TABLE 1 – FLOOD CLASSIFICATIONS

The Bureau of Meteorology issues flood warnings for the Georges Creek, Bellbrook and Kempsey Traffic Bridge gauges. Flood classification levels are as follows :

	MINOR	MODERATE	MAJOR
Georges Creek	6.0m	8.0m	10.0m
Bellbrook	6.5m	10.5m	13.5m
Kempsey (Traffic Bridge)	4.5m AHD	5.7m AHD	6.6m AHD

TABLE 2 – BRIDGE DECK LEVELS

Approximate levels of Bridge Decks on nearest Stream Gauge

MACLEAY RIVER

LOCATION	STREAM GAUGE READING
Bellbrook Bridge	2.8m on Bellbrook gauge
Toorooka Bridge	3.5m on Toorooka gauge
Temagog Bridge	3.6m on Toorooka gauge
Turners Flat Bridge	3.0m on Turners Flat gauge
Sherwood Bridge	3.6m on Turners Flat gauge

OTHER STREAMS

LOCATION	STREAM GAUGE READING
Nulla Creek Bridge on Armidale Road	9.5m to 10.5m Bellbrook gauge
Nulla Nulla Creek Road	2.5m to 3m Kogal-Nulla Creek gauge
Toorumbee Creek Bridge Moparrabah	2.5m to 3m Moparrabah – Majors Creek gauge
Wittitrin Causeway on Dungay Creek Road	0.3 to 0.6m Wittitrin – Dungay Creek gauge

TABLE 3 – UPPER MACLEAY STREAM LEVELS

Peak Flood Levels at Gauge Sites in previous Flood Events
(Metres on local gauge datum)

LOCATION	AUGUST 1949	MAY 1963	MAY 1980	MARCH 2001
Wollomombi – Chandler River	4.0	2.0	-	1.9
Georges Creek – Macleay River	17.0	13.8	6.7	12.1
Bellbrook – Macleay River	17.2	15.5	7.2	12.8
Toorooka – Macleay River	15.0	13.5	-	12.5
Turners Flat – Macleay River	18.3	13.8	-	12.1
Kempsey Traffic Bridge	8.4m AHD	7.6m AHD	6.2m AHD	7.4m AHD
Kogal – Nulla Creek	9.0	7.5	-	7.1
Moparrabah – Majors Creek	9.0	7.5	6.1	7.0
Wittitrin – Dungay Creek	6.0	5.0	3.5	4.4

TABLE 4 – APPROXIMATE TRAVEL TIMES FOR PEAK FLOW

Down Macleay River from Georges Creek and intermediate stations

LOCATION	TRAVEL TIME (HOURS)					
	GEORGES CREEK	BELLBROOK	TOOROOKA	TEMAGOG	TURNERS FLAT	SHERWOOD
Georges Creek	00					
Bellbrook	4-8	00				
Toorooka	6-12	2-4	00			
Temagog	8-14	4-6	2	00		
Turners Flat	10-16	6-8	4	2	00	
Sherwood	12-20	7-12	5-8	3-6	2-4	00
Kempsey	15-23	9-15	7-11	5-9	4-7	2-3

Note: Time periods given are a guide only and may vary according to the size of flood, seasonal conditions, and location of rainfall. Shorter time periods are for floods which are mainly produced by rainfall in catchments downstream of Georges Creek and/or Bellbrook.

TABLE 5 – UPPER MACLEAY RAINFALL RECORDS

Peak Rainfall Intensities of Gauge Sites in Previous Flood Events (mm for 48hr Period)

LOCATION	AUGUST 1949	MAY 1963	MAY 1980	MARCH 2001
Guyra	140	120	-	50
Blue Nobby	240	180	-	94
Walcha	150	120	42	25
Tia	180	165	136	127
Wollomombi	225	200	-	100
Ovens Mountain	280	245	-	-
Point Lookout	225	470	-	400
Bellbrook	350	360	298	248

Note: Some figures estimated or interpolated from historical data and are intended as a guide only.

TABLE 6 – MID AND LOWER MACLEAY RAINFALL RECORDS

Peak Rainfall Intensities at Gauge Sites in Previous Flood Events (mm for 48hr Period)

LOCATION	AUGUST 1949	MAY 1963	MAY 1980	MARCH 2001
Millbank	380	340	-	259
Wittitrin	400	270	260	-
Turners Flat	450	290	-	172
Mt Boonanghi	430	290	-	177
Moparrabah	-	-	251	-
Seven Oaks	405	325	-	160
Seale Road	440	290	-	93
Collombatti	415	315	-	185
Kempsey	490	325	228	152

Note: Some figures estimated or interpolated from historical data and are intended as a guide only.