Glenorchy flood modelling options

Road Name	Location	Status / Outcome
Bunbury Street	Raise the level of the road so access into town can be achieved for a larger event	**Raising Bunbury Street above the 1 in 100 flood caused undesirable increases to the south with limited decreases to the north, resulting in the option not being considered feasible.**
Green St	Model the impact of Green St being raised.	Stage 2 modelling project.
Wimmera River	Model the removal of the weir.	**Complete June 2023 - Removing the Glenorchy Weir and associated constructions causes upstream reductions in flood level; however, these are limited to downstream of Warracknabeal Road. This option is unlikely to be feasible due to the required extent of works and recreational impact on the Glenorchy community through removal of the weir.**
Main Channel	Cut away some sections of the bank on the old channel which would let water back into the river. Maybe the main drain could be directed into this. Also, increase the culvert capacity under the two road crossings at Arapiles and Forest. Could the big concrete points be removed and capacity increased?	**Complete June 2023 - Opening the roadway constrictions does not cause significant reductions in the upstream flood level, largely due to the very large flow rates already overtopping each road crossing (even in a 10% AEP event). The additional capacity when the constrictions are opened isn't sufficient to prevent the roads from overtopping and therefore there is only limited change to upstream water levels.**
Main Channel	Remove any blockages from the main channel along Stawell Warracknabeal Road. Replace some of the shallow culverts under Stawell Warracknabel with deeper units. Dig deeper drain from the channel to the river.	**Complete June 2023 – Modelled in the above**

Forest & Boyd St Intersection	Model the lowering of the road at the intersection of Boyd and Forest Street in front of the hall as the road is holding water up.	Stage 2 modelling project
Local Storm Event	Can a local 1 in 100 storm events on the local catchment be modelled to see impacts rather than riverine flooding	Stage 2 modelling project