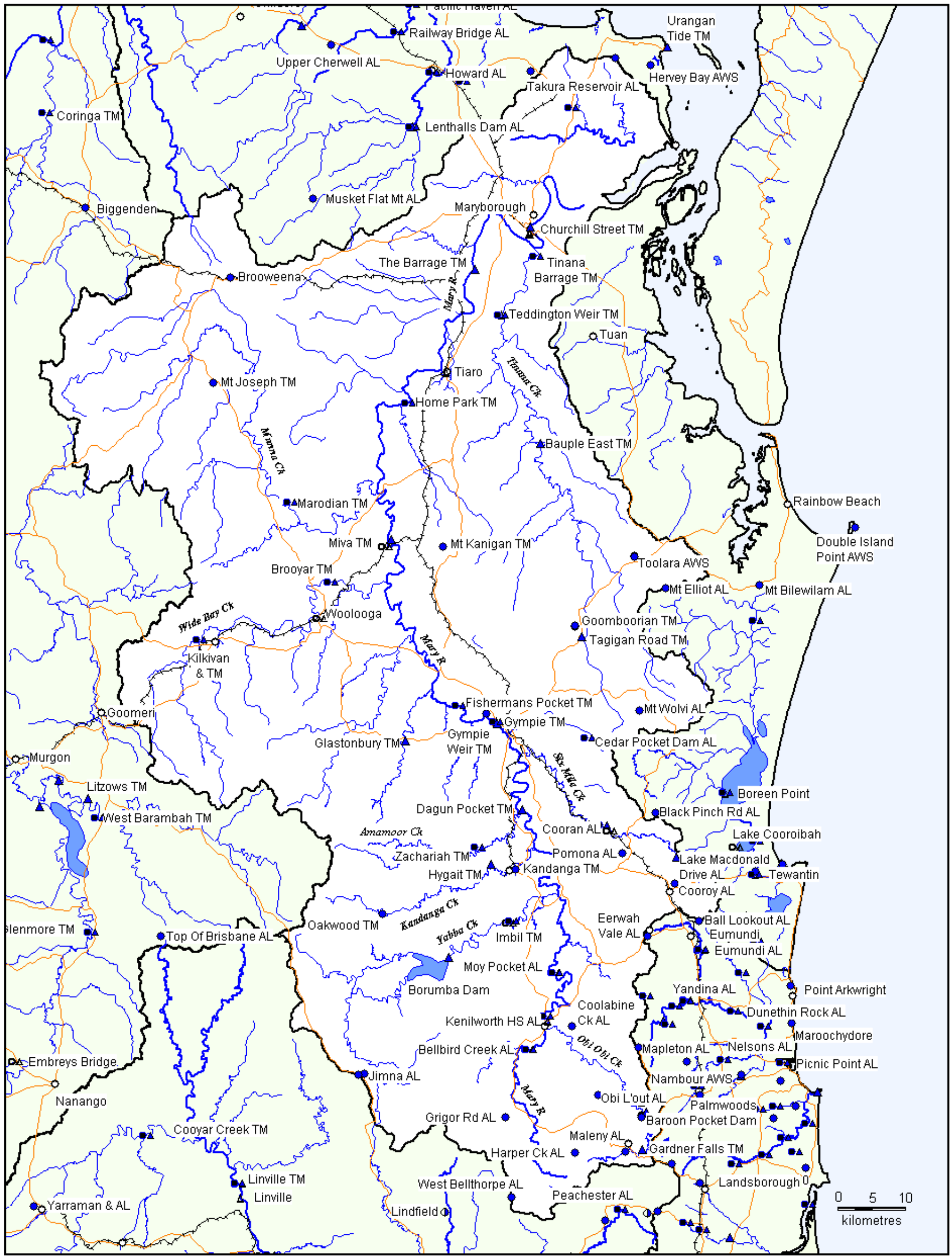
Mary Catchment Stream Height Information – See map following page

