

APPENDIX

Notes

This appendix contains six tables of detailed results from the input-output analysis estimating the impact of Great Barrier Reef Marine Park uses on the Queensland economy for the year 1994–95. Tables 1, 3 and 5 show the impacts of Commercial Fishing, Recreational Fishing and Boating, and Commercial Tourism, respectively, on the value of gross output, while tables 2, 4 and 6 show the respective employment effects.

‘Sector’ column: This column lists the main sectors used to describe the Queensland economy, including the three ‘sub-sectors’ of the GBRMP, CFGBRMP (Commercial Fishing), CTGBRMP (Commercial Tourism), and RFGBRMP (Recreational Fishing).

‘Initial’ column: This column shows the initial impact of output or employment attributable to that sector.

‘Flow-on’ column: This column shows the multiplier effects of output or employment created in all other sectors of the economy generated by the initial impact on output or employment as shown in the ‘initial’ column.

‘Rank’ column: This shows the ranking of sectors in terms of the relative size of the flow-on effects.

‘%’ column: This shows the percentage contribution of each sector to the total flow-on effects.

‘Total’, ‘Rank’ and ‘%’ columns: These show the sums of the initial and flow-on effects, and the ranking and percentage contribution respectively of each sector in terms of its combined initial and flow-on effects.

Appendix Table 1. Output effects commercial fishing GBRMP

Queensland 1995 (\$t)							
Sector	Initial	Flow-on	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	620.95	15	0.8	620.95	16	0.3
O'Agric	0	929.36	13	1.3	929.36	14	0.5
For/Fsh	0	232.55	19	0.3	232.55	20	0.1
Coal/Pe	0	352.76	18	0.5	352.76	19	0.2
O'Minin	0	59.43	21	0.1	59.43	22	0.0
Food M	0	6092.48	4	8.3	6092.48	5	3.1
Wood M	0	2266.37	9	3.1	2266.37	10	1.2
Mach/Ap	0	1947.25	11	2.7	1947.25	12	1.0
Metals	0	900.91	14	1.2	900.91	15	0.5
Non Met	0	474	16	0.6	474	17	0.2
O'Manuf	0	3282.29	6	4.5	3282.29	7	1.7
Elec/Ga	0	3006.22	8	4.1	3006.22	9	1.6
Build/c	0	385.4	17	0.5	385.4	18	0.2
Trade	0	21440.16	1	29.3	21440.16	2	11.1
Tpt/Com	0	6458.89	3	8.8	6458.89	4	3.3
Finance	0	12293.81	2	16.8	12293.81	3	6.3
Pbl.Adm	0	2177.4	10	3.0	2177.4	11	1.1
Com Ser	0	5247.6	5	7.2	5247.6	6	2.7
Recreat	0	3070.14	7	4.2	3070.14	8	1.6
CFGBRMP	120629	0	22	0.0	120629	1	62.2
CTGBRMP	0	1889.8	12	2.6	1889.8	13	1.0
RFGBRMP	0	153.2	20	0.2	153.2	21	0.1
TOTAL	120629	73280.99		100.0	193910		100.0
Multiplier	1.000	0.607			1.607		

Appendix Table 2. Employment effects commercial fishing GBRMP

Queensland 1995 (u)							
Sector	Initial	Flow-on	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	5.3	14	0.5	5.3	15	0.2
O'Agric	0	14.75	12	1.3	14.75	13	0.5
For/Fsh	0	1.75	18	0.2	1.75	19	0.1
Coal/Pe	0	0.94	19	0.1	0.94	20	0.0
O'Minin	0	0.31	20	0.0	0.31	21	0.0
Food M	0	22.64	8	2.0	22.64	9	0.8
Wood M	0	17.46	9	1.5	17.46	10	0.6
Mach/Ap	0	17.21	11	1.5	17.21	12	0.6
Metals	0	3.78	16	0.3	3.78	17	0.1
Non Met	0	2.26	17	0.2	2.26	18	0.1
O'Manuf	0	17.44	10	1.5	17.44	11	0.6
Elec/Ga	0	9.56	13	0.8	9.56	14	0.4
Build/c	0	4.96	15	0.4	4.96	16	0.2
Trade	0	551.5	1	47.8	551.5	2	20.3
Tpt/Com	0	69.56	4	6.0	69.56	5	2.6
Finance	0	147.71	2	12.8	147.71	3	5.4
Pbl.Adm	0	35.9	6	3.1	35.9	7	1.3
Com Ser	0	135.16	3	11.7	135.16	4	5.0
Recreat	0	62.56	5	5.4	62.56	6	2.3
CFGBRMP	1568	0.0	21	0.0	1568	1	57.6
CTGBRMP	0	32.13	7	2.8	32.13	8	1.2
RFGBRMP	0	0.0	22	0.0	0.0	22	0.0
TOTAL	1568	1152.88		100.0	2720.88		100
Multiplier	1.000	0.735			1.735		

