.70			
52	P27	2000	12	10	11	15	S	166.8	9.3	0.0138	0.9	38.9	3.61	0.34	3.27	0.032	0.0116	15.69			
53							M	134.5	13.7									0.0090	16.16		
54							B	104.9	6.1	0.0178	0.5	30.5	1.70	0.35	4.02		0.0151	13.74			

*: Half value of detection limit

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WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in neap tide

Total page : 6

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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
1	P02	2000	12	04	07	30	S	1.0	20.51	15.995	6.99	1.29	0.45	7.67	4.82	1383	121.7	87.9	3635	162.0
2							M	4.0	21.16	19.958	6.53	0.76	0.74	7.77	5.34	1178	94.3	80.3	2542	108.7
3							B	7.0	21.64	27.417	6.41	0.67	0.55	7.87	4.46	827	88.8	74.0	2089	97.3
4	P03	2000	12	04	08	50	S	1.0	19.88	3.392	7.55	1.34	1.28	7.76	8.69	1210	139.4	40.1	3916	102.8
5							B	3.5	19.91	3.628	7.41	1.46	0.97	7.87	5.73	1272	161.3	32.5	3670	121.1
6	P04	2000	12	04	14	20	S	1.0	20.20	0.224	7.60	1.09	0.67	8.07	4.17	1137	102.5	26.5	2797	28.7
7							M	4.8	20.17	0.825	7.66	1.02	0.54	8.04	3.14	1335	80.6	25.2	2797	28.1
8							B	8.5	20.12	4.822	7.33	1.15	0.60	7.92	3.44	1123	114.8	29.2	3186	65.8
9	P05	2000	12	04	08	35	S	1.0	20.30	15.806	7.22	1.06	0.73	7.77	3.94	1613	71.1	65.0	3463	167.2
10							M	2.5	20.35	15.975	7.18	1.00	0.65	7.81	4.37	1602	102.5	67.0	3432	164.0
11							B	4.0	21.15	23.327	6.93	0.78	0.26	7.83	5.16	1314	98.4	67.7	2725	134.8
12	P06	2000	12	04	09	25	S	1.0	20.54	19.999	7.13	0.81	0.75	7.91	4.35	1345	75.2	73.6	3052	140.0
13							M	2.3	20.78	22.588	7.20	0.69	0.78	7.92	3.83	994	105.2	84.6	2674	128.0
14							B	4.5	21.17	27.839	6.49	0.45	0.37	7.91	3.77	928	95.7	67.3	1544	81.0
15	P07	2000	12	04	12	55	S	1.0	19.18	4.929	8.18	1.30	0.42	7.99	1.99	1102	108.0	30.8	2967	60.1
16							M	3.3	19.84	9.004	7.17	1.44	0.40	7.97	2.03	1022	92.9	36.5	3235	80.3
17							B	5.5	20.21	12.756	7.37	1.12	0.24	7.94	3.47	1046	118.9	34.2	3485	87.3
18	P08	2000	12	04	10	20	S	1.0	20.20	15.125	7.27	0.64	0.79	8.00	4.77	1217	86.1	60.7	3523	174.2

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

Intensive point in neap tide

Total page : 6

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
							0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
19						18.461	6.93	0.78	0.46	7.92	3.91	1126	94.3	68.7	3878	142.8	
20						22.796	6.61	0.51	0.10*	7.96	3.66	1008	92.9	65.3	2297	109.7	
21	P09	2000	12	04	11	30.945	6.30	0.36	0.58	7.97	3.89	803	71.1	57.7	1639	61.0	
22						31.007	6.20	0.37	0.36	7.98	4.48	921	95.7	68.3	1349	59.0	
23						31.096	6.13	0.40	0.27	7.99	3.50	1178	120.3	77.6	1203	61.0	
24	P10	2000	12	04	18	26.169	6.08	1.38	0.68	7.69	5.02	1262	567.2	416.3	3180	195.1	
25						27.880	6.04	1.23	0.68	7.69	4.36	1109	410.1	346.6	2871	191.0	
26	P14	2000	12	04	15	14.181	7.77	0.24	0.56	7.76	3.25	1192	101.1	56.1	2978	102.6	
27						19.750	7.66	1.27	0.57	7.69	4.08	709	118.9	77.6	3179	107.8	
28	P15	2000	12	04	08	26.131	7.40	1.24	0.91	7.88	4.12	1248	75.2	53.7	1976	102.8	
29						26.164	6.97	0.81	0.80	7.97	3.47	1008	88.8	47.8	1986	98.8	
30						26.388	6.96	0.92	0.64	8.00	3.28	1036	95.7	62.4	1924	95.1	
31	P16	2000	12	04	13	27.385	7.15	0.47	0.35	7.78	4.41	692	105.2	64.7	1780	87.5	
32						30.716	7.01	0.44	0.30	7.75	3.95	1005	110.7	52.7	1577	71.2	
33						32.340	6.90	0.28	0.10*	7.80	3.64	1025	95.7	47.8	985	42.4	
34	P17	2000	12	04	09	25.549	7.37	0.96	0.80	8.02	3.85	1078	92.9	87.9	2521	103.4	
35						25.549	7.41	0.94	0.76	8.02	3.44	1213	79.3	51.4	2089	102.1	
36						25.579	7.33	0.95	0.48	8.02	3.48	925	87.5	81.9	2542	104.5	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in neap tide

Total page : 6

No.	Point No.	Sampling time			Depth	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
							0.12	0.10	0.20	0.10	Detection limit						
											0.18	14	1.6	1.0	14	0.5	
37	P18	2000	12	04	14	10	7.05	0.32	0.33	7.75	3.35	351	43.7	34.8	1058	40.7	
38							7.05	0.40	0.31	7.72	3.27	448	46.5	33.2	1027	45.7	
39							7.17	0.36	0.36	7.83	3.64	236	27.3	24.2	882	21.1	
40	P21	2000	12	04	10	30	7.07	0.93	0.72	7.99	3.56	872	114.8	81.6	1442	67.0	
41							7.06	0.90	0.65	8.01	3.18	723	58.8	38.5	1878	63.3	
42							6.59	0.92	0.39	8.02	2.48	744	57.4	49.4	1504	64.4	
43	P23	2000	12	04	14	45	7.33	1.13	0.61	8.09	5.67	424	23.2	19.9	1027	13.1	
44							6.85	1.32	0.32	8.14	3.63	587	36.9	22.2	975	12.8	
45							7.31	1.23	0.38	8.14	3.85	650	42.4	18.6	934	15.0	
46	P24	2000	12	04	12	15	7.53	1.07	0.68	7.92	3.81	1230	60.1	45.4	2235	67.0	
47							7.28	1.10	0.64	7.95	3.37	817	82.0	46.8	2151	84.0	
48	P25	2000	12	04	13	25	7.06	0.92	0.34	8.04	5.32	653	34.2	23.5	1089	22.4	
49							7.17	0.97	0.10*	8.08	6.59	629	49.2	20.2	975	21.6	
50							7.10	0.93	0.33	8.09	6.55	539	47.8	23.2	923	19.8	
51	P27	2000	12	04	11	25	7.66	1.38	0.74	7.93	3.33	1133	76.5	48.8	2491	106.3	
52							7.33	1.18	0.57	7.94	3.66	1220	98.4	71.6	3399	107.3	
53							7.33	1.26	0.65	7.95	3.64	1015	83.4	77.3	3143	104.3	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in neap tide

Total page : 6

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/100cm ³)	Remark		
																			Y	M
		H	Min	* : Half value of detection limit																
1	P02	2000	12	04	07	30	S	245.2	59.2	0.0079	3.0	27.2	3.31	0.48	1.70	0.043	0.0121	0.19	20	
2							M	236.3	48.0								0.0158	0.16		
3							B	236.3	29.6	0.0157	2.9	28.9	2.91	0.25	2.12		0.0171	0.13	224	
4	P03	2000	12	04	08	50	S	802.4	76.9	0.0111	2.4	15.4	0.68	0.24	2.92	0.046	0.0192	2.47	268	
5							B	780.1	40.7	0.0125	2.0	9.6	0.58	0.26	4.90		0.0348	2.48	76	
6	P04	2000	12	04	14	20	S	855.9	118.3	0.0053	4.1	3.3	0.95	0.06	2.63	0.028	0.0146	10.69	150	
7							M	870.7	111.4								0.0155	9.11		
8							B	821.7	106.5	0.0082	3.3	6.9	0.95	0.19	6.76		0.0227	3.35	112	
9	P05	2000	12	04	08	35	S	245.2	58.1	0.0347	2.4	34.0	1.70	0.14	2.15	0.056	0.0122	0.12	30	
10							M	236.3	107.9								0.0109	0.10		
11							B	228.8	106.2	0.0259	4.1	25.9	1.39	0.22	2.18		0.0133	0.13	26	
12	P06	2000	12	04	09	25	S	230.3	131.6	0.0293	2.3	9.6	3.86	0.32	1.97	0.036	0.0084	0.10	130	
13							M	221.4	139.9								0.0180	0.12		
14							B	251.1	137.8	0.0160	2.7	1.6*	1.73	0.16	1.73		0.0186	0.11	296	
15	P07	2000	12	04	12	55	S	814.3	28.2	0.0127	3.1	6.9	0.40	0.13	4.62	0.039	0.0259	2.78	50	
16							M	799.4	87.0								0.0242	2.10		
17							B	775.6	102.0	0.0286	5.0	11.2	0.37	0.30	3.72		0.0453	1.52	22	
18	P08	2000	12	04	10	20	S	276.4	94.7	0.0215	2.8	19.8	3.05	0.31	2.60	0.032	0.0106	0.19	14	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in neap tide

