

Guthalungra water quality monitoring

TSS				TN			
<i>Date</i>	<i>E1</i>	<i>E2</i>	<i>Ocean</i>	<i>Date</i>	<i>E1</i>	<i>E2</i>	<i>Ocean</i>
3-Jan-02	8	4.3	1.5	3-Jan-02	0.248	0.143	0.139
10-Jan-02	5.6	3.3	1.3	10-Jan-02	0.142	0.146	0.155
17-Jan-02	5.4	12		17-Jan-02	0.183	0.17	
14-Jan-02	5	2.1	1.1	24-Jan-02	0.247	0.13	0.118
31-Jan-02	6.5	4.5	1.5	31-Jan-02	0.221	0.245	0.434
7-Feb-02	4.3	2.8	1.5	7-Feb-02	0.269	0.223	0.271
14-Feb-02	1070	368	9.3	14-Feb-02	2.44	1.21	0.233
21-Feb-02	3.4	6.8	4.6	21-Feb-02	0.434	0.318	0.268
28-Feb-02	8.8	9.5	4.7	28-Feb-02	0.232	0.228	
14-Mar-02	5	1.9	4	14-Mar-02	0.205	0.205	0.203
21-Mar-02	3	5.7	2.4	21-Mar-02	0.227	0.229	0.172
28-Mar-02	3.7	3.7	1.9	28-Mar-02	0.26	0.218	0.454
4-Apr-02	2.8	3.1	2.9	4-Apr-02	0.227	0.221	0.216
11-Apr-02	4.7	12		11-Apr-02	0.152	0.157	
18-Apr-02	25	4.9	4.9	18-Apr-02	0.219	0.131	0.106
2-May-02	17	15		2-May-02	0.212	0.29	
9-May-02	9.1	3.9	6.8	9-May-02	0.279	0.214	0.205
16-May-02	9.1	3.9	6.8	16-May-02	0.238	0.216	0.17
23-May-02	10	6	0.9	23-May-02	0.221	0.194	0.301
3-Jun-02	7.4	2.5	0.9	3-Jun-02	0.193	0.193	0.218
6-Jun-02	10	15		6-Jun-02	0.142	0.131	0.133
17-Jun-02	23	7.6		17-Jun-02	0.247	0.161	
20-Jun-02	10	23		20-Jun-02	0.158	0.19	
27-Jun-02	8.6	6.9		27-Jun-02	0.189	0.193	
11-Jul-02	5	3.3	2.7	11-Jul-02	0.213	0.125	0.112
18-Jul-02	7.1	3.3		18-Jul-02	0.176	0.117	
25-Jul-02	6.1	2.5	0.8	25-Jul-02	0.166	0.182	0.092
1-Aug-02	9.3	9.6		1-Aug-02	0.15	0.146	
8-Aug-02	3.1	3.1	1.8	8-Aug-02	0.171	0.102	0.081
19-Sep-02		4.7	1.4	19-Sep-02		0.208	0.16
7-Oct-02		5	13	7-Oct-02		0.22	0.223
17-Oct-02		12	14	17-Oct-02		0.223	0.195
7-Nov-02		4.4	2.9	7-Nov-02		0.112	0.107
21-Nov-02		5.1		21-Nov-02		0.279	
13-Dec-02		25		13-Dec-02		0.287	
9-Jan-03		13	2.7	9-Jan-03		0.123	0.076
23-Jan-03		4.5	1.9	23-Jan-03		0.127	0.121
12-Feb-03		4.5	2.6	12-Feb-03		0.158	0.094
6-Mar-03		19	8.2	6-Mar-03		0.165	0.123
24-Dec-04			3.1	24-Dec-04			0.38
13-Jan-05			3.7	13-Jan-05			0.336
20-Jan-05			16	20-Jan-05			0.374
27-Jan-05			6.1	27-Jan-05			0.456
4-Feb-05			4.9	4-Feb-05			0.404
23-Feb-05			7.9	23-Feb-05			0.22
4-Mar-05			4.6	4-Mar-05			0.212
10-Mar-05			8.8	10-Mar-05			0.391
16-Mar-05			6.3	16-Mar-05			0.209
24-Mar-05			2.3	24-Mar-05			0.306
1-Apr-05			4.7	1-Apr-05			0.303
7-Apr-05			3.4	7-Apr-05			0.481
13-Apr-05			5.2	13-Apr-05			0.251
22-Apr-05			2.7	22-Apr-05			0.106
28-Apr-05			4.2	28-Apr-05			0.229
6-May-05			2.6	6-May-05			0.111