Stream height gauge	Description	Distance from mouth of stream (km)	Catchment area (km^2)	Minor flood alert (m)	Crop Impact (m)	Moderate flood alert (m)	Town impact (m)	Major flood alert (m)	Bridge height (m)
GARDNERS FALLS	Obi Obi Creek, near the Gardners Falls picnic grounds downstream of Maleny	41.5	26						
BAROON DAM	Dam wall at Baroon Pocket, water depth over spillway	26.9	72						
BELLBIRD CREEK	Mary River, just downstream of the Little Yabba picnic area	269.9	486	5		6		7	
KENILWORTH BRIDGE	Mary River Bridge, Eumundi Kenilworth Rd	263.2	725	3	3	5	10	8	11.2
KENILWORTH H/S ALERT	Mary River, downstream of bridge.	262.4	725	4		7		10	
MOY POCKET	Mary River, off old Moy Pocket Rd	244.1	830	7		12		14	
BORUMBA DAM	Yabba Creek, depth of water over dam spillway	31.1	498	2		3		4	
IMBIL	Yabba Creek, Imbil weir pool (town bridge)	11.6	595	5	5	6.5	8.5	8	6.1
HYGAIT	Kandanga Creek, upstream of Doyles bridge on Kandanga Ck Rd	15.1	176	5		6.5		8	
ZACHARIAH	Amamoor Creek, near Happy Valley Rd /Amamoor Ck Rd intersection	16.6	138	6		8		10	
DAGUN POCKET	Mary River, 1.6 km downstream of Traveston Crossing	204.7	2110	7		13		15	
LAKE MACDONALD DRIVE	Six Mile Creek Bridge, Lake Macdonald drive, downstream of dam	55	49	4		5		5.5	4.95
COORAN	Six Mile Creek, near Victor Giles Bridge	32.4	175	6.5		8.5		11	7.2
CEDAR POCKET DAM	Deep Creek, depth over dam spillway	25.2	19						
GYMPIE	Mary River(Kidd Bridge 9.9m, Normanby bridge 15.85m, Bells Bridge 13.1m)	178.2	2920	6	6	12	12.1	17	9.9
FISHERMANS POCKET	Mary River, about 2 km downstream of Widgee Crossing	170.4	3120	7		13		18	
GLASTONBURY	Glastonbury Creek, near Gympie-Woolooga Rd, Glastonbury	12.7	113						
KILKIVAN	Wide Bay Creek, Thomas Rd Kilkivan	54	310	4.5		5.5		7.5	
WOOLOOGA	Wide Bay Creek, Smiths Rd bridge	25.6	650	7	10	8	9	9	2.4
BROOYAR	Wide Bay Creek, Bauple-Woolooga Rd between Woolooga and Sexton	12.9	685	7.5		8.5		9.5	
MIVA	Mary River, Dickabram bridge, Miva	126	4830	7.5	7.5	9.5		15.5	22
MARODIAN	Munna Creek, between Running Creek and Sandy Creek, Marodian	32.7	1205	8		8		12	
HOME PARK	Mary River, about 11km upstream of Tiaro	91	6940	7		9		13	
TIARO	Mary River at Mungar Rd bridge, Tiaro	79.7	7010	6	16.6	8	19	12	6.6
THE BARRAGE	Mary River about 23km upstream of Maryborough, height above sea level at the barrage crest.	59.5	7345	7		8		9	
TAGIGAN ROAD	Tinana Creek, at Tagigan Rd Goomboorian	107	104	6		7		7.5	
BAUPLE EAST	Tinana Creek, near Missings Bridge	50.1	810	9		11		12	3
TEDDINGTON WEIR HW	Tinana Creek, height above sea level at the weir crest	15.9	1190	10		10.5		11	
TINANA BARRAGE	Tinana Creek mouth, height above sea level at the barrage crest	1.7	1310	5		8		9	
MARYBOROUGH	Mary River near Lamington Bridge, Maryborough	36.8	8940	5	5	8	7.6	9	5.5

