

Rochester Flood Management Plan Review and Update

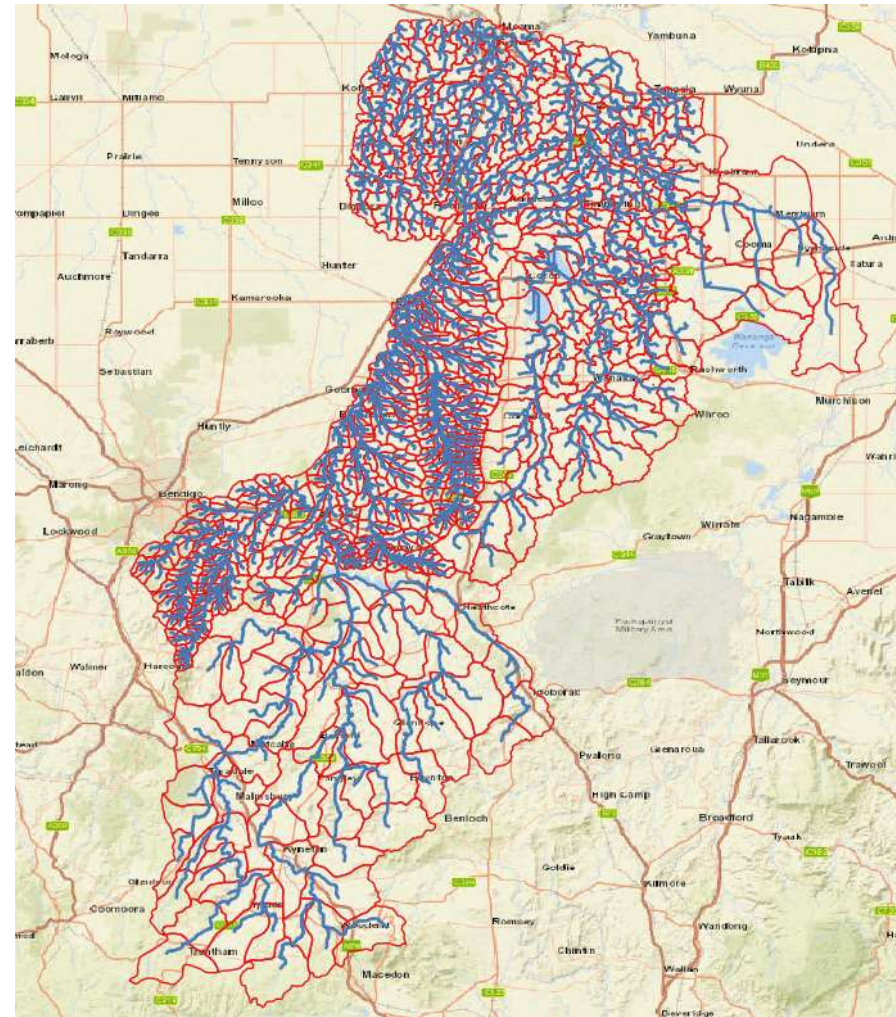


Update

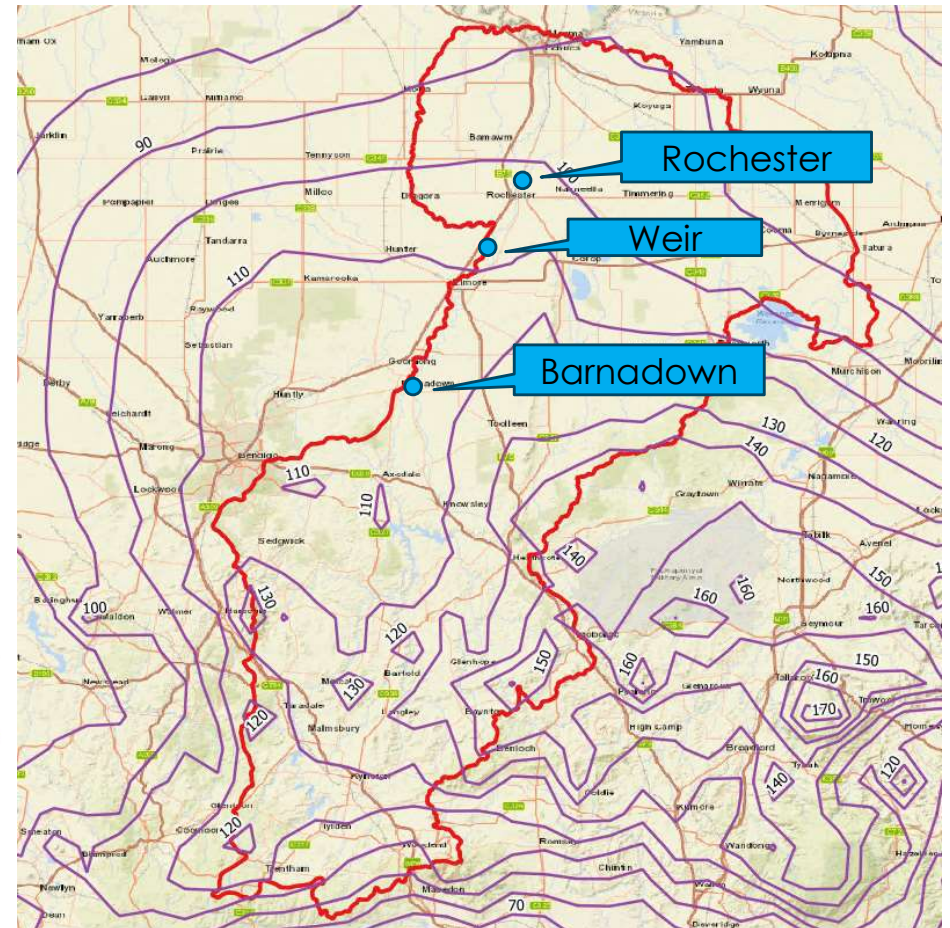
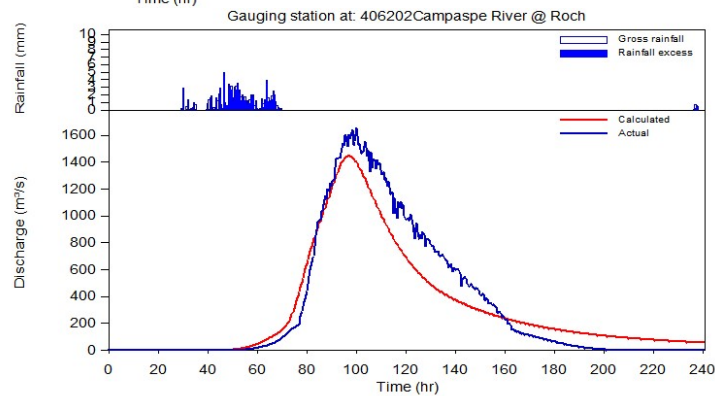
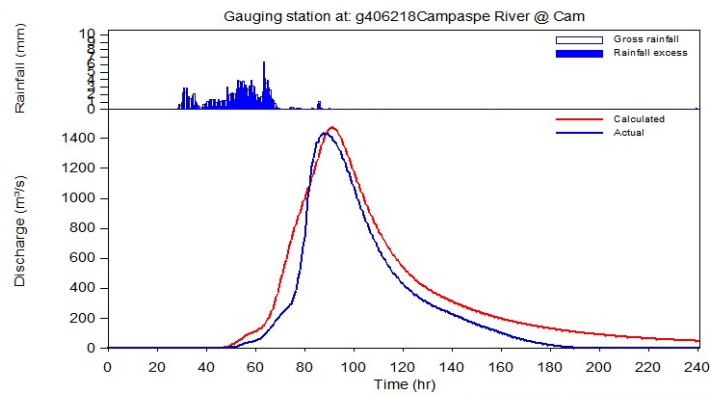
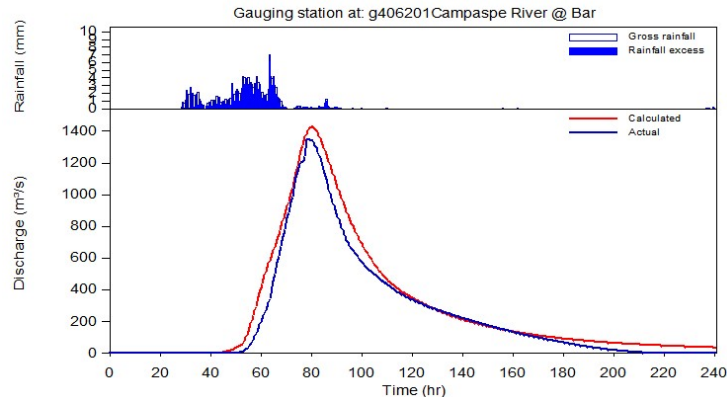
- Hydrology
- Hydraulic model calibration
- Next steps

