

9. ENVIRONMENTAL MANAGEMENT PROGRAMME

9.01 General strategy of management plan

The general strategy of the plan is to spread most of the recommended actions of Sections 7 and 8 over a five year period. All actions with a timing assessment of A (see 6.07) are scheduled to be carried out in the first year of the programme. Actions with a timing assessment of B are scheduled for years 2 and 3, and C for years 4 and 5. Summaries of all actions with priorities, approximate costs and possibilities for cost recovery are given in Tables 10, 11 and 12 below. The action numbers are the same as in Sections 7 and 8, and Figures 11 and 12 where further details of each may be found.

The sources of the cost estimates were outlined in 6.07. As indicated in that section, the estimates are not intended to be rigorous and accurate but give the approximate amounts that could be allocated for each action. If there is no cost recovery at all and every recommended action is adopted, the full programme would probably cost BMCC about \$100,000 in the first year and about \$60,000 in each of the following four years (excluding the costs of Actions 52 and 56 which, if adopted, might be regarded as special items to be paid for over a longer period). Nevertheless, there are good prospects for cost recovery or cost sharing of some of the more expensive items. For example, a large proportion of the estimated \$90,000 for weed removal and bush regeneration could be met by one of the government grants provided for this type of work as suggested in 7.04. The estimated total cost of about \$55,000 for Actions 3, 4, 33, 35 and 41, should be shared by the Water Board and/or other organisations with relevant responsibilities (see Tables 10 to 12 below).

Continuing maintenance costs after the 5th year should not exceed \$25,000 per year, excluding the present continuing costs associated with tourist activities and facilities in Katoomba Park.



PLATE 17 Katoomba Falls Creek and part of Katoomba Park; the picnic grounds and other tourist amenities in this vicinity involve continuing costs.

TABLE 10

RECOMMENDED ACTIONS IN YEAR 1 OF PROGRAMME

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
1	Rezone part of public land to REC-EP as in Figs 11 & 12	2	c	
2a	Place posts around swamps	2	\$700	
4	Start water quality monitoring programme	2 *	\$1,000	Water Board would have interest & should assist
6	Attend to collapsed embankment and drain	1	c	Should be part of required S.E.S. erosion control
7	Remove horses from public land	1	c	
8	Revegetate soil on sewer line	1	-	Water Board should do this
10a	Plan & start programme of weed removal & bush regeneration	1 *	\$30,000	Reduces maintenance cost in later years; apply for grants as listed in 7.04
10b	Adopt policy to survey for rare & endangered species before further clearing of bushland	1	-	
13 & 14	Note Aboriginal heritage sites on BMCC records & maps	1	c	
15	Plant shrubs to protect this Aboriginal heritage site	2	\$200	
16	Barrier to prevent vehicles disturbing Aboriginal site	2	\$300	
19	Nominate North's Siding for BMCC Heritage Register	1	c	
24	Prevent unauthorised entry of vehicles to public land	1	\$10,000	Long-term savings on rubbish removal etc.
25	Remove disused pipes, poles & wires from public land	1	\$500	
26	Engage a landscape architect for advice on visual aspects	2	\$2,000	
27	Allocate responsibility for Public land to one person	2 *	\$2,500	Long-term savings through prompt attention to needs
33	Measures to provide for a wider range of uses for Catalina Circuit	1 *	\$10,000	Possible funding assistance from NSW Dept of Sport, Recreation & Racing
35a	Track from Lake Esplanade to Katoomba Park	1	\$25,000	Water Board may assist with this (see 5.04 & 7.03)

TABLE 10 RECOMMENDED ACTIONS IN YEAR 1 (continued)

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
37	Investigate options for expanding caravan park	1	c	Eventual increase in caravan park revenue
47	Monitor noise from motor sports on Catalina Circuit	1	\$2,000	
48	Investigate hazards and BMCC liability	1	\$1,000	Could reduce risk of expensive lawsuits
49	Eliminate dangerous sloping edges of Lake Catalina	2	\$2,000	Reduces risk of lawsuit
53	Amend existing L.E.Ps for entire catchment	2	c	Section 94 contributions could possibly be raised
54	Prepare new Development Control Plans	2	c	

a Further details of the actions are given in Sections 7 and 8; the locations of the actions are shown in Figures 11 and 12.

b 1 = relatively high priority, 2 = moderate priority, 3 = relatively low priority (see 6.07).

c Cost not estimated; in many cases these actions are largely administrative work by BMCC and include or replace work that would have been necessary without the management plan.

* Continuing action; additional costs incurred in other years.

