

Preparing for a Flood in the Hawkesbury-Nepean Valley

Focus: Consider the following steps in preparing for a flood in the valley:

- Locate your suburb and house using an ESRI map.
- Assess the likelihood of flooding that may affect your suburb and house (low, medium, high).
- Identify a flood evacuation route and calculate how long you would have before this evacuation route becomes flooded.
- Create a household plan of who to tell, how to communicate and what you should bring with you.
- Develop a home emergency kit of what you need to have available in the event of a flood incident.

<https://www.ses.nsw.gov.au/hawkesbury-nepean-floods/>

Use the following Geographical tools to assist you:

- **Maps** (choropleth, synoptic charts), Spatial technologies (satellite images)
- **Graphs and Statistics** (multiple tables and graphs presented on a geographical theme)
- **Visual representations** (annotated diagrams, photographs, aerial photographs)

Outline strategies that could help reduce or mitigate the impact of a flood incident in the table below. These sources may help:

- <https://www.chiefscientist.qld.gov.au/publications/understanding-floods>
- <https://floodata.ses.nsw.gov.au/>
- http://www.infrastructure.nsw.gov.au/media/2162/ec_insw_hawkesbury-nepean_fss-document_web.pdf
- <https://www.infrastructure.nsw.gov.au/media/1722/mamaging-the-flood-risk.pdf>
- <https://www.infrastructure.nsw.gov.au/media/1963/assessing-the-options-feb-2019.pdf>

Strategy/Technology	Evidence of impact in historic or predicted flood incidents	How could this reduce or mitigate flooding in the Hawkesbury-Nepean Valley?	How could this strategy be implemented and communicated?

Examine how a flood can impact on individuals and communities.

- Write a 1–2 page report that covers the human, social, economic and environmental impacts.

Create a short video, google slide show or representation using a range of geographical data to communicate how to respond to a flood event in the Hawkesbury-Nepean Valley.

- Consider your audience eg the local community or school and
- Find compelling and factual evidence that supports your recommendations and information.