Total page : 6

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/100cm ³)	Remark	
		Y	M	D															
		H	Min																
19																			
					M	344.7	54.0												
20					B	425.0	58.1	0.0097	2.1	8.4	3.26	0.26	1.89		0.0128	0.20	16		
21	P09	2000	12	04	11	40	S	132.2	0.0363	2.6	1.64	0.35	1.98	0.067	0.0118	0.22	836		
22					M	114.4	92.9								0.0138	0.20			
23					B	111.4	126.0	0.0314	1.8	14.6	1.80	0.30	1.77		0.0122	0.21	1732		
24	P10	2000	12	04	18	40	S	542.3	0.0210	4.3	1.40	0.21	4.19	0.054	0.0078	4.00	1724		
25					B	527.5	155.9	0.0193	3.8	38.7	0.95	0.35	2.54		0.0149	3.56	1136		
26	P14	2000	12	04	15	35	S	127.8	0.0296	3.3	2.03	0.39	2.64	0.033	0.0367	0.22	10		
27					B	115.9	88.4	0.0175	2.3	19.6	1.88	0.76	3.06		0.0506	0.22	6		
28	P15	2000	12	04	08	00	S	456.2	0.0442	3.4	2.61	0.71	4.37	0.033	0.1119	0.63	8		
29					M	433.9	52.2								0.0635	0.86			
30					B	420.5	47.7	0.0240	2.1	31.8	1.94	0.33	3.69		0.0820	0.99	1*		
31	P16	2000	12	04	13	20	S	127.8	0.0180	2.6	3.15	0.60	1.95	0.063	0.0092	0.14	8		
32					M	130.8	70.7								0.0141	0.22			
33					B	147.1	40.0	0.0134	3.2	20.1	4.30	0.27	2.14		0.0093	0.24	2		
34	P17	2000	12	04	09	20	S	422.0	0.0336	1.6	1.86	0.71	4.41	0.027	0.0788	0.36	1*		
35					M	425.0	51.9								0.0874	0.39			
36					B	389.3	87.7	0.0335	1.0	25.9	3.15	0.68	6.00		0.1042	0.45	2		

* :Half value of detection limit

Detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Intensive point in neap tide

Total page : 6

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/100cm ³)	Remark		
																			Y	M
		H	Min	Detection limit																
37	P18	2000	12	04	14	10	S	164.9	29.2	0.0203	2.8	25.3	2.09	0.08	1.78	0.016	0.0112	0.66	12	*: Half value of detection limit
38							M	147.1	22.3								0.0057	0.60		
39							B	148.6	22.3	0.0211	3.7	27.8	2.59	0.19	1.72		0.0076	0.60	1*	
40	P21	2000	12	04	10	30	S	263.0	63.3	0.0452	3.7	27.1	3.61	0.42	5.48	0.036	0.1388	0.99	34	
41							M	276.4	49.8								0.1230	0.97		
42							B	276.4	70.0	0.0423	1.5	25.4	3.86	0.44	6.45		0.0822	0.90	2	
43	P23	2000	12	04	14	45	S	80.2	23.0	0.0246	2.1	26.1	0.68	0.22	2.66	0.028	0.0072	4.55	1*	
44							M	83.2	13.9								0.0129	4.25		
45							B	81.7	12.5	0.0189	1.0	22.4	0.54	0.12	3.44		0.0128	4.86	1*	
46	P24	2000	12	04	12	15	S	566.1	54.0	0.0226	3.5	25.7	1.89	0.62	3.96	0.025	0.0524	3.22	100	
47							B	280.8	20.5	0.0316	2.2	21.3	0.25	0.57	5.80		0.1300	0.98	68	
48	P25	2000	12	04	13	25	S	107.0	33.8	0.0271	1.0	28.1	0.38	0.10	3.13	0.016	0.0318	2.26	1*	
49							M	102.5	36.5								0.0095	2.35		
50							B	83.2	27.5	0.0484	0.6	19.0	0.97	0.39	2.90		0.0109	2.32	1*	
51	P27	2000	12	04	11	25	S	545.3	42.8	0.0319	0.9	39.0	0.42	0.34	6.38	0.042	0.1438	0.65	10	
52							M	450.2	65.1								0.0678	0.56		
53							B	401.2	45.2	0.0425	0.2	33.7	0.38	0.24	6.68		0.1098	0.61	2	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
 Continuous point in spring tide

Total page : 12

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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
1	P01	2000	12	13	20	00	S	1.0	19.76	9.108	5.15	1.74	0.56	7.62	3.07	947	126.6	55.3	2877	149.5
2							M	12.0	20.44	13.582	6.13	2.06	1.22	7.50	3.15	947	106.6	45.6	3012	160.8
3							B	23.0	20.42	15.237	6.08	3.27	1.71	7.46	3.67	901	106.6	41.6	3852	147.9
4		2000	12	13	23	00	S	1.0	20.09	13.708	6.42	1.76	0.82	7.47	3.16	1003	61.3	59.7	3645	158.4
5							M	12.0	20.25	14.146	6.34	1.74	0.93	7.43	3.00	1036	66.6	49.9	3808	152.3
6							B	23.0	20.29	14.876	6.71	2.03	0.97	7.41	3.52	868	68.0	44.3	3674	149.5
7		2000	12	14	02	00	S	1.0	19.88	14.958	6.81	1.54	0.83	7.65	2.87	1023	68.0	63.4	3501	148.3
8							M	11.5	19.93	16.013	6.61	1.52	1.07	7.66	3.44	914	70.6	56.7	3277	140.7
9							B	22.0	20.00	17.302	6.73	1.43	1.52	7.66	3.74	1073	81.3	54.0	3647	134.3
10		2000	12	14	05	00	S	1.0	19.80	12.836	6.51	2.01	0.69	7.65	3.67	924	66.6	58.0	3837	157.2
11							M	11.8	20.00	13.753	6.32	2.02	1.03	7.65	3.47	891	114.6	54.0	3645	155.5
12							B	22.5	20.06	14.006	6.34	3.30	1.65	7.65	3.05	934	111.9	51.6	3923	152.3
13		2000	12	14	08	00	S	1.0	19.10	7.958	6.94	1.68	0.75	7.78	2.87	1208	66.6	65.7	2611	134.7
14							M	12.0	20.06	11.354	5.84	2.59	1.56	7.65	3.72	1271	77.3	71.7	2513	170.4
15							B	23.0	20.03	11.749	5.79	3.14	1.86	7.62	3.25	1152	69.3	46.6	3904	172.0
16		2000	12	14	11	00	S	1.0	19.23	6.229	6.35	2.44	1.25	7.68	2.88	1462	72.0	43.2	4367	172.8
17							M	11.5	19.89	11.060	5.78	3.05	1.92	7.62	3.69	1571	80.0	41.9	3875	175.2
18							B	22.0	19.85	15.731	6.58	3.20	2.25	7.66	3.18	1033	85.3	49.6	4993	142.7
19		2000	12	14	14	00	S	1.0	19.90	10.303	6.00	1.82	1.19	7.71	2.78	1505	81.3	69.7	3722	168.8
20							M	11.5	19.92	11.991	5.90	2.14	0.83	7.66	2.92	1257	70.6	68.4	3722	175.6
21							B	22.0	20.01	13.046	6.02	3.50	1.98	7.64	3.12	1548	97.3	51.3	3588	171.2
22		2000	12	14	17	00	S	1.0	19.89	10.728	6.35	1.83	0.81	7.71	2.71	974	57.3	50.3	3981	168.8
23							M	11.0	19.90	12.596	6.30	2.11	1.46	7.66	2.86	1432	78.6	69.1	3626	165.2
24							B	21.0	19.87	13.427	6.14	3.61	1.85	7.65	2.58	1307	80.0	54.6	3664	158.4
25	P11	2000	12	13	20	00	S	1.0	19.72	28.094	7.22	0.60	0.43	7.97	3.40	809	78.6	22.5	1439	54.7

Detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
 Continuous point in spring tide