TP				Chlorophyl a			
Date	E1	E2	Ocean	Date	E1	E2	Ocean
3-Jan-02	0.016	0.011	0.006	3-Jan-02	2.1	0.5	0.8
10-Jan-02	0.013	0.013	0.01	10-Jan-02	1.6	1.3	0.5
17-Jan-02	0.013	0.017		17-Jan-02	0.8	1.1	
24-Jan-02	0.017	0.009	0.009	24-Jan-02	0.5	0.2	0.5
31-Jan-02	0.052	0.046	0.04	31-Jan-02	1.3	1.1	0.8
7-Feb-02	0.052	0.053	0.049	7-Feb-02	0.5	1.3	0.5
14-Feb-02	0.471	0.211	0.052	14-Feb-02	11	16	3.2
21-Feb-02	0.058	0.056	0.052	21-Feb-02	0.3	1.3	1.1
28-Feb-02	0.074	0.068		28-Feb-02	1.6	2.7	1.3
14-Mar-02	0.056	0.052	0.055	14-Mar-02	0.8	1.1	0.8
21-Mar-02	0.06	0.061	0.052	21-Mar-02	1.1	1.1	1.1
28-Mar-02	0.061	0.056	0.059	28-Mar-02	0.2	0.3	1.3
4-Apr-02	0.058	0.055	0.053	4-Apr-02	0.2	0.5	0.3
11-Apr-02	0.017	0.022		11-Apr-02	0.5	0.8	
18-Apr-02	0.03	0.016	0.01	18-Apr-02	2.1	2.4	1.1
2-May-02	0.0091	0.062	0.026	2-May-02	1.3	2.5	
9-May-02	0.01	0.014	0.056	9-May-02	0.5	0.8	0.8
16-May-02	0.008	0.054	0.0074	16-May-02	0.5	0.8	0.8
23-May-02	0.018	0.016	0.062	23-May-02	0.2	0.3	0.2
3-Jun-02	0.021	0.018	0.011	3-Jun-02	0.2	0.2	0.3
6-Jun-02	0.029	0.021		6-Jun-02	0.3	0.2	
17-Jun-02	0.031	0.022		17-Jun-02	1.3	0.5	
20-Jun-02	0.035	0.028		20-Jun-02	0.3	0.5	
27-Jun-02	0.025	0.027		27-Jun-02	0.3	0.2	
11-Jul-02	0.029	0.023	0.021	11-Jul-02	0.8	0.5	0.3
18-Jul-02	0.029	0.023		18-Jul-02	2.4	6.1	
25-Jul-02	0.021	0.017	0.018	25-Jul-02	0.2	0.3	0.3
1-Aug-02	0.03	0.027		1-Aug-02	1.1	0.3	
8-Aug-02	0.025	0.022	0.013	8-Aug-02	0.5	0.8	0.3
19-Sep-02		0.015	0.015	19-Sep-02		0.8	0.8
7-Oct-02		0.015	0.02	7-Oct-02		0.5	0.3
17-Oct-02		0.02	0.018	17-Oct-02		0.5	1.3
7-Nov-02		0.011	0.01	7-Nov-02		0.2	0.2
21-Nov-02		0.012		21-Nov-02		0.2	
13-Dec-02		0.019		13-Dec-02		1.1	
9-Jan-03		0.012	0.0091	9-Jan-03		0.5	0.3
23-Jan-03		0.014	0.016	23-Jan-03		0.5	0.3
12-Feb-03		0.018	0.012	12-Feb-03		0.5	0.6
6-Mar-03		0.014	0.01	6-Mar-03		1.9	1.6
24-Dec-04			0.013	24-Dec-04			1.1
13-Jan-05			0.015	13-Jan-05			2.1
20-Jan-05			0.018	20-Jan-05			1.3
27-Jan-05			0.025	27-Jan-05			1.9
4-Feb-05			0.012	4-Feb-05			1.3
23-Feb-05			0.012	23-Feb-05			0.2
4-Mar-05			0.015	4-Mar-05			0.5
10-Mar-05			0.013	10-Mar-05			1.3
16-Mar-05			0.0097	16-Mar-05			1.6
24-Mar-05			0.01	24-Mar-05			0.6
1-Apr-05			0.013	1-Apr-05			1.3
7-Apr-05			0.022	7-Apr-05			0.52
13-Apr-05			0.011	13-Apr-05			0.3
22-Apr-05			0.006	22-Apr-05			1.2
28-Apr-05			0.008	28-Apr-05			0.2
6-May-05			0.007	6-May-05			0.3