Hydrology

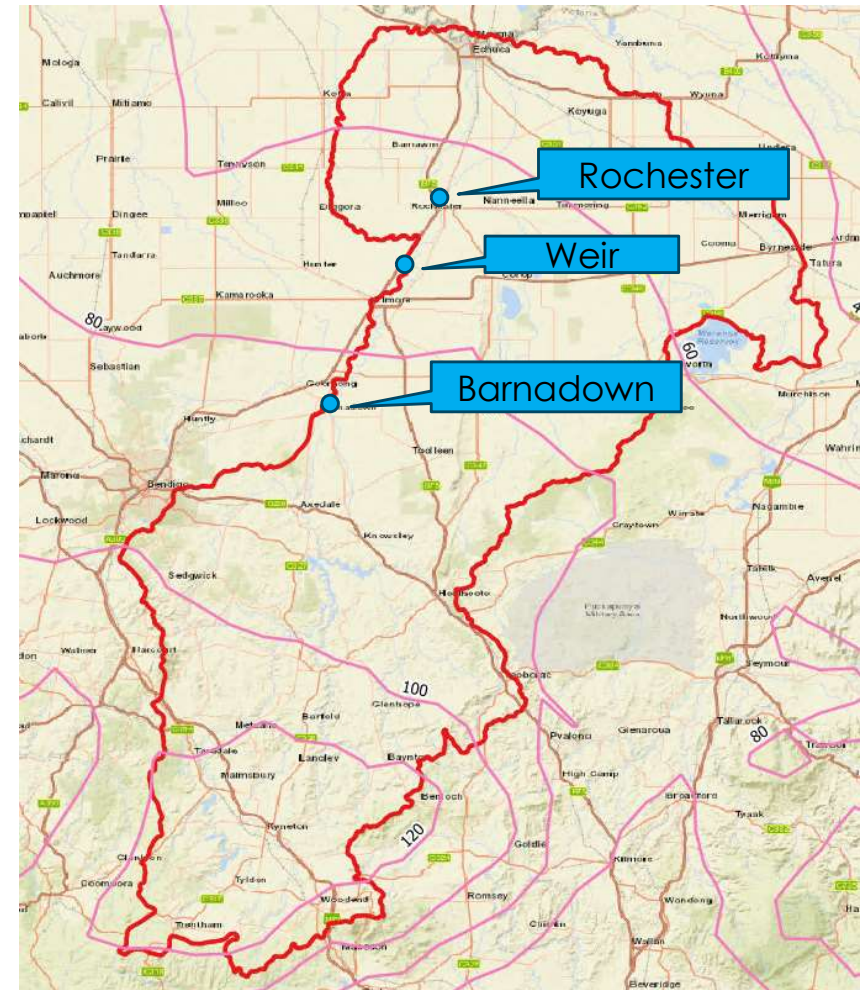
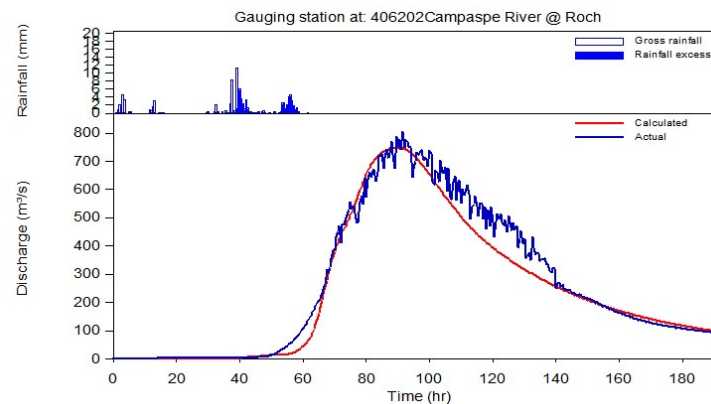
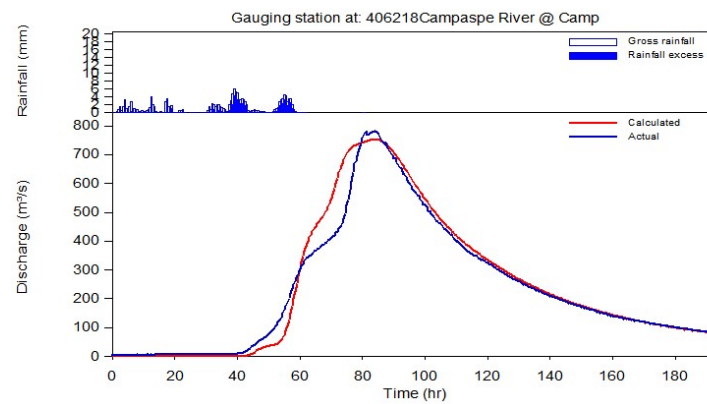
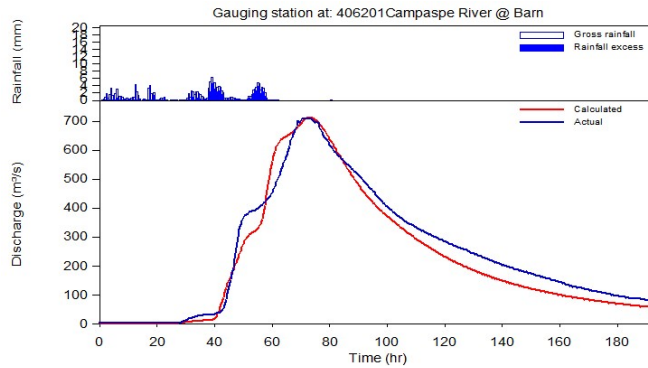
- Setup RORB model
- Calibrate
 - 2022, 2011, 2024