Total page : 12

No.	Point No.			Depth	Sampling time	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Min} (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																
													Detection limit						
									0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
26						3.5	19.71	28.079	7.45	0.68	0.50	7.98	2.36	997	80.0	29.2	1419	53.4	
27						6.0	19.97	28.695	7.28	0.67	0.32	7.98	3.18	891	98.6	44.6	1499	53.7	
28						1.0	19.86	30.920	7.38	0.70	0.83	7.99	3.80	822	62.6	38.6	1619	43.3	
29						3.5	19.88	30.927	7.15	0.84	0.56	8.02	3.62	838	74.6	32.5	1998	55.2	
30						6.0	19.98	31.146	7.17	1.43	0.74	8.03	3.68	921	73.3	27.8	1799	37.2	
31						1.0	19.54	30.468	7.23	0.71	0.58	7.99	3.52	917	73.3	37.9	1339	41.5	
32						3.8	19.88	31.302	7.23	0.67	0.37	8.01	2.66	828	61.3	36.9	1599	39.6	
33						6.5	20.25	31.929	7.18	0.74	0.37	8.07	2.58	858	50.6	25.8	2038	26.1	
34						1.0	19.46	26.843	7.16	2.25	1.02	7.95	3.03	884	56.0	33.2	1695	57.9	
35						3.5	19.47	26.844	7.12	2.17	1.02	7.97	3.40	911	40.0	38.6	1913	57.6	
36						6.0	19.47	26.837	7.21	2.15	1.23	7.97	2.97	703	56.0	35.9	2091	58.1	
37						1.0	19.28	24.940	7.14	2.28	0.99	7.90	6.77	630	68.0	38.6	2320	69.8	
38						3.5	19.28	24.952	7.19	2.48	0.96	7.92	4.87	601	64.0	39.2	2045	68.0	
39						6.0	19.29	24.985	7.21	2.53	1.29	7.92	5.06	574	88.0	35.2	1789	68.0	
40						1.0	19.29	25.271	7.22	1.07	0.52	7.90	3.05	545	157.2	54.0	4173	69.4	
41						3.5	19.29	25.278	7.20	1.02	0.65	7.92	3.09	475	123.9	48.9	2200	67.8	
42						6.0	19.28	25.557	7.11	1.23	0.65	7.93	3.31	822	163.9	50.6	2359	67.4	
43						1.0	19.32	27.409	7.35	0.85	0.72	7.92	2.50	548	98.6	50.3	1705	56.9	
44						3.5	19.29	27.581	7.12	0.72	0.41	7.95	3.29	888	114.6	67.4	2290	60.5	
45						6.0	19.35	28.985	7.10	0.76	0.35	7.96	4.48	604	129.3	54.6	2488	56.1	
46						1.0	19.32	27.186	7.28	0.59	0.61	7.92	3.34	541	94.6	52.0	1715	57.9	
47						3.5	19.32	27.491	7.18	0.47	0.48	7.95	3.13	574	77.3	46.9	1497	47.3	
48						6.0	19.47	30.384	7.05	0.54	0.38	7.98	2.99	512	97.3	61.0	580	42.3	
49	P12	2000	12	12	15	00	21.27	29.609	6.72	0.64	0.45	7.91	2.68	561	113.3	32.9	1449	54.4	
50						6.0	21.30	30.081	6.64	0.66	0.34	7.91	2.84	686	50.6	40.9	1579	48.1	

Printer: Yu Han Sheng, He Xiao Yuan
 Checker: Kuang Zheng Chang
 Examiner: Zhong Si Sheng, Cai Jian Dong

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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														
Detection limit																		
								0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
51					B	11.0	31.018	6.68	0.69	0.86	7.90	3.50	779	52.0	44.3	1359	39.1	
52		2000	12	18	S	1.0	29.707	6.96	0.63	0.93	7.90	2.81	630	62.6	30.2	1609	56.8	
53					M	6.0	29.902	6.55	0.66	0.78	7.90	3.32	545	56.0	39.9	1639	51.3	
54					B	11.0	29.915	6.63	0.66	0.44	7.90	3.10	881	49.3	42.9	1888	52.0	
55		2000	12	21	S	1.0	30.476	6.83	0.54	0.53	7.96	3.31	439	40.0	37.9	1129	46.8	
56					M	6.0	30.530	6.76	0.58	0.45	7.94	2.98	502	54.6	41.9	1449	53.1	
57					B	11.0	30.997	6.75	0.73	0.65	7.93	3.06	495	65.3	40.6	1019	45.5	
58		2000	12	13	S	1.0	30.737	6.88	0.57	0.30	7.96	2.74	518	37.3	33.5	959	41.1	
59					M	5.8	31.338	6.77	0.62	0.26	7.96	3.06	508	38.6	37.5	1049	39.9	
60					B	10.5	31.474	6.72	0.77	0.10*	7.97	3.39	373	46.6	41.2	939	35.1	
61		2000	12	13	S	1.0	30.746	6.91	0.74	0.67	7.88	3.23	637	34.6	32.5	1039	49.4	
62					M	6.0	30.801	6.68	0.72	0.56	7.87	3.19	597	49.3	36.5	1059	43.3	
63					B	11.0	31.059	6.71	1.39	1.12	7.87	3.25	766	70.6	38.6	1139	42.5	
64		2000	12	13	S	1.0	29.985	6.87	0.89	1.14	7.82	4.00	686	40.0	32.2	1139	50.7	
65					M	6.0	29.987	6.83	0.90	1.32	7.83	3.94	927	54.6	34.2	1119	51.2	
66					B	11.0	30.356	6.68	0.41	1.50	7.84	3.04	762	102.6	35.2	1129	47.0	
67		2000	12	13	S	1.0	29.123	6.65	0.65	0.46	7.77	3.54	723	36.0	34.2	1309	65.4	
68					M	6.0	29.218	6.59	0.61	0.40	7.78	3.48	733	42.6	41.2	1249	63.5	
69					B	11.0	29.432	6.49	0.77	0.49	7.80	2.63	898	42.6	33.9	1409	57.1	
70		2000	12	13	S	1.0	29.638	6.80	0.58	0.61	7.80	3.21	809	46.6	30.8	1289	59.0	
71					M	5.5	30.149	6.76	0.62	0.44	7.81	3.78	924	53.3	38.9	1229	56.0	
72					B	10.0	30.868	6.56	0.80	0.46	7.81	2.99	894	89.3	34.2	1119	45.5	
73	P19	2000	12	15	S	1.0	30.109	7.12	0.92	0.53	8.04	3.11	637	90.6	31.2	1189	42.5	
74					M	3.0	30.123	7.04	0.82	0.41	8.04	4.44	647	84.0	40.6	1958	48.4	
75					B	5.0	30.186	7.11	0.92	0.52	8.05	5.47	756	89.3	33.2	1089	39.4	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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
76		2000	12	12	18	00	S	1.0	20.89	30.393	7.00	0.99	0.49	8.01	4.79	828	106.6	40.6	1049	37.5
77							M	3.0	20.88	30.432	7.04	0.98	0.52	8.05	3.85	785	98.6	41.6	1109	38.0
78							B	5.0	20.88	30.453	6.92	0.98	0.42	8.03	5.62	785	115.9	34.2	1029	35.6
79		2000	12	12	21	00	S	1.0	20.57	28.819	7.28	0.90	0.77	8.05	4.28	614	86.0	25.5	1609	36.9
80							M	4.0	20.79	30.851	7.25	0.87	0.42	8.06	2.76	713	92.0	31.8	1339	34.3
81							B	7.0	20.81	30.871	7.29	0.92	0.66	8.08	3.54	766	85.3	34.5	1409	30.6
82		2000	12	13	00	00	S	1.0	20.68	30.942	7.22	0.90	0.32	8.05	7.79	330	82.6	26.5	1149	32.7
83							M	4.1	20.70	30.940	7.23	0.87	0.40	8.06	6.12	436	72.0	34.2	1279	36.4
84							B	7.2	20.70	30.937	7.28	0.92	0.98	8.07	2.79	330	65.3	31.8	1279	32.2
85		2000	12	13	03	00	S	1.0	20.33	29.136	6.83	2.04	1.09	7.98	6.05	409	93.3	25.5	1659	46.2
86							M	4.0	20.35	29.109	6.87	1.78	0.99	8.00	5.49	769	88.0	36.5	1479	45.5
87							B	7.0	20.36	29.147	6.85	2.01	1.36	8.00	4.95	818	103.9	32.2	1369	43.6
88		2000	12	13	06	00	S	1.0	19.85	24.789	7.09	2.40	1.20	7.93	4.45	617	93.3	27.2	1927	62.7
89							M	3.4	19.88	24.858	7.10	2.31	1.17	7.94	4.60	594	85.3	32.5	1809	62.1
90							B	5.8	19.93	25.011	7.02	1.67	1.43	7.94	4.04	729	88.0	26.8	1953	59.2
91		2000	12	13	09	00	S	1.0	19.94	28.148	6.88	2.21	0.89	7.96	3.82	766	89.3	33.9	1689	51.6
92							M	3.3	19.98	28.162	6.87	2.40	1.05	7.97	3.61	805	98.6	37.2	3937	82.1
93							B	5.5	19.98	28.260	6.97	2.46	0.91	7.98	4.24	785	99.9	49.9	3677	82.9
94		2000	12	13	12	00	S	1.0	20.05	30.397	6.98	2.06	0.64	7.96	5.43	759	86.6	32.9	1309	39.0
95							M	3.0	20.03	30.404	6.99	1.76	0.70	7.99	3.59	660	127.9	34.2	2108	43.5
96							B	5.0	20.07	30.439	6.93	1.67	0.58	8.01	2.98	541	111.9	41.2	1079	35.0
97	P20	2000	12	11	10	00	S	1.0	21.26	29.984	7.31	0.48	0.65	8.00	2.59	403	34.6	28.8	1179	41.4
98							M	8.5	21.23	31.930	7.30	0.50	0.47	8.01	2.53	389	30.7	26.5	1069	34.6
99							B	16.0	21.23	31.941	7.26	0.54	0.55	8.03	2.76	429	42.6	19.1	1139	23.6
100		2000	12	11	13	00	S	1.0	21.34	30.335	7.27	0.58	0.56	8.04	3.08	330	34.6	22.8	1239	32.6

