# 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://flooddata.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>

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| 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? |
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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.