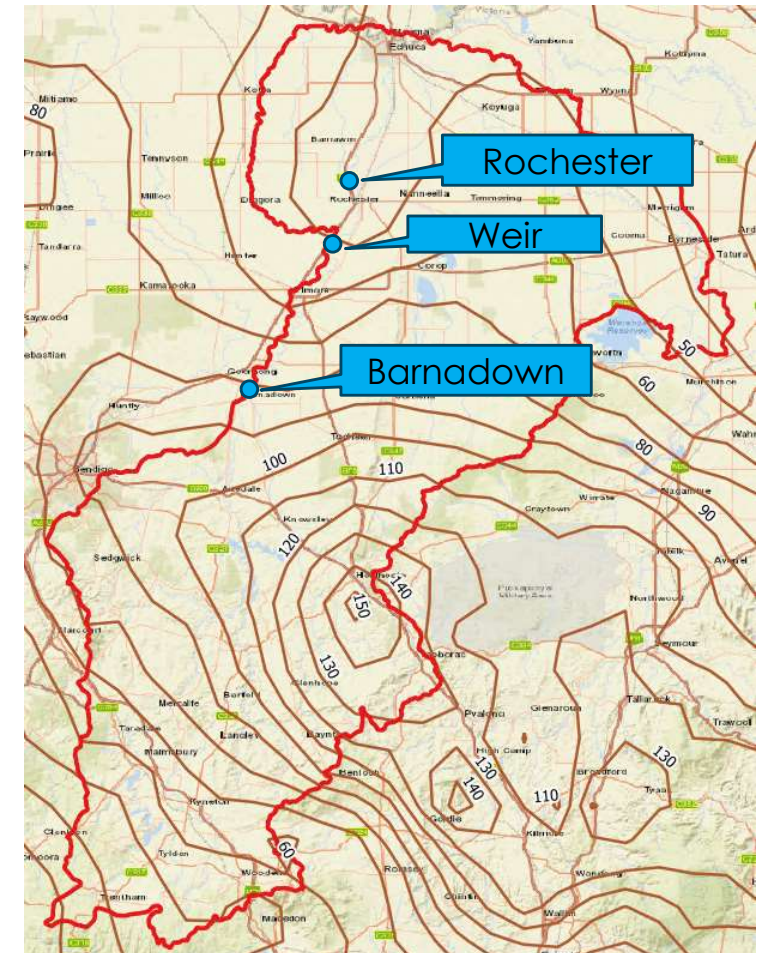
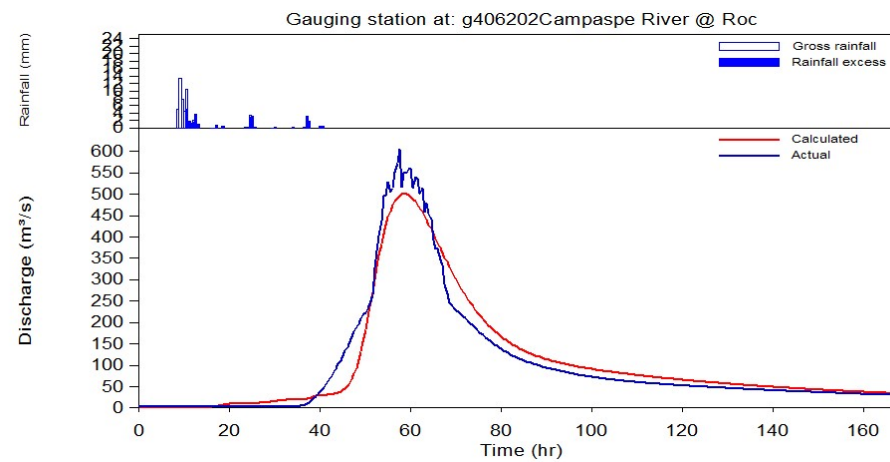
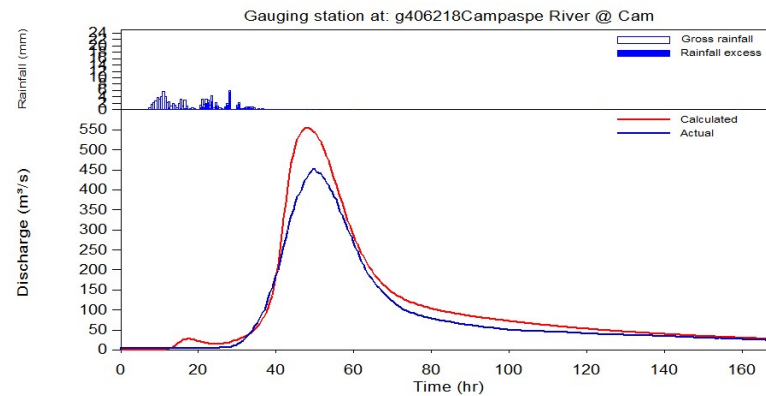
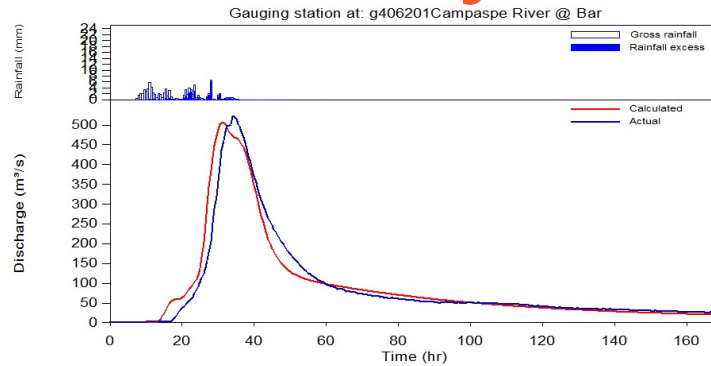
October 2022