Detection limit

Printer: Yu Han Sheng, He Xiao Yuan
Checker: Kuang Zheng Chang
Examiner: Zhong Si Sheng, Cai Jian Dong

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

Continuous point in spring tide

Total page : 12

No.	Point No.	Sampling time			Depth	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
101																	
102																	
103		2000	12	11	16	00											
104																	
105																	
106		2000	12	11	19	00											
107																	
108																	
109		2000	12	11	22	00											
110																	
111																	
112		2000	12	12	01	00											
113																	
114																	
115		2000	12	12	04	00											
116																	
117																	
118		2000	12	12	07	00											
119																	
120																	
121	P22	2000	12	11	10	00											
122																	
123																	
124		2000	12	11	13	00											
125																	

Detection limit

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

Continuous point in spring tide

Total page : 12

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
126																	
127		2000	12	11	16	00	S	7.42	0.46	0.66	8.10	3.08	185	37.3	19.1	1189	21.5
128							M	7.21	0.40	0.38	8.11	3.07	257	28.0	17.4	1229	20.5
129							B	7.16	0.48	0.32	8.11	2.73	221	48.0	24.8	1349	22.0
130		2000	12	11	19	00	S	7.54	0.45	0.42	8.09	2.93	198	32.0	17.4	1179	18.6
131							M	7.51	0.42	0.36	8.11	2.78	175	29.3	19.1	1269	19.1
132							B	7.44	0.39	0.34	8.12	2.90	211	28.0	18.1	1069	18.1
133		2000	12	11	22	00	S	7.56	0.49	0.50	8.10	3.02	257	22.7	21.1	979	18.6
134							M	7.35	0.43	0.28	8.11	2.77	221	29.3	21.8	869	18.0
135							B	7.44	0.43	0.36	8.12	3.66	221	25.3	16.8	869	18.9
136		2000	12	12	01	00	S	7.38	0.51	0.36	8.10	5.69	149	14.7	11.4	949	21.5
137							M	7.44	0.54	0.40	8.11	2.18	238	21.3	17.4	1239	23.1
138							B	7.63	0.51	0.56	8.12	4.03	254	18.7	16.1	1179	18.3
139		2000	12	12	04	00	S	7.33	0.40	0.46	8.11	4.23	267	46.6	15.1	1279	23.3
140							M	7.32	0.37	0.51	8.13	3.30	211	49.3	17.8	1019	21.2
141							B	7.36	0.39	0.36	8.14	2.92	261	69.3	21.1	1279	22.6
142		2000	12	12	07	00	S	7.28	0.42	0.40	8.10	5.18	264	24.0	17.8	1309	22.5
143							M	7.24	0.44	0.29	8.12	3.06	310	20.0	15.4	1119	21.3
144							B	7.26	0.38	0.32	8.13	3.02	396	21.3	21.1	969	42.7

Detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
		Detection limit																
					6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2		
1	P01	2000	12	13:20	S	605.4	128.0						0.058	0.0223	0.34		*:Half value of detection limit	
2					M	514.0	111.8							0.0645	0.74			
3					B	582.6	108.9							0.1841	0.51			
4		2000	12	13:23	S	483.0	121.1	0.0097	0.6	32.0	1.94	0.30	2.76	0.0297	0.44			
5					M	464.2	135.9							0.0358	0.61			
6					B	122.4	120.4	0.0185	0.3	35.2	2.59	0.35	6.10	0.2410	0.66			
7		2000	12	14:02	S	559.7	110.4						0.043	0.0206	0.40			
8					M	573.2	117.5							0.0235	0.36			
9					B	551.6	114.7							0.0557	0.43			
10		2000	12	14:05	S	593.3	128.7							0.0403	0.38			
11					M	597.4	107.8							0.0500	0.46			
12					B	601.4	102.8							0.1704	0.58			
13		2000	12	14:08	S	625.6	102.1	0.0044	1.0	38.0	1.94	0.26	0.052	0.0254	0.70			
14					M	386.1	98.1							0.1357	0.27			
15					B	240.8	92.0	0.0062	0.8	39.2	1.82	0.52	5.02	0.1598	0.42			
16		2000	12	14:11	S	546.2	84.5							0.0434	1.02			
17					M	613.5	102.1							0.1408	0.51			
18					B	614.9	79.1							0.3272	0.51			
19		2000	12	14:14	S	577.2	101.4						0.056	0.0237	0.43			
20					M	596.0	95.6							0.0309	0.34			
21					B	536.8	100.6							0.1844	0.44			
22		2000	12	14:17	S	371.3	104.2							0.0143	0.55			
23					M	336.4	128.0							0.0375	0.43			
24					B	491.1	103.9							0.1694	0.52			
25	P11	2000	12	13:20	S	707.7	45.7						0.027	0.0262	0.67		*:Half	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
						6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2	
26					M	581.2	47.1								0.0262	0.74		value of detection limit
27					B	773.6	50.7								0.0321	0.84		
28		2000	12	13	00	667.3	42.8	0.0315	0.8	33.0	1.46	0.58	9.23		0.1104	0.81		
29					M	668.7	44.9								0.1278	0.50		
30					B	625.6	39.9	0.0573	0.7	27.6	0.57	0.36	6.07		0.2438	1.18		
31		2000	12	14	02 00	764.2	61.8							0.039	0.0370	0.87		
32					M	719.8	47.8								0.0658	0.94		
33					B	787.1	23.7								0.0584	1.48		
34		2000	12	14	05 00	740.0	42.1								0.3630	0.52		
35					M	375.4	44.2								0.3970	0.61		
36					B	344.4	45.3								0.4840	0.38		
37		2000	12	14	08 00	449.4	59.3	0.0257	0.8	25.8	0.14	0.51	9.73	0.034	0.3240	1.05		
38					M	386.1	52.8								0.3650	1.21		
39					B	415.7	55.7	0.0188	1.0	27.1	0.77	0.49	7.03		0.4395	0.94		
40		2000	12	14	11 00	347.1	78.7								0.0358	1.47		
41					M	271.8	83.4								0.0536	1.44		
42					B	277.2	78.4								0.1340	1.19		
43		2000	12	14	14 00	335.0	71.5						0.03	0.0689	1.31			
44					M	670.0	70.1								0.0600	0.64		
45					B	360.6	69.4								0.1090	1.03		
46		2000	12	14	17 00	383.5	63.3								0.0229	1.09		
47					M	371.3	73.0								0.0262	0.97		
48					B	239.5	66.5								0.0473	1.09		
49	P12	2000	12	12	15 00	461.5	34.5						0.034	0.0121	1.43			*: Half value of detection
50					M	581.2	28.8								0.0178	1.90		

Printer: Yu Han Sheng, He Xiao Yuan
 Checker: Kuang Zheng Chang
 Examiner: Zhong Si Sheng, Cai Jian Dong

