

Bureau of Meteorology Website

www.bom.gov.au

The Bureau of Meteorology (BoM) website provides a range of information including rainfall and river heights which are essential information for people living in flood affected areas.

The BoM radar is a great way to observe the rainfall associated with major weather events such as severe thunderstorms, east coast lows and tropical cyclones.

The following information provides a guide to reading the BoM radar to find rainfall and river height readings for the local Tweed area.

Approximate Rainfall Rates

The BoM radar images are taken from a beam that slices through the atmosphere at approximately 3000m above the ground. This information is represented in a Rain Rate scale as seen below. The scale can be used as a general guide but they are not always accurate.



The BoM identify levels of rainfall intensity shown on the images - each colour provides an approximate indication of the rainfall rate.

The radar image isn't showing rain on the ground but it is highly indicative of what rain would fall.

On some occasions you may see very light rain (white colour on Rain Rate scale) which shows up on the radar at 3000m however it may evaporate as it falls to ground level. At other times light rain may fall from low level clouds below the radar beam and so the rain will not be seen on the radar images.

Moderate to heavy rainfall falling from thunderstorms or other deep cloud is generally well represented on the radar images.

Radar Locations

Radar Images

Select location to see its image (or use Radar sites tables: [NSW/ACT](#) | [VIC](#) | [QLD](#) | [WA](#) | [SA](#) | [TAS](#) | [NT](#))



Reference: Bureau of Meteorology, www.bom.gov.au

How to Use the QLD BoM Site for Rainfall, Temperature and Wind Direction

Tweed Shire residents should access both the NSW BoM and the QLD BoM sites for the most accurate and relevant information. The QLD BoM site has the closest radar (Brisbane, Mt Staplyton radar icon) to these areas so please use the following instructions to access this site.

Step 1

Go to www.bom.gov.au (Save as a favourite)

Step 2

City	Now
Sydney	17.7°
Melbourne	13.4°
Brisbane	22.3°
Perth	16.5°
Adelaide	16.9°
Hobart	12.2°
Canberra	15.0°

Click on the
QLD icon

Step 3

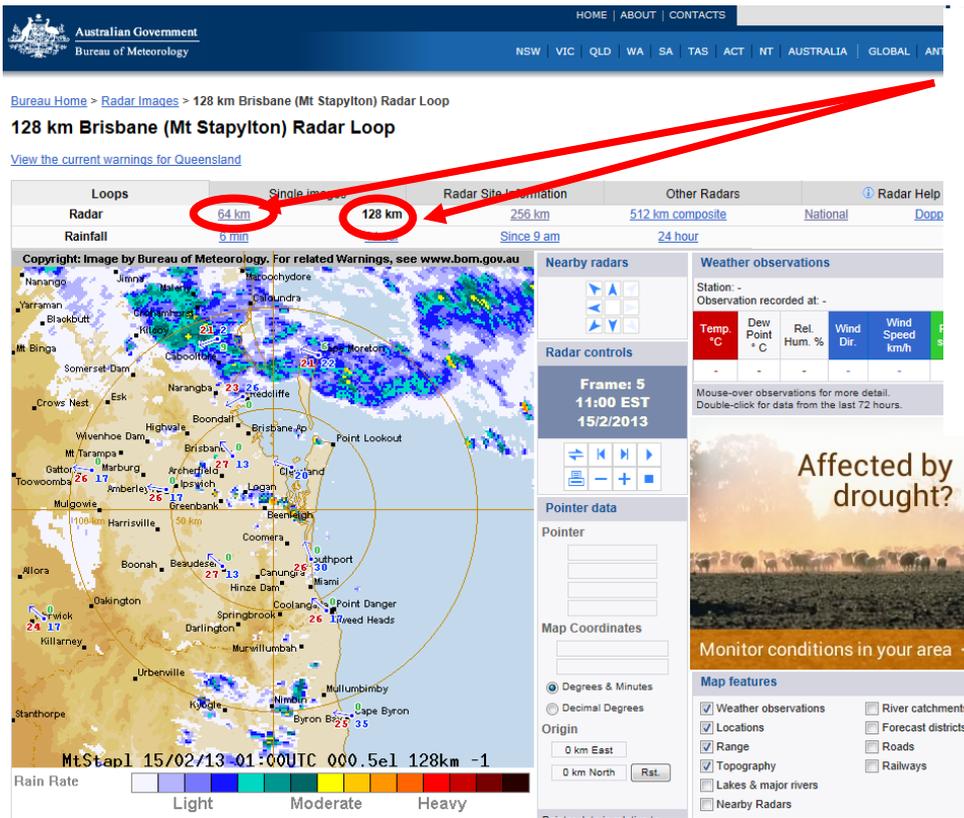
The closest local radar to your town is the Brisbane, Mt Staplyton radar icon