January 2011



January 2024

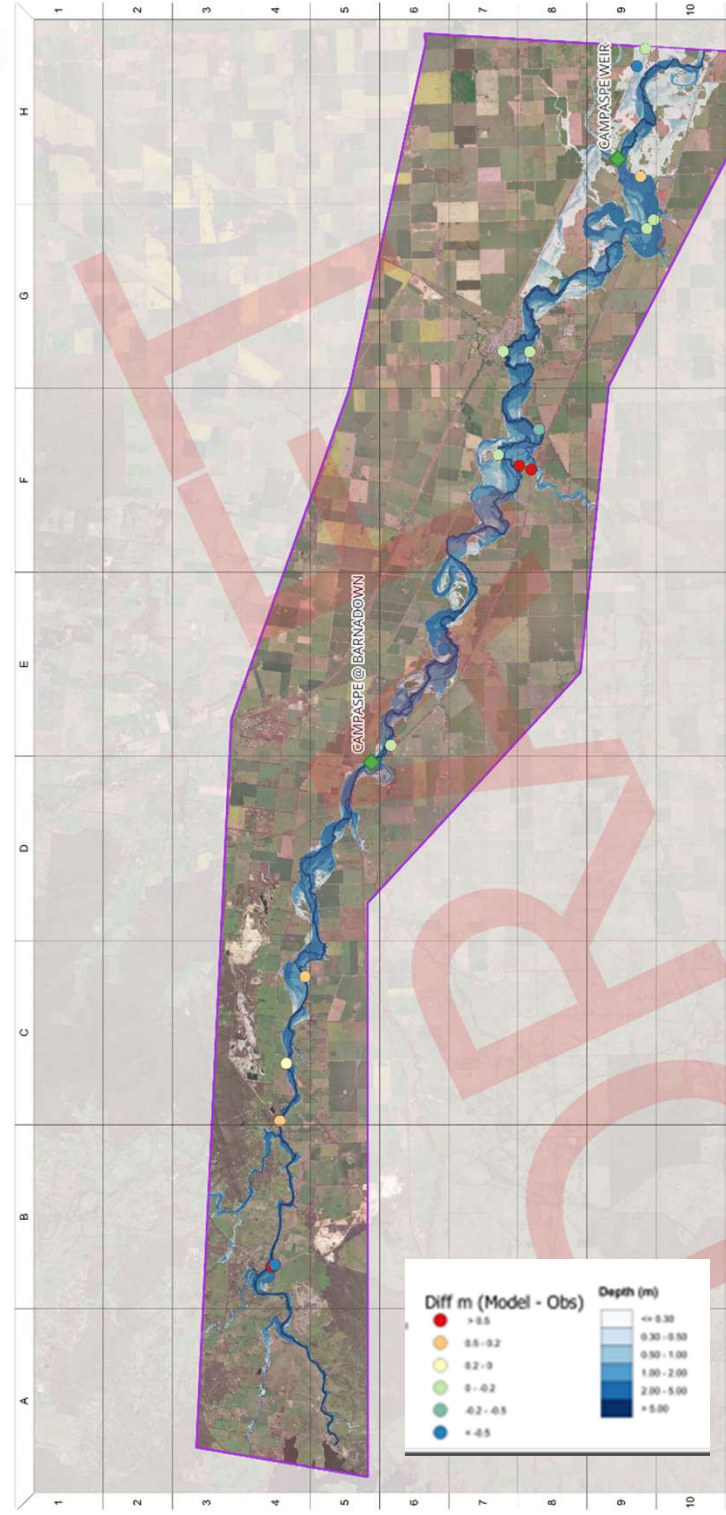


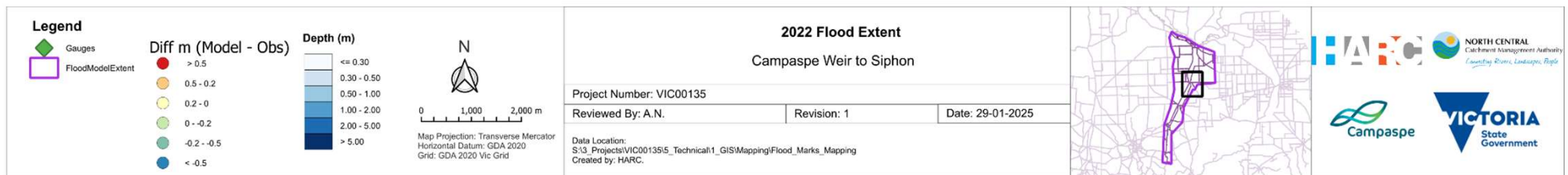
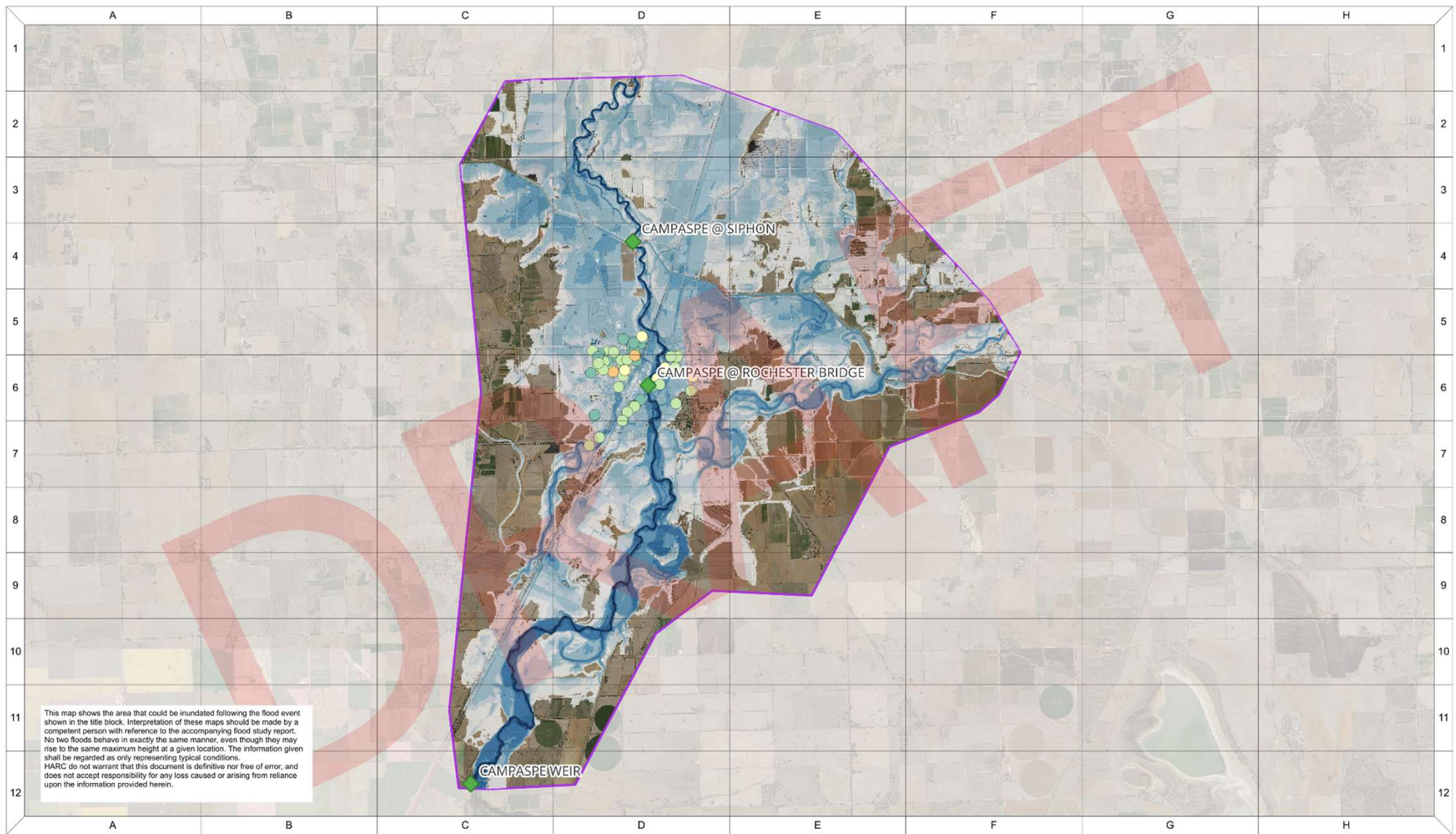
Hydraulic model

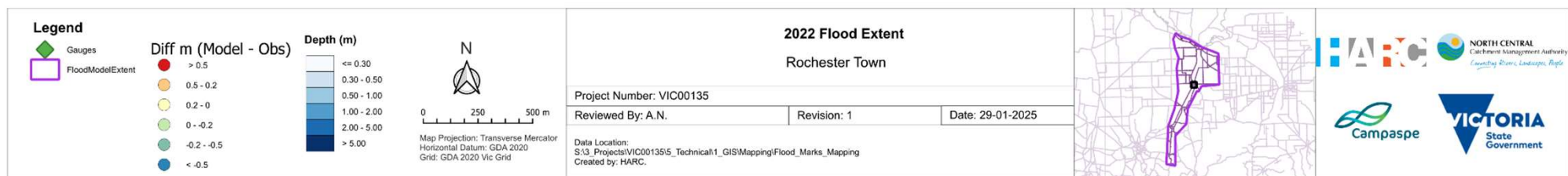
