

# Draft Richmond Valley Flood Study

## Online Map Viewer

### Basic How To User Guide

Council's online Map View has been set up with flood mapping from the Draft Richmond Valley Flood Study. The viewer contains mapping for a range of flood frequencies-

- 5% Average Recurrence Probability (AEP) – (regularly referred to as a 1 in 20 year flood event)
- 2%AEP – (regularly referred to as a 1 in 50 year flood event)
- 1%AEP – (regularly referred to as a 1 in 100 year flood event)
- 1%AEP plus climate change – (regularly referred to as a 1 in 100 year flood event including climate change)[this is the primary flood event used for flood planning controls]
- 0.2%AEP – (regularly referred to as a 1 in 500 year flood event)
- Probable Maximum Flood (PMF) – (the worst case flood scenario)

Each of these flood frequencies has a depth map and a velocity map, with the 1%AEP+Climate Change and the PMF including a flood hazard map.

### Opening the Map Viewer

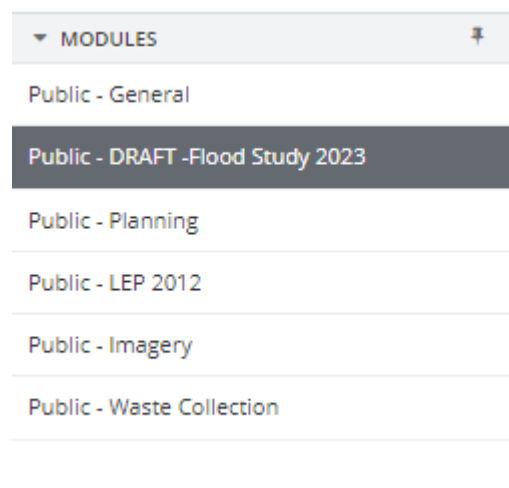
Click the link to access the Mapping page - <https://richmondvalley.nsw.gov.au/building-and-planning-services/planning-instruments-and-guidelines/>

**VIEW ONLINE MAPS**


Online Maps can be opened by clicking the button.

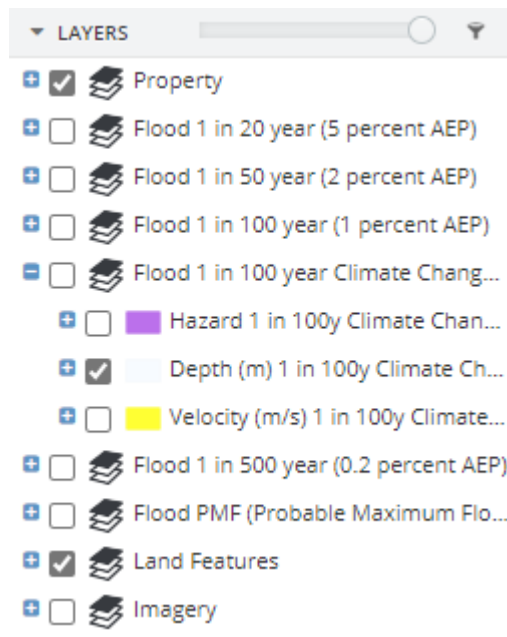
### Opening Flood Module

Click Module – “Public – DRAFT -Flood Study 2023” to view online flood mapping.