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
						6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2	Detection limit * : Half value of detection limit
51					B	540.9	35.6							0.0762	2.11			
52		2000	12	18	00	S	504.5	33.1						0.0135	0.78			
53					M	391.5	44.2							0.0141	1.52			
54					B	618.9	37.0							0.0171	1.32			
55		2000	12	21	00	S	251.6	20.8					0.036	0.0273	1.11			
56					M	201.8	22.3							0.0429	1.05			
57					B	195.1	34.9							0.0598	1.22			
58		2000	12	13	00	S	149.3	31.3	1.2	31.6	0.79	0.51	2.58	0.0165	1.25			
59					M	139.9	33.1							0.0194	0.92			
60					B	196.4	42.8	0.0251	0.4	28.1	0.79	0.56	2.29	0.0220	1.98			
61		2000	12	13	03	00	S	426.5	26.2				0.036	0.0760	0.76			
62					M	464.2	28.8							0.0796	0.70			
63					B	624.3	35.2							0.1791	0.27			
64		2000	12	13	06	00	S	484.4	44.9	0.6	27.0	1.13	0.24	0.1561	0.39			
65					M	407.7	51.4							0.1788	0.78			
66					B	648.5	51.0	0.0364	0.5	35.4	0.58	0.52	4.46	0.3722	0.51			
67		2000	12	13	09	00	S	391.5	49.6				0.039	0.0317	1.02			
68					M	538.2	50.7							0.0307	0.75			
69					B	705.0	48.5							0.0509	0.39			
70		2000	12	13	12	00	S	670.0	50.0					0.0164	1.07			
71					M	744.0	51.0							0.0214	1.00			
72					B	734.6	43.1							0.0446	1.04			
73	P19	2000	12	15	00	S	477.6	53.9					0.030	0.1054	1.23			
74					M	480.3	43.1							0.1144	0.96			
75					B	581.2	57.2							0.0853	1.30			

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
						6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2	
76		2000	12	18	00	633.7	59.3							0.1492	1.51			
77						671.4	56.4							0.1417	1.17			
78						577.2	65.1							0.1440	1.77			
79		2000	12	21	00	484.4	17.3						0.022	0.0650	1.31			
80						589.3	16.9							0.0724	1.38			
81						622.9	23.4							0.0720	1.87			
82		2000	12	13	00	133.2	15.1	0.0226	0.6	48.9	0.31	0.95	5.29	0.0455	1.54			
83						131.9	15.1							0.0548	1.31			
84						195.1	24.4	0.0234	1.3	44.6	0.82	0.70	6.09	0.0425	1.64			
85		2000	12	13	03	289.3	19.4						0.052	0.8040	2.50			
86						296.0	23.4							0.7210	2.36			
87						289.3	17.6							0.5493	1.02			
88		2000	12	13	06	390.2	12.9	0.0488	1.1	44.8	0.44	0.38	4.95	0.7930	0.52			
89						456.1	11.5							0.7925	0.58			
90						452.1	16.2	0.0518	0.8	46.3	0.59	0.32	5.56	0.9865	0.56			
91		2000	12	13	09	271.8	12.9						0.04	0.4605	0.81			
92						228.7	17.6							0.4395	0.83			
93						273.1	12.9							0.4175	0.76			
94		2000	12	13	12	227.4	22.3							0.2605	1.38			
95						173.6	25.9							0.2440	1.01			
96						250.3	19.8							0.2665	1.27			
97	P20	2000	12	11	10	213.9	50.7						0.026	0.0091	2.42		*: Half value of detection limit	
98						205.9	56.1							0.0139	3.37			
99						135.9	33.1							0.0269	4.52			
100		2000	12	11	13	205.9	37.7							0.0073	3.77			

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WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
						6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2	
101					M	144.0	30.6								0.0121	4.46		
102					B	138.6	28.4								0.0185	3.98		
103		2000	12	11	00	S	208.5	54.3					0.022	0.0062	3.11			
104					M	148.0	48.2							0.0183(*)	4.37			
105					B	96.9	20.1							0.0252	0.69			
106		2000	12	11	00	S	129.2	28.4						0.0033	3.68			
107					M	138.6	16.5							0.0063	2.02			
108					B	139.9	23.4							0.0264	2.31			
109		2000	12	11	00	S	384.8	17.3	0.7	48.3	0.26	0.35	2.18	0.019	0.0089	2.07		
110					M	213.9	17.3							0.0085	2.25			
111					B	199.1	19.1	0.0123	0.3	52.2	0.33	0.50	2.09		0.0167	1.98		
112		2000	12	12	01	S	150.7	23.0						0.0102	2.24			
113					M	153.4	25.5							0.0095	2.23			
114					B	203.2	29.5							0.0326	4.21			
115		2000	12	12	04	S	236.8	35.9	0.2	45.4	0.35	0.58	2.36	0.027	0.0541	0.95		
116					M	153.4	30.2							0.0253	1.75			
117					B	164.1	15.1	0.0332	0.2	55.8	0.53	0.70	4.99		0.0696	1.68		
118		2000	12	12	07	S	462.8	50.3						0.1352	1.38			
119					M	578.5	44.6							0.0384	2.11			
120					B	582.6	47.8							0.0439	2.28			
121	P22	2000	12	11	00	S	183.0	24.8					0.018	0.0090	2.99			
122					M	126.5	22.3							0.0054	3.37			
123					B	138.6	13.7							0.0067	3.82			
124		2000	12	11	00	S	153.4	11.1						0.0034	4.21			
125					M	199.1	15.5							0.0031	4.73			

*: Half value of detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in spring tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
		H M ir																
						6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2	
126				B		152.0	19.4							0.0071	4.79			
127		2000	12	11	16	00	S						0.03	0.0041	4.21			
128				M		148.0	27.0							0.0044	4.73			
129				B		142.6	29.5							0.0148	4.30			
130		2000	12	11	19	00	S							0.0106	4.30			
131				M		121.1	30.2							0.0112	4.24			
132				B		119.7	15.1							0.0192	4.80			
133		2000	12	11	22	00	S	0.0177	0.2	23.8	1.81	0.27	3.01	0.018	0.0106	3.56		
134				M		125.1	16.9							0.0101	3.97			
135				B		129.2	12.6	0.0142	0.4	20.5	0.38	0.33	4.60	0.0152	3.71			
136		2000	12	12	01	00	S							0.0153	3.71			
137				M		109.0	11.5							0.0124	2.68			
138				B		90.1	6.8							0.0186	3.88			
139		2000	12	12	04	00	S	0.0188	0.2	25.6	0.12	0.38	3.03	0.018	0.0294	4.12		
140				M		88.8	15.5							0.0251	3.77			
141				B		104.9	10.1	0.0244	0.2	27.0	1.16	0.30	3.24	0.0262	5.19			
142		2000	12	12	07	00	S							0.0183	1.75			
143				M		121.1	11.5							0.0152	1.91			
144				B		183.0	11.1							0.0205	1.97			

*SSオリジナルデータは0.6183であったが、これは0.0183の誤り。0.0183に訂正(2001年2月14日16時川村)
*TPオリジナルデータは0.036であったが、これは0.086の誤り。0.086に訂正(2001年2月16日川村)

Printer: Yu Han Sheng, He Xiao Yuan
Checker: Kuang Zheng Chang
Examiner: Zhong Si Sheng, Cai Jian Dong

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			Depth	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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																
												Detection limit								
							0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5				
1	P01	2000	12	07	20	00	S	1.0	21.10	16.707	5.60	1.84	0.60	7.72	3.46	977	75.2	48.4	3969	150.4
2							M	14.0	21.10	19.437	5.92	1.72	1.25	7.73	3.55	945	91.6	58.4	2784	136.9
3							B	27.0	21.12	24.408	6.04	1.75	1.07	7.83	4.11	970	102.5	53.1	2103	111.2
4		2000	12	07	23	00	S	1.0	21.14	16.344	5.80	1.67	0.62	7.73	3.32	1151	83.4	52.4	3807	140.7
5							M	14.5	21.12	22.399	5.97	0.94	0.53	7.73	2.93	824	71.1	53.4	2440	116.5
6							B	28.0	21.20	24.427	6.08	1.23	0.68	7.81	3.16	765	131.2	63.7	2246	112.8
7		2000	12	08	02	00	S	1.0	21.43	13.766	5.78	1.57	0.24	7.78	3.54	1352	90.2	55.1	3695	128.5
8							M	13.0	21.16	18.812	5.78	1.43	0.43	7.76	3.40	1071	95.7	57.0	3442	145.4
9							B	25.0	21.16	22.470	5.87	1.54	1.07	7.75	3.27	952	90.2	62.0	2582	128.5
10		2000	12	08	05	00	S	1.0	20.66	10.376	5.62	1.82	0.73	7.65	3.13	1091	94.3	52.1	3754	145.2
11							M	13.5	21.12	19.385	5.40	1.88	0.97	7.58	3.50	935	95.7	55.1	3857	156.6
12							B	26.0	21.12	21.150	5.70	1.47	0.98	7.73	3.47	977	132.6	60.7	2766	135.0
13		2000	12	08	08	00	S	1.0	20.90	15.121	5.65	1.37	0.61	7.65	3.51	1258	118.9	63.0	3625	148.1
14							M	13.0	21.10	20.306	5.66	0.90	0.43	7.66	2.99	1147	91.6	59.7	3205	140.6
15							B	25.0	21.17	23.683	5.87	0.97	0.55	7.78	3.23	796	123.0	57.4	2521	127.4
16		2000	12	08	11	00	S	1.0	20.98	16.651	6.10	1.11	0.48	7.76	3.25	1067	99.8	57.4	3392	133.9
17							M	13.5	21.20	21.806	5.85	0.76	0.47	7.76	2.79	942	92.9	59.4	2736	132.1
18							B	26.0	21.12	23.853	5.84	1.51	0.48	7.84	2.76	799	118.9	80.3	3562	121.0
19		2000	12	08	14	00	S	1.0	21.38	12.855	5.70	1.62	0.65	7.59	3.01	1321	99.8	57.4	3794	147.2
20							M	13.0	21.26	18.786	5.72	1.36	0.48	7.58	3.46	1074	106.6	59.0	3371	144.1
21							B	25.0	21.14	21.955	5.84	1.11	0.31	7.60	2.94	1147	97.0	59.4	3215	141.5
22		2000	12	08	17	00	S	1.0	21.13	11.815	5.38	1.80	0.48	7.54	2.93	1528	61.3	31.2	3607	118.5
23							M	13.5	21.12	20.672	5.62	1.18	0.61	7.67	3.66	931	44.0	22.8	3225	111.6
24							B	26.0	21.13	22.744	5.62	2.31	0.79	7.78	3.79	660	66.6	46.6	2458	105.5
25	P11	2000	12	07	20	00	S	1.0	21.28	28.442	7.17	0.82	0.68	8.00	3.56	591	79.3	13.3	2459	92.8