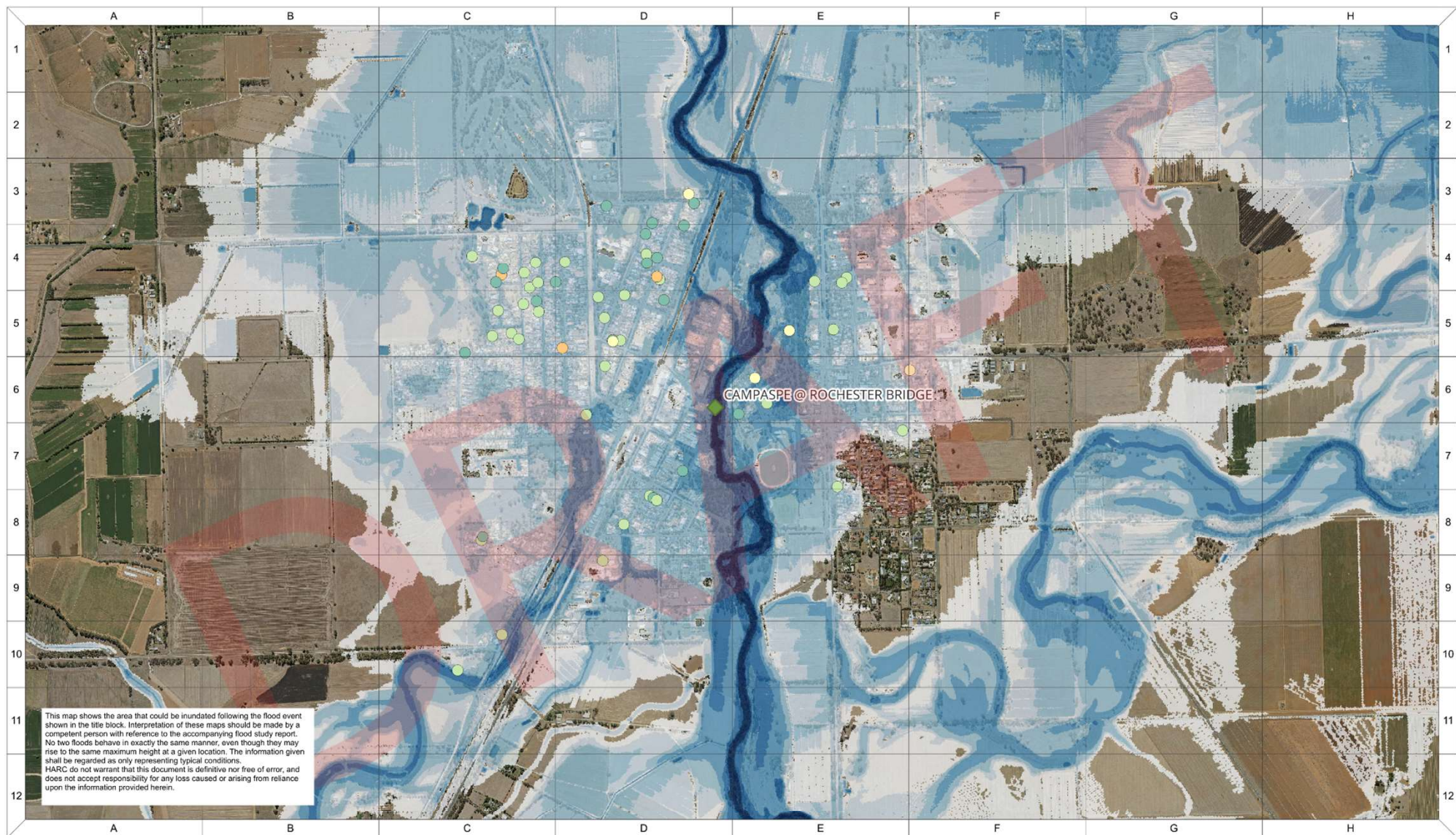
- Setup TUFLOW model
 - Three models (Eppalock to Campaspe Weir, Campaspe Weir to d/s Syphon, Campaspe Weir to Echuca)
- Calibrate
 - 2022 and 2011