Turbidity

Date	E1	E2	Ocean
10-Jan-02	2.4	1.5	0.7
17-Jan-02	2.3	1.5	
24-Jan-02	3.1	1.3	0.9
31-Jan-02	3.2	2.6	0.9
7-Feb-02	1.9	3.2	1.1
14-Feb-02	900	491	5.3
11-Apr-02	3.7	6	
2-May-02	3.6	5.3	
23-May-02	6.1	3.9	0.1
3-Jun-02	3.7	1.3	0.5
6-Jun-02	6.9	8.7	
17-Jun-02	14	4.6	
20-Jun-02	11	5.6	
27-Jun-02	7.2	7.8	
11-Jul-02	3.3	1.8	1.6
18-Jul-02	3.4	1.6	
25-Jul-02	1.9	1.4	0.7
1-Aug-02	1.4	1.1	
8-Aug-02	1.2	1.1	0.8
19-Sep-02		2.8	1.3
7-Oct-02		6.4	1.5
17-Oct-02		2.8	4.1
7-Nov-02		2.2	1.8
21-Nov-02		3	
13-Dec-02		7.5	
9-Jan-03		2.6	1.3
23-Jan-03		3.6	1.2
12-Feb-03		4.1	2.9
6-Mar-03		5.5	3.4

D.O.

Date	E1	E2	Ocean
3-Jan-02	5.2	5.42	
17-Jan-02	4.86	4.93	
24-Jan-02	4.83	4.8	4.89
31-Jan-02	4.33	3.97	3.89
7-Feb-02	4.02	4.28	5.85
14-Feb-02	7.67	6.71	5.07
21-Feb-02	5.46	5.39	5.37
28-Feb-02	3.95	4.1	4.18
14-Mar-02	3.85	3.85	3.56
31-Mar-02	3.1	3.62	3.83
28-Mar-02	4.02	3.91	4.09
4-Apr-02	4.03	3.94	4.09
11-Apr-02	4.06	3.79	
18-Apr-02	3.29	3.9	3.94
2-May-02	3.62	4	
9-May-02	3.34	4.02	4.35
16-May-02	3.63	5.15	5.23
23-May-02	4.67	4.13	4.95
19-Sep-02		5.02	5.59
3-Oct-02		5.48	5.59
17-Oct-02		5.97	6.1
7-Nov-02		5.37	5.3
21-Nov-02		6.59	
12-Dec-02		5.3	
13-Dec-02			
9-Jan-03			
23-Jan-03			
12-Feb-03			
23-Dec-04			
12-Jan-05			
19-Jan-05			
27-Jan-05			
3-Feb-05			5.5
23-Feb-05			5.77
2-Mar-05			
9-Mar-05			5.42
15-Mar-05			5.49
23-Mar-05			3.56
31-Mar-05			5.25
6-Apr-05			5.61
12-Apr-05			5.55
21-Apr-05			5.71
27-Apr-05			5.57
5-May-05			5.52

Temperature

<i>Date</i>	<i>E1</i>	<i>E2</i>	<i>Ocean</i>
3-Jan-02	32.4	31	
17-Jan-02	30.1	30.8	
24-Jan-02	26.9	26.4	27.1
31-Jan-02	31.6	30.6	29.9
7-Feb-02	30.3	29.8	30.5
14-Feb-02	23.9	24.5	28
21-Feb-02	27.3	26.3	27.1
28-Feb-02	32.1	29.2	28.7
14-Mar-02	26.2	25.8	26.5
31-Mar-02	24.9	24.8	26.1
28-Mar-02	28.9	27.2	27.2
4-Apr-02	23.2	23.2	24.4
11-Apr-02	25.2	26.7	
18-Apr-02	28.7	26.6	25.3
2-May-02	23	24.2	
9-May-02	22.7	22.5	23.2
16-May-02	24.4	23.1	23.4
23-May-02	24.1	24.2	23.4
19-Jun-00		23.9	24.4
3-Oct-02		25.7	24.2
17-Oct-02		27.9	27.2
7-Nov-02		27	22.7
21-Nov-02		27.1	
12-Dec-02		32.1	
13-Dec-02			
9-Jan-03			
23-Jan-03			
12-Feb-03			
23-Dec-04			
12-Jan-05			27.9
19-Jan-05			30.2
27-Jan-05			28
3-Feb-05			30.3
23-Feb-05			30.1
2-Mar-05			28.5
9-Mar-05			28.9
15-Mar-05			27.5
23-Mar-05			29.6
31-Mar-05			28.6
6-Apr-05			27.6
12-Apr-05			27.9
21-Apr-05			27.7
27-Apr-05			26.3
5-May-05			26.1

