



Northern
Territory
Government

DEPARTMENT OF
NATURAL RESOURCES, ENVIRONMENT AND THE ARTS

Appendixes

Katherine River Flood Study

Report No. 02/2000D

February 2000

G Appendix **ADOPTED RATING CURVES, KATHERINE RIVER STREAM GAUGES**

**Table G.1 Adopted Rating Curve at G8140001 -
Katherine River at Railway Bridge**

Stage (m GH)	Discharge (m ³ /s)
0.00	0
1.00	38
2.00	90
3.00	139
4.00	193
5.00	258
6.00	316
7.00	400
8.00	500
9.40	600
10.15	700
11.82	950
12.88	1,130
13.47	1,250
14.83	1,645
16.00	2,040
17.28	2,600
18.30	3,380
19.18	4,470
19.46	4,990
19.55	5,460
19.73	6,465
19.93	7,380
20.12	8,300
20.30	9,200
20.60	10,000
21.00	12,500
22.00	18,700
23.00	25,500

**Table G.2 Adopted Rating Curve at G8140019 -
Katherine River at Katherine Gorge**

Stage (m GH)	Discharge (m ³ /s)
0.40	0
0.50	0.3
1.00	7
1.50	25
2.00	58
2.50	108
3.00	175
3.50	247
4.00	317
4.50	390
5.00	476
5.50	608
6.00	759
6.50	931
7.00	1,119
7.50	1,335
8.00	1,567
8.50	1,822
9.00	2,107
9.50	2,405
10.00	2,729
10.52	3,000
12.19	4,000
13.72	5,000
15.09	6,000
16.39	7,000
18.78	9,000

Table G.3 Adopted Rating Curve at G8140023 - Katherine River at Gorge Caravan Park

Stage (m GH)	Discharge (m ³ /s)
0.00	0
0.85	60
1.26	80
1.56	100
2.25	200
2.75	320
3.15	480
3.60	700
4.80	1,300
6.00	1,980
6.68	2,500
7.18	3,000
8.20	4,000
9.30	5,000
10.90	6,000
12.00	7,000
14.00	8,000

Table G.4 Adopted Rating Curve at G8140158 - McAdden Creek

Stage (m GH)	Discharge (m ³ /s)
0.00	0
1.00	4.5
1.50	13.1
2.00	27.1
2.50	41.9
3.00	66.4
3.50	117
4.00	187
4.50	279
5.00	390
5.50	514
6.00	656
6.50	807
7.00	989

**Table G.5 Adopted Rating Curve at G8140159 -
Seventeen Mile Creek at Waterfall View**

Stage (m GH)	Discharge (m ³ /s)
0.00	0
0.50	0.1
1.00	4.9
1.50	19.1
2.00	47
2.50	88
3.00	143
3.50	233
4.00	350
4.50	500
5.00	682
5.50	896
6.00	1,134
6.50	1,396
7.00	1,698
7.50	2,028
8.00	2,383

**Figure G.6 Adopted Rating Curve at G8140218 -
Katherine River at Mt Ebsworth**

Stage (m GH)	Discharge (m ³ /s)
1.00	0.1
1.30	1.2
1.50	2.5
1.70	4.6
1.80	6.2
2.00	10.1
3.00	54
4.00	133
5.00	235
6.00	375
7.00	569
8.00	853
9.00	1,255
10.00	1,749
11.00	2,324
12.00	2,974

**Table G.7 Adopted Rating Curve at G8140219 -
Katherine River at DS Birdie Creek**

Stage (m GH)	Discharge (m ³ /s)
0.50	0
1.00	8
1.60	40
2.20	113
2.80	216
3.40	353
4.00	515
4.60	679
5.20	913
5.70	1,201
6.30	1,519
6.85	1,712
7.30	2,107
8.00	2,553
8.75	3,169
9.35	3,796