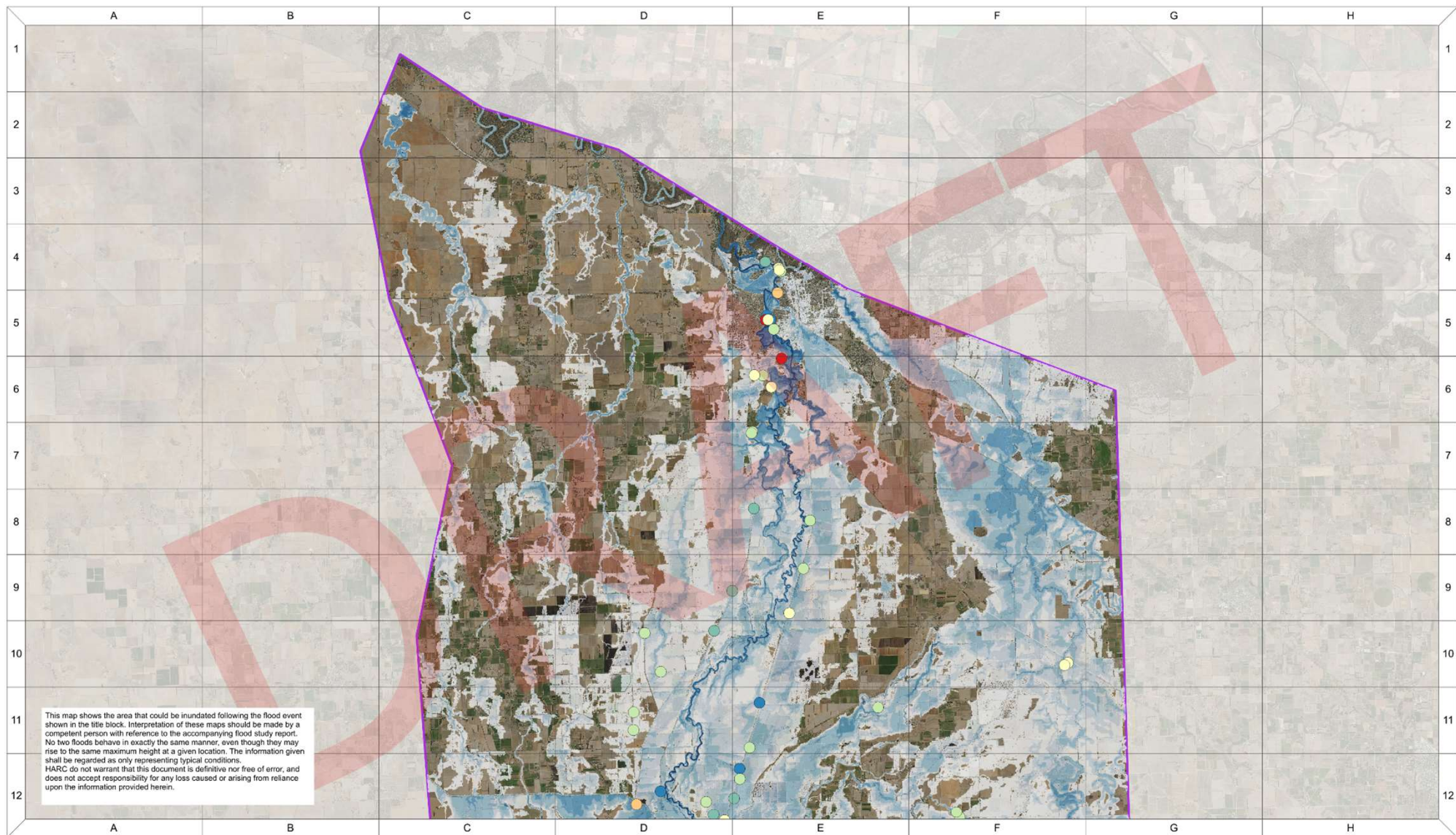
October 2022

HARC



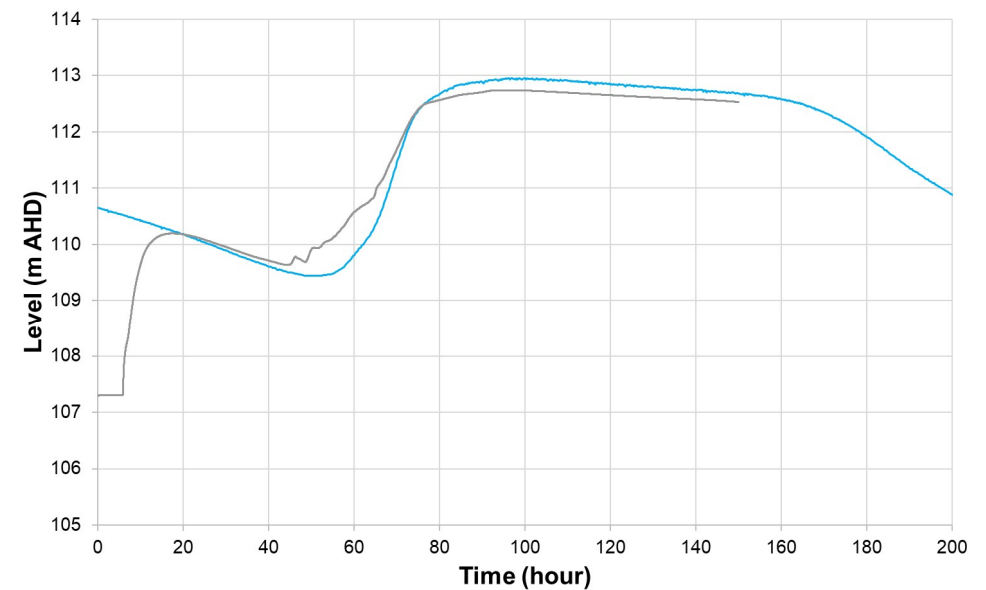