Click on Brisbane
Mt Staplyton
Radar Icon and
save as a
"Favourite"

Reference: Bureau of Meteorology, www.bom.gov.au

Step 4

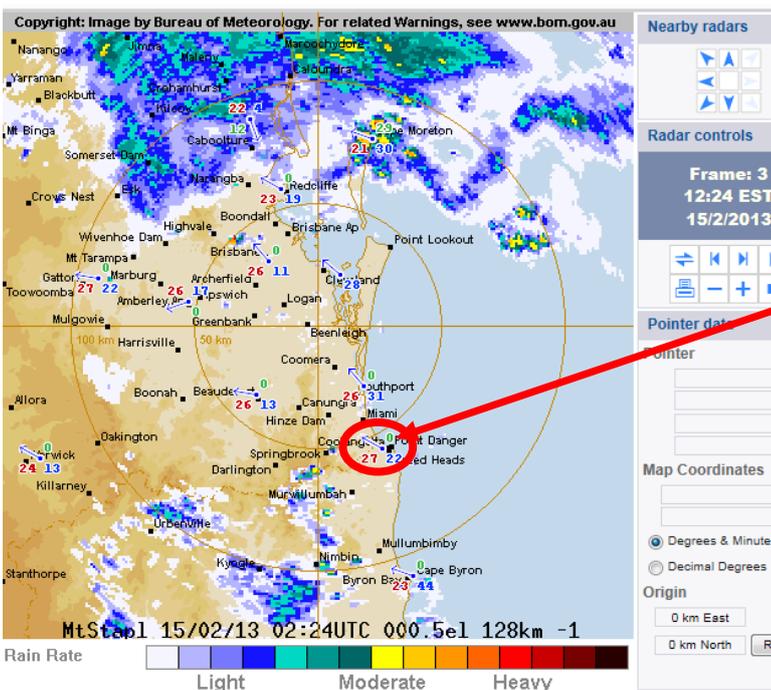
The radar enables you to look at weather from a 64km up to a 512km radius in your area.



For a close look at a storm front in your area, click on the 64km or 128km radar option

Step 5

For rainfall, temperature and wind direction place your pointer over the closest arrow on the map to your location and double click.