TABLE 11 RECOMMENDED ACTIONS IN YEARS 2 & 3 OF PROGRAMME

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
2b	Inspect swamps after heavy rainfall & remove litter etc	2 *	\$500	
3	Excavate (200 m ³) to form wet retention basins	3	\$6,000	Water Board may assist with this (see 5.04)
4	Water quality monitoring programme	2 *	\$2,000	Water Board may assist
9	Stabilise eroded areas	1	\$25,000	
10a	Continue programme of weed removal & bush regeneration	1 *	\$30,000	See Table 10
11	Place barriers to prevent car parking in this area	2	\$600	

TABLE 11 RECOMMENDED ACTIONS IN YEARS 2 & 3 (continued)

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
12	Close old BMX road	2	\$800	
17	Place plaque in recognition of former Aboriginal occupation	2	\$500	
20a	Nominate route of cable tram for BMCC Heritage Register	2	c	
21	Restore kiosk	2	c	
27	Continuing responsibility of one person for public land	2 *	\$5,000	See Table 10
28	Entrance gate to car park	2	\$750	
29	Remove tyres & other rubbish	2	c	"Clean Up Australia" campaign may help
30	Demolish & remove derelict buildings	2	\$2,500	May not be necessary because of Action 26b
31	Restore Madge Walford Fountain & establish plaque	2	\$1,000	Quota or Rotary may help
33	Modify Catalina Circuit	1 *	\$5,000	See Table 10
34a	Construct graded path for disabled and elderly	1	\$20,000	
34b	Close & revegetate Lake Espl.	1	\$500	
36	Establish information boards and signposts	2	\$1,000	
38	Place barriers & construct a better car park for Circuit	2	\$4,000	
39	Clear old vehicular track	2	\$750	
40	Level & revegetate this area & restore electricity	2	\$3000	
41a	Erect fence around oval	2	\$6,000	
41b	Construct shelter shed for oval users & picnickers	3	\$10,000	Dept of Land Management & Conservation may assist
44	Close Lomond Street	3	c	
45	Update facilities in Katoomba Park	2	c	Dept of Land Management & Conservation may assist

TABLE 11 RECOMMENDED ACTIONS IN YEARS 2 & 3 (continued)

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
46	Mark car spaces on tarmac near Madge Walford Fountain	3	\$350	
50	Form 527 Committee	2	c	
51a	Consolidate public land	3	c	
51b	Rationalize naming of parks	3	c	
55	Note this large eroded area	1	c	
57	Note dam on private property	2	c	
59	Investigate feasibility of track to Nellies Glen	3	c	Should be done by local bushwalkers

a Further details of the actions are given in sections 7 and 8; the locations of the actions are shown in Figures 11 and 12.

b 1 = relatively high priority, 2 = moderate priority, 3 = relatively low priority (see 6.07).

c Cost not estimated; in many cases these actions are largely administrative work by BMCC and include or replace work that would have been necessary without the management plan.

* Continuing action; additional costs incurred in other years.

TABLE 12 RECOMMENDED ACTIONS IN YEARS 4 & 5 OF PROGRAMME

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
2c	Inspect swamps & remove sediment etc.	2 *	\$800	
4	Continue water quality monitoring programme	2 *	\$2,000	Water Board may assist
5	Convert part of Lake Catalina to Macrophyte Pond with bird breeding island	3	\$16,000	
10a	Continue programme of weed removal & bush regeneration	1 *	\$30,000	See Table 10
18	Engage archaeologist to investigate post-contact Aboriginal sites	2	\$5,000	
20b	Acquire this property	3	\$50,000	

TABLE 12 RECOMMENDED ACTIONS IN YEARS 4 & 5 (continued)

No.	ACTION (see note a)	PRIORITY (see note b)	APPROX COST	POSSIBLE COST RECOVERY
22	Engage historian to examine and document this area	2	\$5,000	
23	Consider nomination of Catalina Circuit for BMCC Heritage Register	3	c	
27	Continuing responsibility of one person for public land	2 *	\$5,000	See Table 10
32	Consider engaging part-time resident manager/ranger	2 *	\$20,000	Would eliminate need and cost for Action 27
35b	Extend and improve walking track from site of Action 42a to Lake Esplanade	2	\$1,000	
42a	Construct steps or other access to walking track near here	2	\$15,000	
42b	Close section of Walgett St.	3	c	
43	Construct boardwalk across swamp if site suitable	3	\$10,000	
52	Consider establishment of an Ecotourists' Centre or Mountains Environment Centre	-	-	Finance partly through corporate sponsorship following the example of Pittwater Council
56	Acquire this property	2	\$180,000	Rent from house
58	Investigate 3 possible sites for BMCC Heritage Register	3	c	
60	Extend track to Nellies Glen	3	c	

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