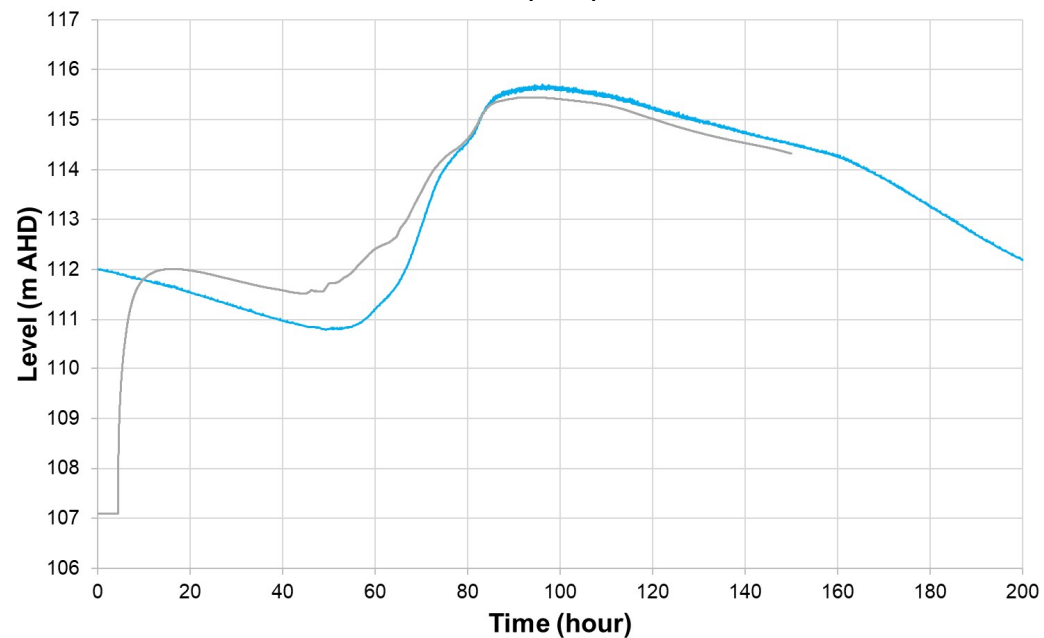
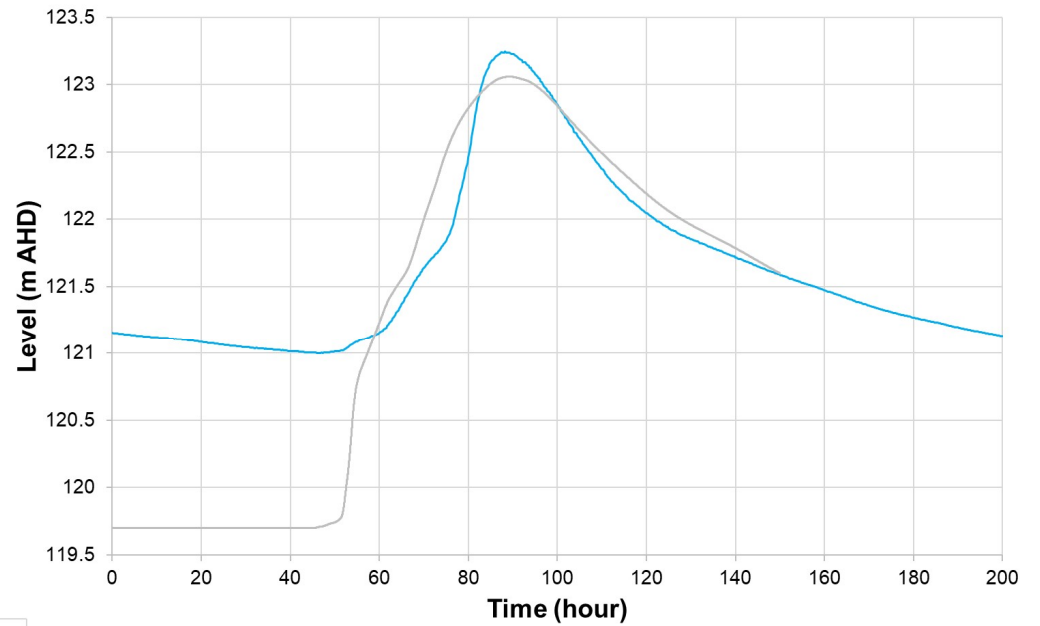
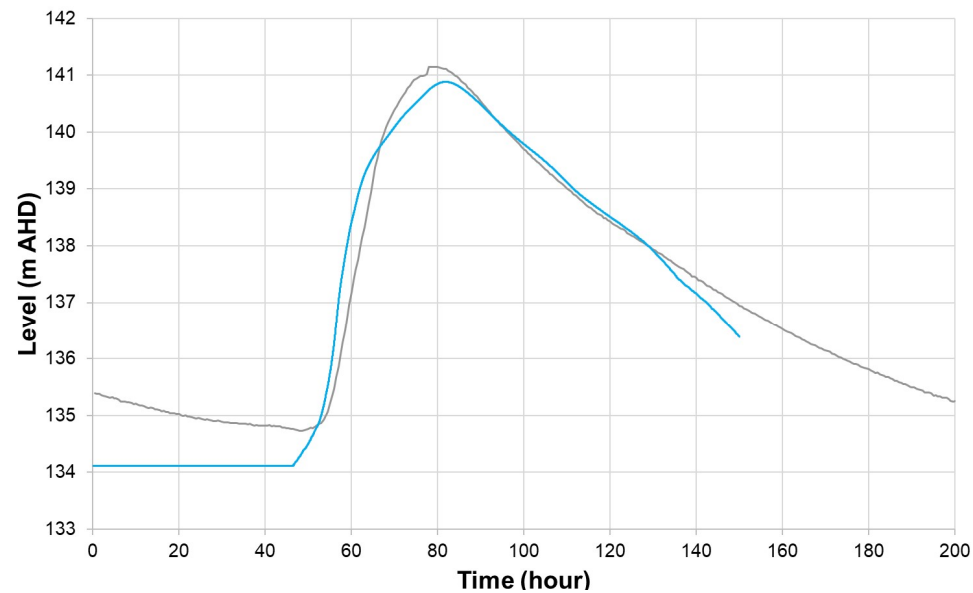