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

Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
Detection limit																	
							0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
26					4.0	21.09	6.89	0.46	0.36	8.04	3.13	539	80.6	10.6	2012	61.6	
27					7.0	21.16	6.67	0.81	0.31	8.02	4.45	504	80.6	11.3	1846	52.2	
28		2000	12	07	23	00	7.09	0.52	0.36	7.98	3.76	667	73.8	9.3	2858	99.7	
29					4.3	21.17	6.99	0.31	0.80	8.03	3.06	685	61.5	11.6	1815	72.1	
30					7.5	21.18	7.07	0.46	0.75	8.05	3.83	421	54.7	19.9	1722	42.4	
31		2000	12	08	02	00	7.19	0.94	0.60	7.93	2.78	1067	77.9	29.9	3675	140.4	
32					3.8	21.12	6.94	0.50	0.48	8.05	2.56	539	97.0	27.9	1608	50.1	
33					6.5	21.13	6.90	0.44	0.29	8.06	2.78	657	95.7	19.9	1400	49.2	
34		2000	12	08	05	00	7.07	0.83	0.35	7.97	2.40	859	46.5	36.8	2613	113.6	
35					4.0	21.13	6.94	0.51	0.45	8.03	3.33	726	61.5	34.8	2365	90.6	
36					7.0	21.10	6.93	0.53	0.32	8.06	3.38	535	39.6	33.8	2386	76.8	
37		2000	12	08	08	00	6.97	0.69	0.31	8.02	2.89	775	39.6	36.5	1909	82.5	
38					4.0	21.11	7.01	0.62	0.32	8.03	3.43	619	47.8	36.2	1971	79.9	
39					7.0	21.11	6.95	0.64	0.26	8.06	2.85	549	46.5	31.8	1649	59.0	
40		2000	12	08	11	00	7.11	0.80	0.42	8.04	2.68	1675	45.1	36.2	2246	99.9	
41					4.0	21.09	6.89	0.60	0.32	8.06	2.03	1043	36.9	35.2	1701	69.2	
42					7.0	21.18	6.85	0.69	0.31	8.08	4.51	518	42.4	30.2	1183	50.1	
43		2000	12	08	14	00	7.32	0.77	0.43	8.03	3.14	685	47.8	43.4	2307	96.5	
44					3.9	21.18	6.87	0.60	0.26	8.07	3.43	584	35.5	29.2	1826	66.2	
45					6.8	21.15	6.86	0.69	0.25	8.07	4.24	615	62.9	30.8	1473	65.5	
46		2000	12	08	17	00	7.40	0.83	0.51	8.04	3.38	744	75.2	39.5	2327	98.2	
47					4.0	21.19	7.38	0.83	0.52	8.05	3.04	751	62.9	39.1	2064	90.4	
48					7.0	21.17	6.89	0.72	0.52	8.05	2.79	462	102.5	55.4	1826	71.6	
49	P12	2000	12	06	15	00	6.85	0.71	0.32	7.99	3.60	865	92.9	82.6	1691	80.5	
50					6.0	21.29	6.61	0.68	0.33	8.00	3.70	719	113.4	85.6	1639	79.9	

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WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			Depth	Sampling depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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														
Detection limit																		
								0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
51					B	11.0	21.53	31.552	0.70	0.56	8.00	3.30	1098	77.9	52.7	1141	56.8	
52		2000	12	06	S	1.0	21.45	31.134	0.47	0.70	8.03	3.45	879	68.3	64.3	1193	62.3	
53					M	6.5	21.55	31.950	0.40	0.48	8.02	3.27	619	69.7	55.1	1224	59.2	
54					B	12.0	21.56	31.986	0.59	0.29	8.02	3.14	407	73.8	47.8	1234	47.3	
55		2000	12	06	S	1.0	21.45	31.451	0.51	0.44	8.05	3.12	563	62.9	50.1	1349	58.6	
56					M	6.3	21.48	31.754	0.45	0.33	8.06	3.28	438	54.7	44.1	1307	56.2	
57					B	11.5	21.52	32.049	0.58	0.33	8.06	2.94	445	50.6	42.5	1234	42.0	
58		2000	12	07	S	1.0	21.11	30.064	0.70	0.42	8.02	3.08	633	77.9	69.7	1680	76.2	
59					M	6.0	21.53	31.821	0.55	0.20	8.01	3.13	574	57.4	53.7	1338	57.5	
60					B	11.0	21.54	31.995	0.51	0.30	8.01	2.79	327	49.2	44.4	1234	44.9	
61		2000	12	07	S	1.0	21.18	27.681	0.54	0.46	8.02	3.48	786	98.4	61.0	1955	90.1	
62					M	5.5	21.38	30.835	0.48	0.70	8.01	2.93	667	103.9	61.0	1732	77.7	
63					B	10.0	21.50	31.455	0.46	0.33	8.03	2.85	601	103.9	57.4	1608	61.8	
64		2000	12	07	S	1.0	21.00	28.666	0.35	0.44	8.03	2.76	664	86.1	58.4	1691	81.0	
65					M	6.0	21.50	31.699	0.29	0.44	8.03	2.93	525	92.9	55.7	1494	56.6	
66					B	11.0	21.50	31.775	0.48	0.56	8.04	3.03	494	88.8	44.4	1369	49.6	
67		2000	12	07	S	1.0	21.34	30.782	0.44	0.42	8.04	2.71	615	91.6	55.4	1670	64.7	
68					M	5.5	21.39	31.472	0.49	0.66	8.04	3.12	681	92.9	51.1	1566	57.9	
69					B	10.0	21.44	31.878	0.55	0.51	8.04	2.96	396	131.2	54.1	1483	48.8	
70		2000	12	07	S	1.0	21.58	28.519	0.48	0.64	8.02	2.88	657	53.3	44.1	2324	83.2	
71					M	5.5	21.47	31.029	0.49	0.35	8.01	3.37	424	34.2	25.5	1961	76.6	
72					B	10.0	21.45	31.035	0.55	0.34	7.98	2.79	365	58.8	15.3	2178	70.1	
73	P19	2000	12	06	S	1.0	21.78	23.200	0.29	0.75	8.04	4.28	622	39.6	38.8	2266	87.5	
74					M	3.3	20.70	28.297	0.62	0.64	8.07	4.28	584	58.8	31.2	2116	64.9	
75					B	5.5	20.66	30.665	0.44	0.26	8.08	3.63	504	47.8	21.9	2137	44.2	