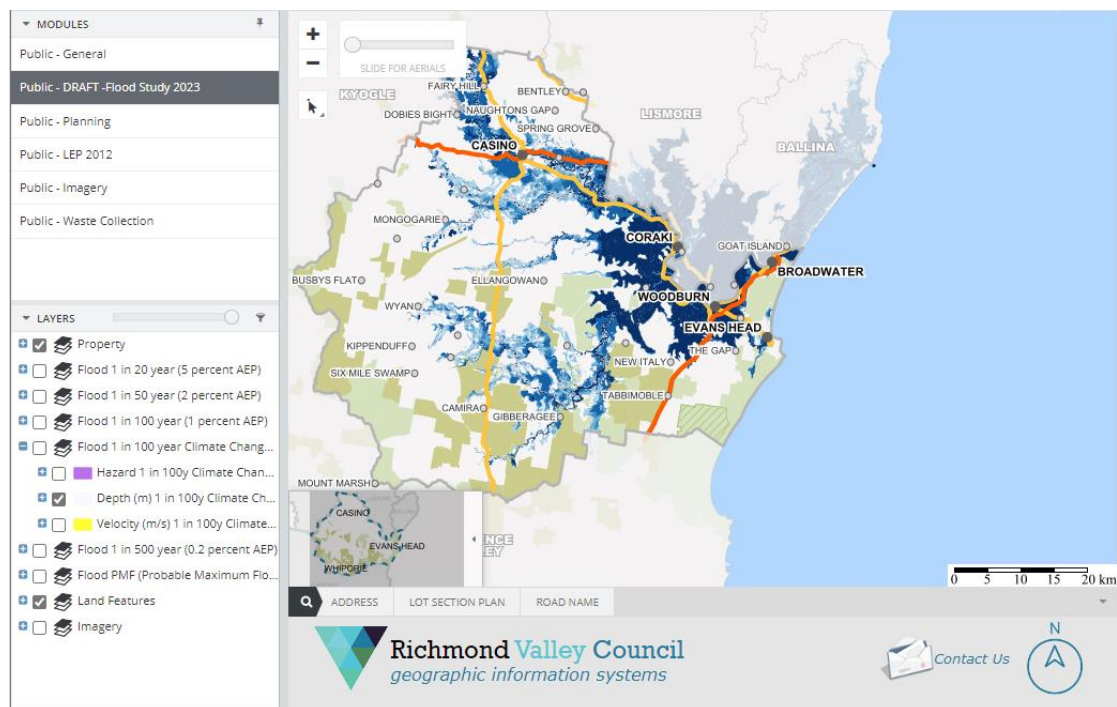


## Flood Layers

To view a flood frequency layer – click the  button to expand the selection to show options to display Flood Depth, Flood Velocity, and (for the 1%AEP+CC and PMF) Flood Hazard Categories.



Tick (click) the layer to display.

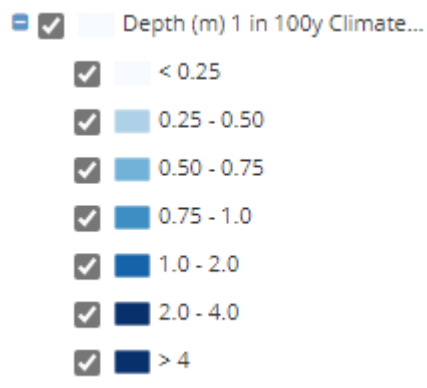


NOTE: Mapping can get confusing if multiple layers are visible at the same time. Un-tick a layer before opening another flood layer or flood frequency.

## Map Legends

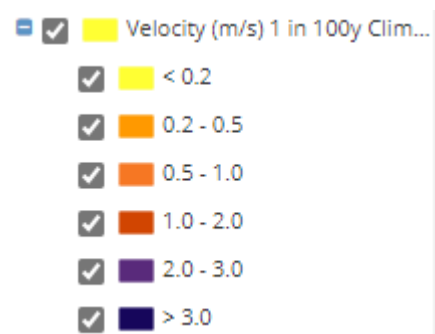
### Flood Depth

Flood depth mapping is displayed using the following legend (colours and stepped flood depth increments). Depths are shown in metres.



### Velocity Depth

Flood velocity mapping is displayed using the following legend (colours and stepped flood velocity increments). Velocity is shown in metres per second.