<p>Legend</p> <p> Gauges</p> <p> FloodModelExtent</p> <p>Diff m (Model - Obs)</p> <ul style="list-style-type: none"> > 0.5 0.5 - 0.2 0.2 - 0 0 - -0.2 -0.2 - -0.5 < -0.5 <p>Depth (m)</p> <ul style="list-style-type: none"> <= 0.30 0.30 - 0.50 0.50 - 1.00 1.00 - 2.00 2.00 - 5.00 > 5.00 <p> N</p> <p>0 2,000 4,000 m</p> <p>Map Projection: Transverse Mercator Horizontal Datum: GDA 2020 Grid: GDA 2020 Vic Grid</p>	<p align="center">2022 Flood Extent Rochester to Echuca</p> <p>Project Number: VIC00135</p> <p>Reviewed By: A.N. Revision: 1 Date: 29-01-2025</p> <p>Data Location: S:\3_P\Projects\VIC00135\5_Technical\1_GIS\Mapping\Flood_Marks_Mapping Created by: HARC.</p>	<div> </div> <div> </div>
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October 2022



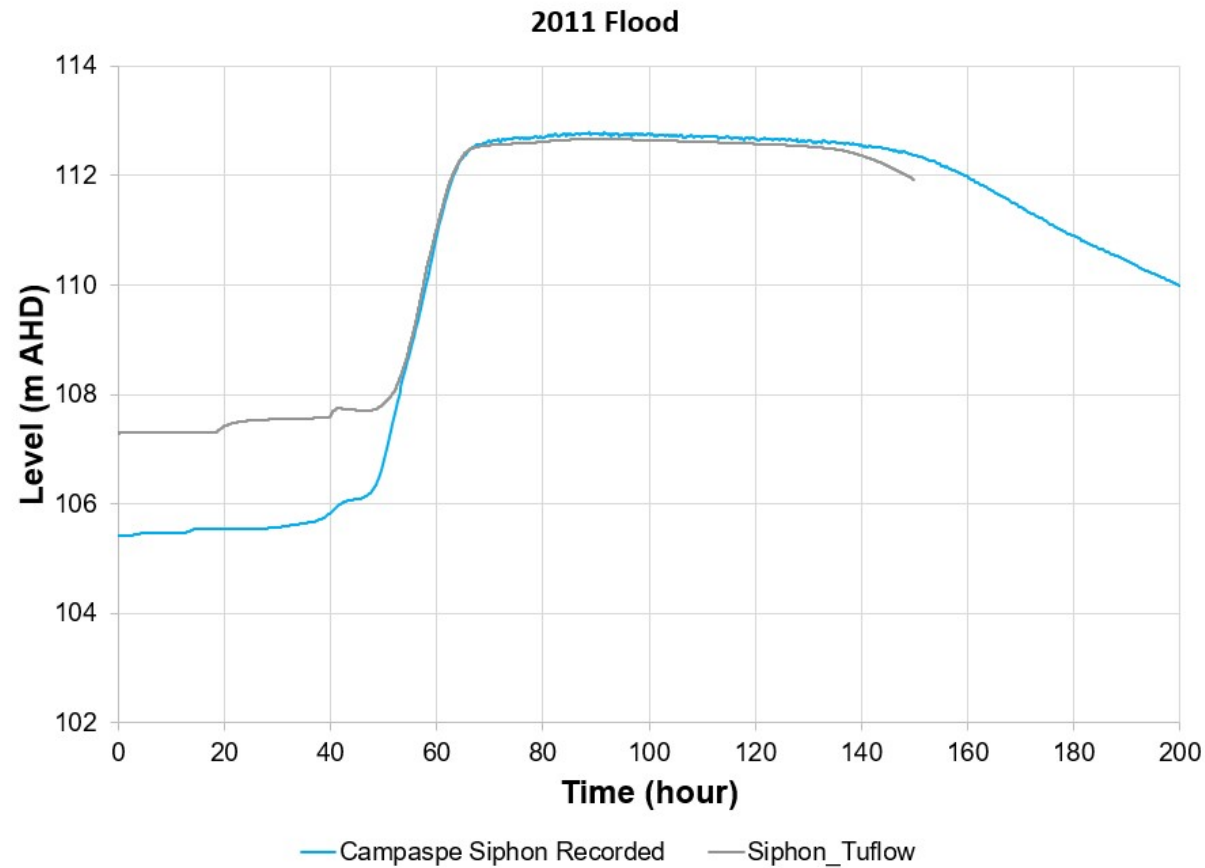
— Rochester Bridge Recorded — Rochester Bridge_Tuflow

— Campaspe Siphon Recorded — Siphon_Tuflow

October 2022

- Review grids

January 2011



Overview of methodology

- Hydraulic modelling
- Design flood modelling
- Climate change projections
- Sensitivity analysis

Overview of methodology

- Flood damage assessment
- Flood response plan
- Flood intelligence
- Mitigation (Socio-economic?)
- Flood warning for smaller rural communities (Strathallan and Bamawm)
- Reporting