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

Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			Depth	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
												Detection limit					
							0.12	0.10	0.20	0.10	0.10	0.18	14	1.6	1.0	14	0.5
76		2000	12	06	18	00	S	27.105	21.04	7.76	0.54	3.23	608	39.6	34.5	1533	77.5
77							M	31.271	20.77	7.70	0.59	4.25	421	47.8	27.5	1722	59.7
78							B	31.528	20.80	7.33	0.62	4.00	327	46.5	21.9	1120	36.6
79		2000	12	06	21	00	S	29.791	20.72	7.45	0.26	3.53	452	69.7	31.8	1328	61.2
80							M	31.561	20.72	7.21	0.23	3.92	459	47.8	26.5	1224	39.2
81							B	31.684	20.74	6.90	0.29	4.03	417	57.4	21.9	985	31.6
82		2000	12	07	00	00	S	21.696	20.19	7.32	0.57	3.19	1001	47.8	35.2	3215	122.4
83							M	31.330	20.77	6.93	0.32	3.53	872	41.0	19.9	1826	43.1
84							B	31.486	20.80	6.70	0.36	2.93	1105	54.7	15.3	1546	30.3
85		2000	12	07	03	00	S	20.761	20.41	7.41	0.59	4.82	949	67.0	40.1	2542	121.3
86							M	31.444	20.81	7.35	0.64	4.19	973	41.0	33.8	2365	95.4
87							B	31.554	20.80	7.21	0.48	2.87	476	21.9	19.9	1774	44.8
88		2000	12	07	06	00	S	18.011	20.36	7.48	0.70	3.03	907	49.2	36.2	2906	110.8
89							M	31.440	20.75	7.28	0.60	3.56	580	43.7	22.6	2002	60.1
90							B	31.561	20.75	6.97	0.41	2.86	455	45.1	17.2	1276	30.0
91		2000	12	07	09	00	S	22.322	20.65	7.66	0.78	2.74	956	53.3	41.1	3297	137.8
92							M	28.300	20.78	7.05	0.45	2.94	469	46.5	21.2	1577	52.5
93							B	31.507	20.74	7.05	0.34	3.13	393	45.1	22.2	1566	35.7
94		2000	12	07	12	00	S	22.460	20.85	7.66	0.25	2.77	1071	86.1	38.5	3389	145.2
95							M	30.816	20.80	7.01	0.48	2.24	563	34.2	26.2	1504	47.0
96							B	31.192	20.80	6.93	0.53	2.86	334	35.5	21.9	1400	38.8
97	P20	2000	12	05	10	00	S	32.086	21.10	7.17	0.40	3.63	195	32.8	25.2	861	25.0
98							M	32.597	21.12	7.09	0.44	3.72	504	53.3	21.2	799	20.9
99							B	32.595	21.12	7.12	0.48	3.43	393	46.5	18.9	1027	25.7
100		2000	12	05	13	00	S	32.572	21.23	7.22	0.51	3.30	309	36.9	24.9	799	19.4

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

Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
						Detection limit											
							0.12	0.10	0.20	0.10	0.18	14	1.6	1.0	14	0.5	
101					M	7.5	21.16	32.561									
102					B	14.0	21.14	32.580									
103		2000	12	05	S	1.0	21.19	32.467									
104					M	8.0	21.15	32.492									
105					B	15.0	21.17	32.513									
106		2000	12	05	S	1.0	21.22	32.418									
107					M	8.3	21.23	32.417									
108					B	15.5	21.22	32.430									
109		2000	12	05	S	1.0	21.24	32.401									
110					M	8.0	21.25	32.402									
111					B	15.0	21.19	32.435									
112		2000	12	06	S	1.0	21.13	32.403									
113					M	8.3	21.17	32.427									
114					B	15.5	21.17	32.447									
115		2000	12	06	S	1.0	21.12	32.426									
116					M	8.0	21.15	32.422									
117					B	15.0	21.16	32.423									
118		2000	12	06	S	1.0	21.10	32.433									
119					M	8.1	21.13	32.428									
120					B	15.2	21.14	32.430									
121	P22	2000	12	05	S	1.0	20.99	32.393									
122					M	6.0	21.07	32.489									
123					B	11.0	21.07	32.493									
124		2000	12	05	S	1.0	21.12	32.443									
125					M	6.5	21.09	32.443									

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Total page : 12

No.	Point No.	Sampling time			Depth (m)	Water temperature (°C)	Salinity	DO (mg/dm ³)	COD _{Mn} (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													
							0.12	0.10	0.20	0.10	0.10	0.18	14	1.6	1.0	14	0.5
126						32.466	7.19	0.23	0.46	8.13	2.92	153	35.5	17.6	985	17.8	
127		2000	12	05	16	32.445	7.36	0.29	0.53	8.14	3.37	282	41.0	21.9	996	16.5	
128						32.495	7.33	0.31	0.56	8.16	3.27	434	47.8	17.9	1017	16.6	
129						32.493	7.23	0.23	0.66	8.15	3.24	229	41.0	17.9	1328	17.8	
130		2000	12	05	19	32.491	7.32	0.25	0.47	8.12	3.33	216	57.4	21.9	1017	15.7	
131						32.498	7.32	0.26	0.39	8.14	3.08	365	57.4	25.2	1006	15.7	
132						32.496	7.30	0.26	0.55	8.14	3.56	483	38.3	30.8	1214	15.9	
133		2000	12	05	22	32.510	7.23	0.35	0.48	8.12	3.65	403	51.9	31.5	830	14.8	
134						32.503	7.29	0.23	0.39	8.13	3.00	525	62.9	28.5	892	15.4	
135						32.492	7.41	0.32	0.10*	8.13	2.95	247	54.7	38.1	871	16.1	
136		2000	12	06	01	32.489	7.09	0.19	0.20	8.13	2.59	240	47.8	15.9	1857	16.6	
137						32.495	7.09	0.22	0.10*	8.14	2.57	184	41.0	16.9	1929	15.4	
138						32.498	7.18	0.16	0.85	8.14	2.39	261	42.4	14.9	1546	15.7	
139		2000	12	06	04	32.502	7.30	0.37	0.25	8.13	3.06	268	31.4	14.9	1276	15.9	
140						32.503	7.16	0.29	0.64	8.14	3.08	212	32.8	16.6	1732	15.5	
141						32.503	7.16	0.43	0.52	8.15	2.68	368	35.5	14.9	1452	15.4	
142		2000	12	06	07	32.508	7.26	0.37	0.57	8.10	3.08	323	47.8	15.9	1743	14.8	
143						32.504	7.18	0.29	0.49	8.10	2.96	240	47.8	17.6	1784	15.0	
144						32.498	7.23	0.26	0.39	8.11	5.79	452	39.6	17.2	1452	15.5	

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

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/100cm ³)	Remark		
		Y	M	D																
		H:Min																		
1	P01	2000	12	07	00	S	705.8	66.1	0.0450	0.4	23.6	1.20	0.12	2.58	0.050	0.0015	0.10	2		
2						M	649.3	50.8							0.0844	0.73				
3						B	490.3	51.9	0.0293	1.2	27.9	1.89	0.17	4.94	0.1104	0.20	48			
4		2000	12	07	23	00	S	634.5	52.6						0.0072	0.43	68			
5						M	531.9	56.0							0.0235	0.40				
6						B	493.3	67.9							0.0440	0.39	14			
7		2000	12	08	02	00	S	708.8	65.1					0.045	0.0062	0.30	58			
8						M	659.7	65.8							0.0079	0.38				
9						B	578.0	88.4							0.0882	0.43	40			
10		2000	12	08	05	00	S	711.7	58.1	0.0132	0.8	31.5	1.64	0.10	0.0283	0.39	116			
11						M	711.7	58.8							0.0008*	0.37				
12						B	606.2	59.5	0.0277	0.4	35.6	1.73	0.21	2.85	0.0302	0.44	32			
13		2000	12	08	08	00	S	708.8	81.1					0.050	0.0107	1.01	648			
14						M	677.6	61.6							0.0149	0.80				
15						B	578.0	89.1							0.0405	0.44	30			
16		2000	12	08	11	00	S	655.3	73.4						0.0082	0.63	92			
17						M	609.2	84.9							0.0097	0.38				
18						B	542.3	81.4							0.2408	0.44	78			
19		2000	12	08	14	00	S	710.3	74.8					0.048	0.0100	1.39	204			
20						M	650.8	99.5							0.0081	0.87				
21						B	644.9	87.7							0.0102	0.47	158			
22		2000	12	08	17	00	S	604.1	96.3						0.0082	0.42	116			
23						M	567.8	24.8							0.0364	0.25				
24						B	522.0	27.3							0.2028	0.30	62			
25	P11	2000	12	07	20	00	S	350.7	25.4	0.0104	0.5	14.5	0.32	2.53	0.027	0.0059	2.14	2		*: Half