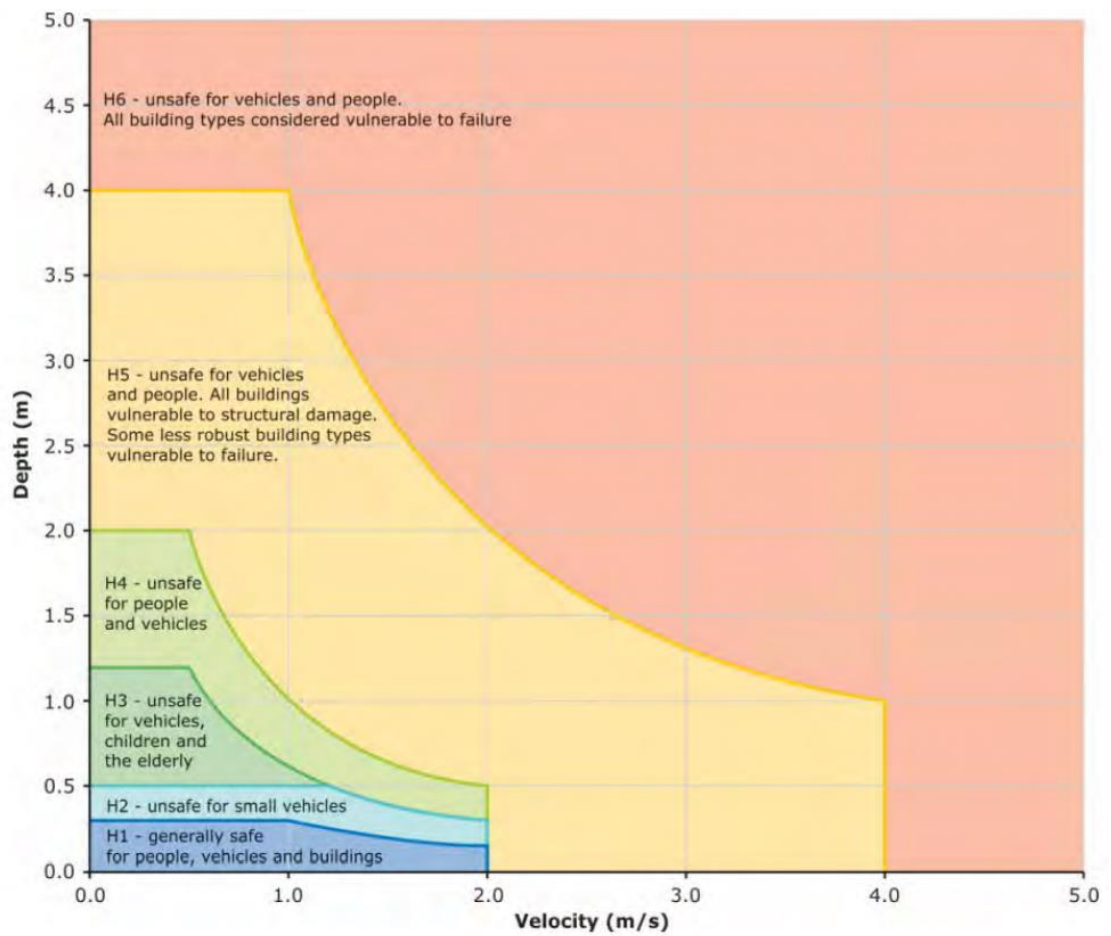


### Flood Hazard

Flood Hazard mapping has been provided for the 1%AEP+Climate Change and PMF flood frequencies. Hazard mapping is displayed using the following legend (colours and flood hazard categories).



Flood hazard is categorised into H1 to H6 and is based upon combining flood depth and flood velocity from the following diagram.



*General Flood Hazard Vulnerability Curves (source: Australian Institute Disaster Resilience (AIDR), 2017, Guideline 7-3 Flood Hazard)*

## Basic Map View Functions

Additional user functions can be found on the Mapping home page-

<https://richmondvalley.nsw.gov.au/wp-content/uploads/2022/05/IntraMaps-Public-Help-Guide-May-2022.pdf>

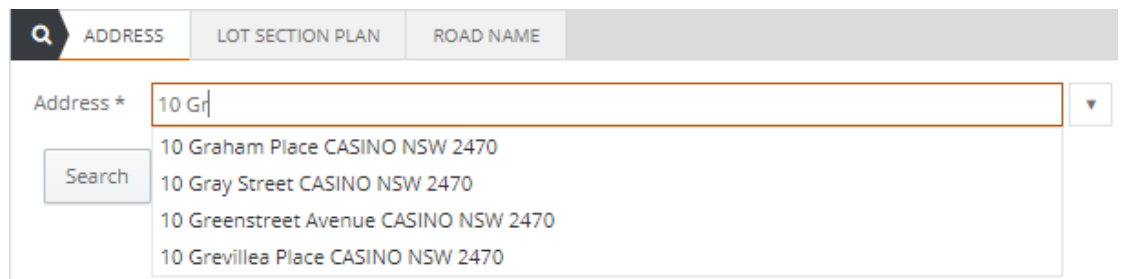
The following are basic functions to enable a user to search and scroll around the Map Viewer.

### Search Functions

The Map Viewer has 3 search function-

- ADDRESS

Click the ADDRESS button and type in the address. When the address appears in the list click that address and then the Search button to zoom to that property.



- LOT SECTION PLAN –

Click the LOT SECTION PLAN button and type in the known lot, section and Deposited Plan numbers (these are printed on Rate Notices) and then the Search button to zoom to that property.

- ROAD NAME –

Click ROAD NAME and type in the street or road name. When the street or road name appears in the list click that road name and then the Search button to zoom to the centre point along that street or road.



### Zoom

Scroll the mouse forward or back to zoom the map at the location of your cursor.



Alternatively, click the  button to zoom in or out from the centre of screen.

### Pan

To move around the map (or pan) click and hold the mouse button and move the mouse in the direction you want to move (pan) the map.