DISCLAIMER: *This information was compiled from a number of sources, some of which contain slightly conflicting information. While the MRCCC has endeavoured to choose the most appropriate and accurate information, no legal liability can be accepted for the consequences of using this information. Unless otherwise stated, river heights in this table are all relative to the individual 'gauge zero' level for each gauge (as reported online)*

Australian Government
Bureau of Meteorology



◑ Manual Heavy Rainfall Station ○ Daily Reporting Rainfall Station △ Manual River Station ● Telemetry Rainfall Station ▲ Telemetry River Station	**MARY RIVER** **FLOOD WARNING NETWORK**	Major Roads Railway *Revised: Nov 2009*

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Additional Notes

On-line stream gauges and flood warning system in the Mary River Catchment.

There are a number of stream water level and rainfall gauging stations distributed through the Mary River Catchment which can be directly accessed by the general public via the internet. Some of these are maintained by the Commonwealth Bureau of Meteorology (BOM), some by the State Department of Environment and Resource Management (DERM) and some by water service providers (Seqwater, Sunwater, Wide Bay Water and regional councils).
BOM offers a direct link to the rain and river gauges in South East Qld at:
http://www.bom.gov.au/hydro/flood/qld/seast.shtml

DERM provides a link to more detailed information on the local stream gauges at:
http://derm.qld.gov.au/water/monitoring/current_data/map_details.php?group=baffle

Information from these gauges is either reported manually or (in most cases) automatically transmitted via a radio or telephone link. The letters "AL" next to the name of a gauge on the BOM website means that the gauge automatically reports by radio whenever the water level or rainfall gauge reading changes significantly and the letters "TM" next to the name of a gauge means that it is polled by telephone by computer at regular intervals. The gauging stations report the height of the water surface above an arbitrary 'gauge zero' level in the stream. In most cases this zero mark is at a known height at or above mean sea level, although in tidal areas (eg. Maryborough) the zero mark may be below mean sea level.

It is important to note that data reported 'live' online has not been checked or processed by hydrologists. Due to unavoidable incidents during flood events such as the stream near the gauge being affected by flood debris (for example), the data may be faulty at times, or the gauge may malfunction or be unavailable due to electrical or communication problems.

To interpret the data coming from these gauges, it is important to have a local feel for where the gauges are in relation to the lay of the land and the way the stream network is connected. The map on the other side of this sheet shows the locations of all the online gauges in the Mary catchment. The table opposite gives a little bit more local information about the stream gauges, and heights of bridges and crop and town impacts near those gauges where applicable. Even where gauges are not close to bridge crossings and critical pieces of infrastructure, in many cases it is possible for locals to develop rough rules of thumb to relate information at nearby gauges to practical actions, (like moving pumps or choosing alternative transport routes).

Many people are tempted to look for simple rules about how long it takes a flood peak to move downstream from one place in the catchment to another. The BOM website can present gauge information as a hydrograph, or a plot of water level against time, where you can clearly see flood peaks at each location. Although it is often possible to watch a well defined peak on the hydrographs pass down the catchment from one station to the next, (eg Moy Pocket, Dagun Pocket, Gympie) it is important to remember that what is causing the peak you see in one place may be different to what is causing the peak you see in the graph for another place. So, simplistic rules that say it takes 'x' hours for a flood peak to move from point A to point B must be considered with care and additional local knowledge. For example, the timing of a particular flood peak at Dagun Pocket may be largely influenced by rainfall events over Yabba and Kandanga creeks, and the timing of what is seemingly 'the same' flood peak at Gympie may largely influenced by different rainfall events over Six Mile and Deep Cree s.

Many local residents and businesses have developed effective flood prediction methods for planning their response to flood events based on experience and careful observation of past flooding behaviour. It should be possible to combine this experience with the additional information that is available through the online flood network in the Mary to refine these local systems even further.