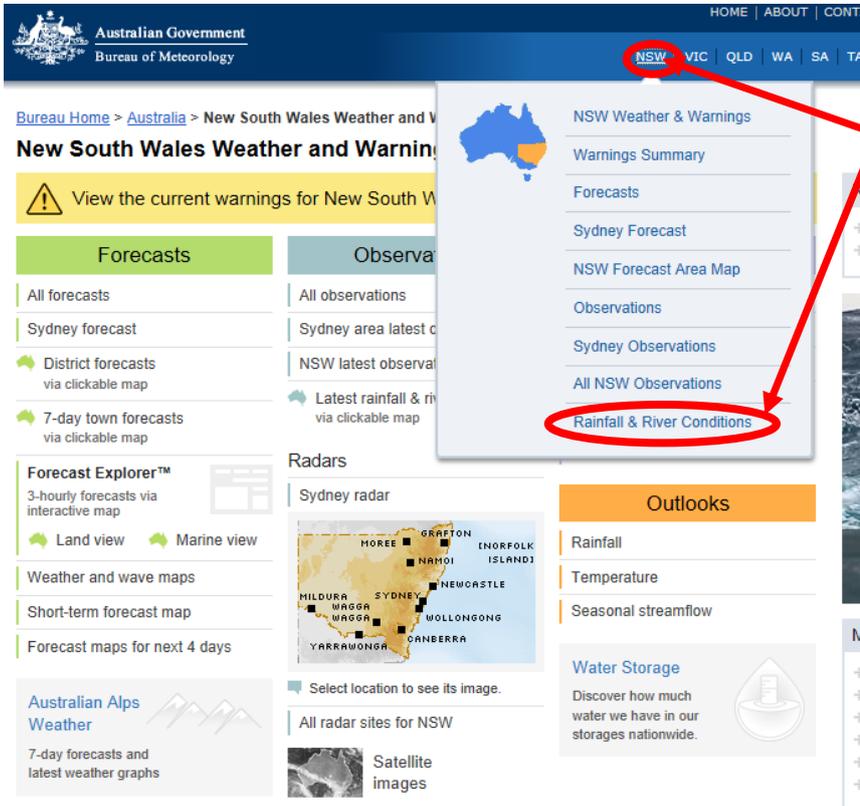
Click on the closest arrow to your town

Reference: Bureau of Meteorology, www.bom.gov.au

How to Use the NSW BOM Site for River Heights and Rainfall

Step 1

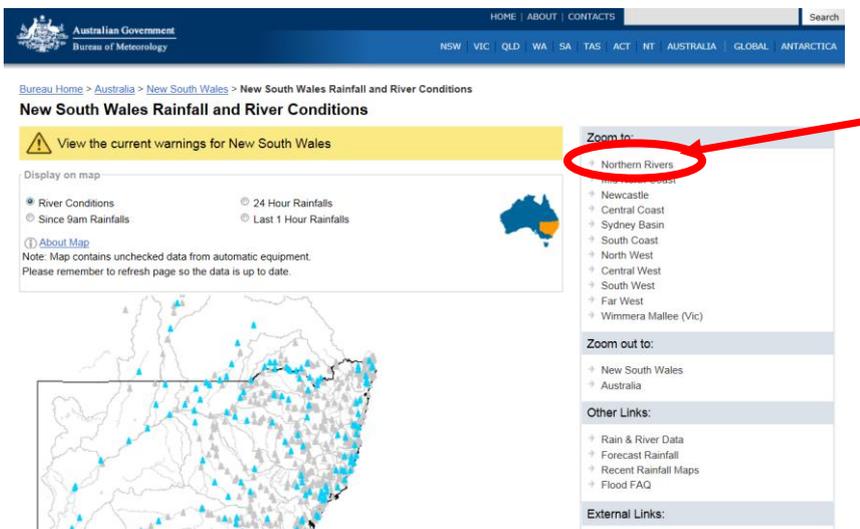
In severe weather events it is important to monitor River Heights. The BOM site provides River Height Gauge levels. For the Tweed River heights, click on the NSW Icon.



The screenshot shows the Australian Government Bureau of Meteorology website. The navigation menu at the top includes NSW, VIC, QLD, WA, SA, and TAS. The NSW Weather & Warnings menu is open, and 'Rainfall & River Conditions' is highlighted with a red circle. A red arrow points from the text on the right to this option.

Click on NSW and then scroll down to Rainfall and River Conditions. Click on this option.

Step 2



The screenshot shows the New South Wales Rainfall and River Conditions page. The 'Zoom In:' section has 'Northern Rivers' highlighted with a red circle. A red arrow points from the text on the right to this option.

Click on the Northern Rivers icon and save as a "Favourite".

Step 3

Australian Government
Bureau of Meteorology

NSW VIC QLD WA SA TAS ACT NT AUSTRALIA GLOBAL ANT

Bureau Home > Australia > New South Wales > Rainfall & River Conditions > North Coast Rainfall and River Conditions

North Coast Rainfall and River Conditions

View the current warnings for New South Wales

Display on map

River Conditions
 24 Hour Rainfalls
 Since 9am Rainfalls
 Last 1 Hour Rainfalls

[About Map](#)
 Note: Map contains unchecked data from automatic equipment.
 Please remember to refresh page so the data is up to date.

Move mouse over station for more data.