Salinity

<i>Date</i>	<i>E1</i>	<i>E2</i>
3-Jan-02	38.5	38.5
17-Jan-02	38.3	38.4
24-Jan-02	38.1	39.4
31-Jan-02	39.1	39.3
7-Feb-02	38.3	39.4
14-Feb-02	0.407	7.31
21-Feb-02	23	35.1
28-Feb-02	35.7	37.4
14-Mar-02	38.1	39.6
21-Mar-02	39.4	38.9
28-Mar-02	37.3	38.6
4-Apr-02	35.9	36.8
11-Apr-02	38.8	39.1
18-Apr-02	39.5	38.2
2-May-02	40.2	37.8
9-May-02	39.1	39.5
16-May-02	39.7	39.3
23-May-02	39.9	38.7
19-Sep-02		38.2
3-Oct-02		37.2
17-Oct-02		38.9
7-Nov-02		37.7
21-Nov-02		37.1
12-Dec-02		40.3
13-Dec-02		
9-Jan-03		
23-Jan-03		
12-Feb-03		
23-Dec-04		
12-Jan-05		
19-Jan-05		
27-Jan-05		
3-Feb-05		
23-Feb-05		
2-Mar-05		
9-Mar-05		
15-Mar-05		
23-Mar-05		
31-Mar-05		
6-Apr-05		
12-Apr-05		
21-Apr-05		
27-Apr-05		
5-May-05		

<i>Ocean</i>	<i>pH</i> <i>Date</i>	<i>E1</i>	<i>E2</i>	<i>Ocean</i>
	3-Jan-02	8.22	8.35	
	17-Jan-02	8.16	8.22	
38.9	24-Jan-02	8.2	8.44	8.44
39	31-Jan-02	8.05	7.78	7.23
38	7-Feb-02	8.24	8.26	8.33
40.4	14-Feb-02	6.33	7.58	6.78
37.5	21-Feb-02	7.9	8.2	8.1
37.7	28-Feb-02	8.11	8.22	8.16
38.7	14-Mar-02	8.29	8.34	8.32
38.4	21-Mar-02	8.7	8.4	8.1
38.5	28-Mar-02	8.26	8.32	8.26
38.9	4-Apr-02	8.26	8.25	8.32
	11-Apr-02	8.07	8.13	
38.8	18-Apr-02	7.87	8.05	8.21
	2-May-02	8.02	8.18	
38.5	9-May-02	7.98	8.1	8.16
39.6	16-May-02	7.95	8.16	8.22
38.8	23-May-02	7.94	8.07	8.18
37.3	19-Sep-02		8.14	8.31
37.6	3-Oct-02		8.01	8.17
36.8	17-Oct-02		8.03	8.21
36.2	7-Nov-02		7.27	8.1
	21-Nov-02		7.97	
	12-Dec-02		7.91	
	13-Dec-02			
	9-Jan-03			
	23-Jan-03			
	12-Feb-03			
37.6	23-Dec-04			7.69
37.6	12-Jan-05			7.44
38.3	19-Jan-05			7.39
34.4	27-Jan-05			7.89
35.8	3-Feb-05			8.25
36.8	23-Feb-05			7.17
34.5	2-Mar-05			8.37
37.1	9-Mar-05			8.35
37.4	15-Mar-05			8.25
37.3	23-Mar-05			8.49
37.6	31-Mar-05			7.32
37.5	6-Apr-05			6.81
35.9	12-Apr-05			8.46
35.5	21-Apr-05			8.48
35.9	27-Apr-05			8.46
36.6	5-May-05			7.76