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
		HMin																
26					M	199.1	23.7							0.0015	0.10	2	value of detection limit	
27					B	118.9	24.7	0.0152	1.1	17.1	2.03	0.30	3.17	0.0154	2.81	4		
28		2000	12	07	S	481.4	30.3							0.0065	1.88	1*		
29					M	300.1	23.7							0.0056	2.22			
30					B	160.5	27.5							0.0114	3.43	2		
31		2000	12	08	S	692.4	74.1						0.033	0.0025	1.49	4		
32					M	215.5	54.0							0.0181	1.88			
33					B	169.4	13.6							0.0270	1.90	2		
34		2000	12	08	S	500.7	99.9							0.0087	1.23	2		
35					M	410.1	62.7							0.0092	1.62			
36					B	267.5	68.6							0.0111	1.56	1*		
37		2000	12	08	S	401.2	81.4						0.028	0.0067	2.71	2		
38					M	407.1	76.2							0.0074	2.77			
39					B	252.6	67.2							0.0138	1.47	4		
40		2000	12	08	S	463.6	88.4							0.0062	3.23	2		
41					M	288.3	76.9							0.0083	1.48			
42					B	206.5	65.4							0.0105	1.60	2		
43		2000	12	08	S	490.3	74.1	0.0074	1.3	20.4	3.41	0.26	2.40	0.0063	3.22	1*		
44					M	298.7	62.7							0.0232	1.91			
45					B	271.9	60.2	0.0215	1.1	28.5	1.77	0.19	3.08	0.0084	1.52	2		
46		2000	12	08	S	531.9	53.3							0.0074	3.88	1*		
47					M	468.1	69.3							0.0093	4.30			
48					B	282.3	57.4							0.0322	0.72	4		
49	P12	2000	12	06	S	124.8	83.5						0.028	0.0100	2.10	198	*: Half value of detection	
50					M	254.1	246.4							0.0074	1.82			

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Examiner: Zhong Si Sheng, Cai Jian Dong

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

No.	Point No.	Sampling time			D e p t h	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/100cm ³)	Remark
		Y	M	D														
		Min	H	Min														
51					6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2		
52		2000	12	06	163.4	155.9								0.0351	0.77	604		
53					196.1	173.3	0.0206	1.4	16.5	0.49	0.59	2.78		0.0131	1.37	52		
54					205.1	150.0								0.0120	1.00			
55		2000	12	06	175.3	118.3	0.0294	0.5	13.9	0.37	0.32	1.89	0.028	0.0273	0.70	520		
56					263.0	103.4								0.0092	1.35	26		
57					237.7	90.8								0.0125	1.05			
58		2000	12	07	199.1	83.9								0.0120	0.84	1700		
59					328.4	173.0								0.0055	0.93	34		
60					270.4	142.7								0.0145	0.84			
61		2000	12	07	413.1	148.6							0.041	0.0081	0.90	216		
62					349.2	161.5								0.0048	0.94			
63					252.6	164.3								0.0103	0.78	216		
64		2000	12	07	378.9	159.4								0.0071	1.08	212		
65					277.9	151.4								0.0052	0.81			
66					185.7	120.4								0.0140	0.89	292		
67		2000	12	07	264.5	153.8							0.027	0.0077	1.66	236		
68					179.8	136.1								0.0050	1.10			
69					228.8	108.2								0.0420	0.84	1072		
70		2000	12	07	276.4	111.0	0.0246	3.2	18.9	0.73	0.15	1.72		0.0053	1.82	28		
71					257.1	68.9								0.0047	1.71			
72					208.0	15.3	0.0361	2.2	17.3	0.26	0.08	2.02		0.0273	0.80	300		
73	P19	2000	12	06	438.3	84.9								0.0008*	2.72	2		
74					344.7	58.5								0.0036	4.34			
75					390.8	44.2								0.0042	6.29	1*		

*: Half value of detection limit

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
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Total page : 12

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/100cm ³)	Remark			
		Y	M	D																	
		H	Min																		
76		2000	12	06	18	00	S	386.3	71.4	0.0473	1.1	17.7	0.03	0.01	0.05	0.010	0.0015	0.10	2		
77							M	234.8	55.0									0.0062	4.82	4	
78							B	181.3	39.7	0.0361	1.0	18.4	1.60	0.09	2.58			0.0064	6.23		
79		2000	12	06	21	00	S	323.9	65.8							0.024		0.0071	6.33	2	
80							M	147.1	40.0									0.0095	3.14	32	
81							B	208.0	36.2									0.0090	5.70		
82		2000	12	07	00	00	S	638.9	58.8									0.0114	4.68	1*	
83							M	225.9	20.2									0.0078	0.89	10	
84							B	178.3	23.0									0.0057	5.94		
85		2000	12	07	03	00	S	554.2	89.5							0.028		0.0073	6.57	1*	
86							M	456.2	70.0									0.0008*	0.96	6	
87							B	236.3	38.3									0.0040	2.71		
88		2000	12	07	06	00	S	499.3	75.5									0.0043	4.70	1*	
89							M	276.4	33.1									0.0040	1.55	22	
90							B	176.8	28.9									0.0053	4.42		
91		2000	12	07	09	00	S	659.7	79.0							0.029		0.0053	5.30	2	
92							M	266.0	31.3									0.0047	2.39	8	
93							B	191.7	35.2									0.0058	5.12		
94		2000	12	07	12	00	S	618.1	101.6	0.0243	1.0	21.0	1.73	0.29	2.33			0.0058	3.64	2	
95							M	233.3	39.0									0.0046	1.17	12	
96							B	233.3	35.5	0.0224	1.0	23.7	1.77	0.03	2.91			0.0059	6.05		
97	P20	2000	12	05	10	00	S	111.4	11.8	0.0168	1.0	31.6	2.76	0.21	1.71	0.019		0.0019	4.74	1*	
98							M	99.6	13.9									0.0066	1.53	4	
99							B	77.3	18.1	0.0195	3.0	26.2	1.17	0.27	2.10			0.0070	0.60		
100		2000	12	05	13	00	S	83.2	19.1									0.0102	1.58	1*	
																		0.0068	0.73	2	

*: Half value of detection limit

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 Examiner: Zhong Si Sheng, Cai Jian Dong

WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
		Detection limit																
					6.0	5.0	0.0034	0.2	3.1	0.03	0.01	0.05	0.010	0.0015	0.10	2		
101					80.2	10.8								0.0094	0.72			
102					99.6	6.3								0.0068	2.50	6		
103		2000	12	05	16	00							0.018	0.0059	1.63	2		
104					90.6	10.1								0.0150	0.60			
105					104.0	15.3								0.0179	0.87	2		
106		2000	12	05	19	00		0.9	26.2	1.88	0.07	1.86		0.0078	3.20	1*		
107					75.8	9.4								0.0095	0.74			
108					75.8	25.8	0.0269	0.5	25.4	1.25	0.08	1.87		0.0067	0.66	2		
109		2000	12	05	22	00							0.022	0.0054	2.86	2		
110					92.1	11.5								0.0082	2.99			
111					96.6	20.2								0.0069	3.35	4		
112		2000	12	06	01	00								0.0055	4.24	74		
113					92.1	11.1								0.0063	2.77			
114					87.7	12.5								0.0087	3.98	6		
115		2000	12	06	04	00							0.019	0.0078	2.39	2		
116					86.2	14.6								0.0055	2.39			
117					92.1	16.0								0.0105	1.73	2		
118		2000	12	06	07	00								0.0080	3.02	4		
119					111.4	19.1								0.0131	3.37			
120					120.4	25.1								0.0156	3.52	2		
121	P22	2000	12	05	10	00		0.6	16.5	1.91	0.16	2.47	0.016	0.0091	2.10	1*	*: Half value of detection limit	
122					124.8	13.9								0.0052	2.57			
123					117.4	24.0	0.0197	0.2	13.9	3.03	0.10	2.19		0.0070	3.16	2		
124		2000	12	05	13	00								0.0069	3.91	4		
125					112.9	10.1								0.0098	3.55			

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WATER QUALITY DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY
Continuous point in neap tide

Total page : 12

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/100cm ³)	Remark
		Y	M	D														
		Min	Hi	Min														
126					B	89.2	8.4							0.0076	3.37	1*		
127		2000	12	05	S	111.4	10.4						0.022	0.0045	3.91	24		
128					M	108.5	7.3							0.0110	3.64			
129					B	102.5	11.5							0.0060	3.29	2		
130		2000	12	05	S	101.0	13.9	0.0220	1.0	18.9	3.16	0.27	2.21	0.0059	3.65	1*		
131					M	98.1	8.0							0.0091	3.55			
132					B	99.6	9.4	0.0249	1.2	17.3	1.77	0.31	2.08	0.0065	3.65	22		
133		2000	12	05	S	114.4	13.9						0.018	0.0008*	3.91	4		
134					M	89.2	8.4							0.0043	3.28	4		
135					B	117.4	17.1							0.0049	3.52	4		
136		2000	12	06	S	117.4	9.4							0.0043	2.98	1*		
137					M	86.2	8.4							0.0042	2.39			
138					B	99.6	13.6							0.0063	2.29	2		
139		2000	12	06	S	105.5	11.8						0.019	0.0076	2.69	4		
140					M	115.9	17.4							0.0045	1.73			
141					B	115.9	11.1							0.0052	3.44	1*		
142		2000	12	06	S	123.3	9.7							0.0066	3.77	8		
143					M	117.4	12.2							0.0090	4.09			
144					B	107.0	9.4							0.0088	3.46	1*		