River Conditions at 02:01PM 15/02/13

- Major Flooding
- Moderate Flooding
- Minor Flooding
- Below Flood Level
- No Classification

[Latest Observations](#)
 River Heights
 24 Hour Rainfalls
 3 Hour Rainfalls
 1 Hour Rainfalls
 Grafton Radar Loop

Zoom to:

- Northern Rivers
- Mid North Coast
- Newcastle
- Central Coast
- Sydney Basin
- South Coast
- North West
- Central West
- South West
- Far West
- Wimmera Mallee (Vic)

Zoom out to:

- New South Wales
- Australia

Other Links:

- Rain & River Data
- Forecast Rainfall
- Recent Rainfall Maps
- Flood FAQ

External Links:

Go to the Latest observation box (right hand, top of column) and select. This will provide river heights over a designated period.

Step 4 – RIVER HEIGHTS

If you choose River Heights it can be viewed as a plot or a table.

Australian Government
Bureau of Meteorology

NSW VIC QLD WA SA TAS ACT NT

IDN60140

Latest River Heights for the NSW Northern Rivers

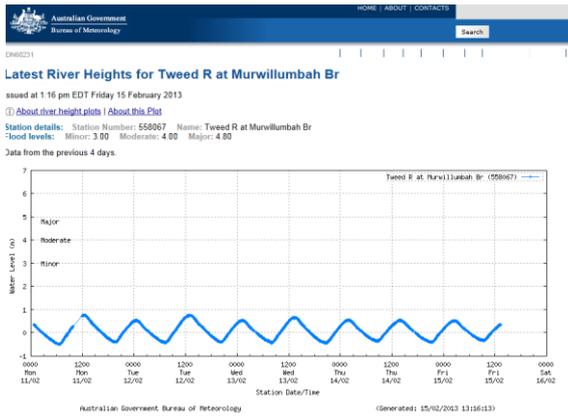
Issued at 1.15pm on Friday, 15 February 2013

[About river heights](#) | [About this table](#) | [Flood Warning Centre](#) | [Rain and River Data](#)

[Tweed River](#) | [Cudgen Creek](#) | [Brunswick River](#) | [Wilson's River](#) | [Richmond River to Coraki](#) | [Lower Richmond River](#) | [Clarence River to Banyulqil](#) | [Mann and Nymboida Rivers](#) | [Lower Clarence River](#) | [Woolli River](#)

Station Name	Time/Day	Height	Tendency	Flood Class	Recent Data
Tweed River					
Tyalgum Bridge	1.13pm Fri	0.85	falling		Plot Table
Clarrie Hall Dam	11.41am Fri	61.57	steady		Plot Table
Clarrie Hall Dam D/S	1.01pm Fri	0.55	steady		Plot Table
Tweed R at Palmers Road	12.40pm Fri	0.66	steady		Plot Table
Tweed R at Uki	12.12pm Fri	1.34	steady		Plot Table
Oxley R at Eungella	12.22pm Fri	0.64	steady		Plot Table
Tweed R at Bray Park Weir	12.29pm Fri	2.08	steady		Plot Table
Tweed R at Murwillumbah Br	1.14pm Fri	0.37	rising	below minor	Plot Table
Tweed R at Murwillumbah	1.11pm Fri	0.34	rising	below minor	Plot Table
Rous R at Chillingham	1.06pm Fri	0.98	steady		Plot Table
Rous R at Boat Harbour	1.13pm Fri	0.36	rising		Plot Table
Tweed R at Tumbulgum	1.11pm Fri	0.41	steady		Plot Table
Tweed R at Barneys Point (mAHD)**	1.07pm Fri	0.43	steady	below minor	Plot Table
Tweed R at Dry Dock	1.08pm Fri	0.38	steady		Plot Table
Cudgen Creek					
Cudgen Ck at Kingsoliff	3.00am Fri	0.06	falling		Plot Table
Cudgen Lake at Bogangar	2.45am Fri	0.66	steady		Plot Table
Brunswick River					

Plot



Table

Station Date/Time	Water Level (m)
11/02/2013 00:46	0.36
11/02/2013 00:47	0.34
11/02/2013 00:50	0.32
11/02/2013 00:51	0.34

Step 5 – RAINFALL

To get rainfall readings repeat Step 3 and select one of the rainfall options.

North Coast Rainfall and River Conditions

View the current warnings for New South Wales

Display on map

River Conditions Since 9am Rainfalls 24 Hour Rainfalls Last 1 Hour Rainfalls

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Move mouse over station for more data.

River Conditions at 02:01PM 15/02/13

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