Appendix Table 3. Output effects recreational fishing and boating GBRMP

Queensland 1995 (\$t)							
Sector	Initial	Flow-On	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	858.10	17	0.6	858.10	18	0.3
O'Agric	0	1591.84	15	1.2	1591.84	16	0.6
For/Fsh	0	1036.21	16	0.8	1036.21	17	0.4
Coal/Pe	0	343.75	20	0.3	343.75	21	0.1
O'Minin	0	118.24	21	0.1	118.24	22	0.0
Food M	0	8418.01	8	6.2	8418.01	9	3.3
Wood M	0	2459.05	12	1.8	2459.05	13	1.0
Mach/Ap	0	10338.98	6	7.7	10338.98	7	4.1
Metals	0	1797.33	13	1.3	1797.33	14	0.7
Non Met	0	672.38	19	0.5	672.38	20	0.3
O'Manuf	0	8390.17	9	6.2	8390.17	10	3.3
Elec/Ga	0	2626.31	11	1.9	2626.31	12	1.0
Build/c	0	730.44	18	0.5	730.44	19	0.3
Trade	0	29313.86	1	21.8	29313.86	2	11.5
Tpt/Com	0	8876.71	7	6.6	8876.71	8	3.5
Finance	0	19030.25	2	14.1	19030.25	3	7.5
Pbl.Adm	0	1635.61	14	1.2	1635.61	15	0.6
Com Ser	0	3540.40	10	2.6	3540.40	11	1.4
Recreat	0	11193.63	3	8.3	11193.63	4	4.4
CFGBRMP	0	10630.06	5	7.9	10630.06	6	4.2
CTGBRMP	0	11145.97	4	8.3	11145.97	5	4.4
RFGBRMP	120190	0	22	0.0	120190.00	1	47.1
TOTAL	120190	134747.30		100.0	254937.30		100.0
Multiplier	1.000	1.121			2.121		

Appendix Table 4. Employment effects recreational fishing and boating GBRMP

Queensland 1995 (u)							
Sector	Initial	Flow-On	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	7.33	18	0.4	7.33	18	0.4
O'Agric	0	25.26	12	1.3	25.26	12	1.3
For/Fsh	0	7.82	16	0.4	7.82	16	0.4
Coal/Pe	0	0.91	20	0.0	0.91	20	0.0
O'Minin	0	0.62	21	0.0	0.62	21	0.0
Food M	0	31.28	10	1.6	31.28	10	1.6
Wood M	0	18.95	13	0.9	18.95	13	0.9
Mach/Ap	0	91.39	7	4.5	91.39	7	4.5
Metals	0	7.55	17	0.4	7.55	17	0.4
Non Met	0	3.20	19	0.2	3.20	19	0.2
O'Manuf	0	44.57	9	2.2	44.57	9	2.2
Elec/Ga	0	8.35	15	0.4	8.35	15	0.4
Build/c	0	9.40	14	0.5	9.40	14	0.5
Trade	0	754.03	1	37.5	754.03	1	37.5
Tpt/Com	0	95.60	6	4.8	95.60	6	4.8
Finance	0	228.65	2	11.4	228.65	2	11.4
Pbl.Adm	0	26.97	11	1.3	26.97	11	1.3
Com Ser	0	91.19	8	4.5	91.19	8	4.5
Recreat	0	228.08	3	11.4	228.08	3	11.4
CFGBRMP	0	138.18	5	6.9	138.18	5	6.9
CTGBRMP	0	189.49	4	9.4	189.49	4	9.4
RFGBRMP	0	0	22	0.0	0	22	0.0
TOTAL	0	2008.82		100.0	2008.82		100.0

Appendix Table 5. Output effects commercial tourism GBRMP

Queensland 1995 (\$t)							
Sector	Initial	Flow-on	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	4697.34	14	1.2	4697.34	15	0.6
O'Agric	0	20758.26	6	5.1	20758.26	7	2.5
For/Fsh	0	1268.53	19	0.3	1268.53	20	0.2
Coal/Pe	0	2257.54	18	0.6	2257.54	19	0.3
O'Minin	0	992.98	20	0.2	992.98	21	0.1
Food M	0	46033.53	3	11.3	46033.53	4	5.5
Wood M	0	13700.34	10	3.4	13700.34	11	1.6
Mach/Ap	0	4099.38	15	1.0	4099.38	16	0.5
Metals	0	4069.67	16	1.0	4069.67	17	0.5
Non Met	0	3425.09	17	0.8	3425.09	18	0.4
O'Manuf	0	12525.72	11	3.1	12525.72	12	1.5
Elec/Ga	0	18968.3	8	4.7	18968.3	9	2.2
Build/c	0	7172.94	13	1.8	7172.94	14	0.8
Trade	0	57435.63	2	14.1	57435.63	3	6.8
Tpt/Com	0	32724.19	4	8.0	32724.19	5	3.9
Finance	0	105911.05	1	26	105911.05	2	12.5
Pbl.Adm	0	7767.1	12	1.9	7767.1	13	0.9
Com Ser	0	26698.5	5	6.5	26698.5	6	3.2
Recreat	0	15924.25	9	3.9	15924.25	10	1.9
CFGBRMP	0	20703.18	7	5.1	20703.18	8	2.5
CTGBRMP	436514	0.00	22	0.0	436514	1	51.7
RFGBRMP	0	777.03	21	0.2	777.03	22	0.1
TOTAL	436514	407910.56		100.0	844424.56		100.0
Multiplier	1.000	0.934			1.934		

Appendix Table 6. Employment effects commercial tourism GBRMP

Queensland 1995 (u)							
Sector	Initial	Flow-on	(Rank)	(%)	Total	(Rank)	(%)
Animal	0	40.11	14	0.7	40.11	15	0.3
O'Agric	0	329.45	5	6.0	329.45	6	2.6
For/Fsh	0	9.57	18	0.2	9.57	19	0.1
Coal/Pe	0	6	19	0.1	6	20	0.0
O'Minin	0	5.19	20	0.1	5.19	21	0.0
Food M	0	171.07	8	3.1	171.07	9	1.3
Wood M	0	105.57	10	1.9	105.57	11	0.8
Mach/Ap	0	36.24	15	0.7	36.24	16	0.3
Metals	0	17.1	16	0.3	17.1	17	0.1
Non Met	0	16.31	17	0.3	16.31	18	0.1
O'Manuf	0	66.54	12	1.2	66.54	13	0.5
Elec/Ga	0	60.3	13	1.1	60.3	14	0.5
Build/c	0	92.35	11	1.7	92.35	12	0.7
Trade	0	1477.39	1	27	1477.39	2	11.5
Tpt/Com	0	352.42	4	6.4	352.42	5	2.7
Finance	0	1272.55	2	23.3	1272.55	3	9.9
Pbl.Adm	0	128.05	9	2.3	128.05	10	1.0
Com Ser	0	687.67	3	12.6	687.67	4	5.3
Recreat	0	324.47	6	5.9	324.47	7	2.5
CFGBRMP	0	269.11	7	4.9	269.11	8	2.1
CTGBRMP	7421	0	21	0.0	7421	1	57.6
RFGBRMP	0	0	22	0.0	0.0	22	0.0
TOTAL	7421	5467.46		100.0	12888.46		100.0
Multiplier	1.000	0.737			1.737		

