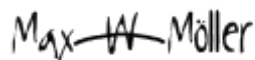


1% AEP FLOOD GIS OUTPUT PERFORMANCE SOLUTION STATEMENT

FS-HOB-19106-GEORGE TOWN SSMP

Site Address	George Town Municipality
Project Number	FS-HB-19106 REV00
Date:	24 February 2021
Client:	James Stewart
Report By:	Max W. Moller
Checked By:	Max W. Moller



Max W. Möller

BEng, FIEAust, EngExec, CEng, NER, APEC Engineer, IntPE(Aus)

Managing Director / Principal Hydraulic Engineer

Licence: 650370893

George Town Council has requested to Flusig Spatial the amendment for the 1% flood GIS layer as per below:

- Removal of the flood GIS Layer for the overland flow path under 300mm.
- Removal of the flood GIS layer below the LIST mean hightide water mark.

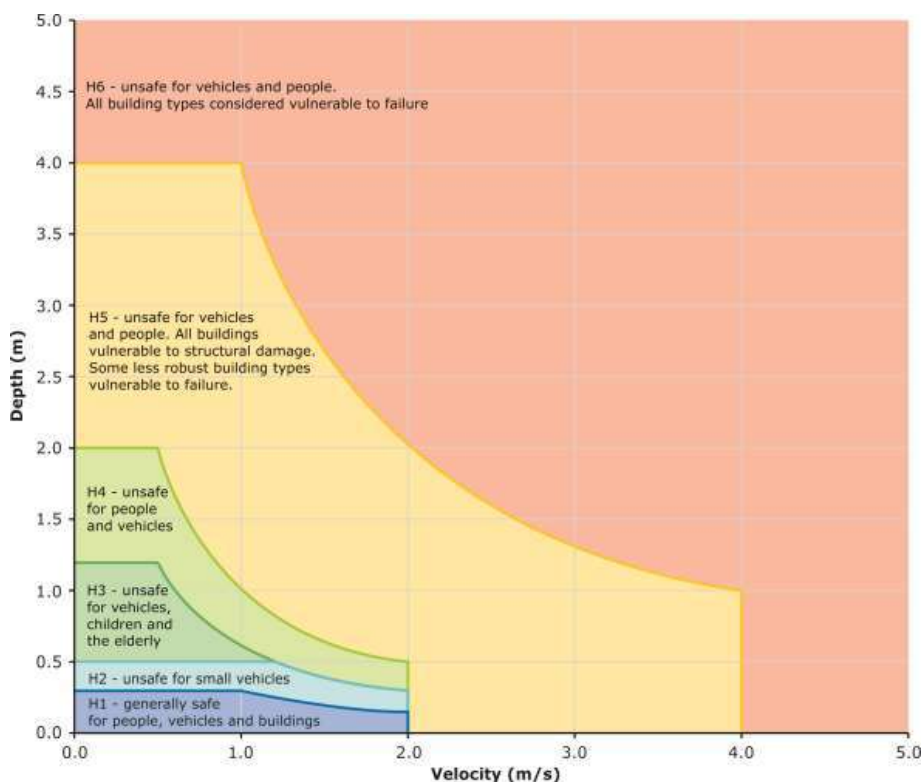
EXISTING CONDITIONS AND ASSUMPTIONS

Existing overland flood conditions are to remain except for the areas that are 300mm depth and 0.1 m/s velocities to assist with the application of a revised flood mapping in a draft LPS.

Therefore, in the event of flooding, the current GIS flood layers for an access road would be at safe levels for operational emergency evacuation, assuming recommendations supplied in the SSMP report are applied.

PERFORMANCE SOLUTION COMPLIANCE

Australian Flood Resilience and Design Handbook.



SUMMARY AND CONCLUSIONS

- For the 1% AEP overland flow paths under 300mm the hazard rating, as adopted by Australian Flood Resilience and Design Handbook, is placed as **H1** – low risk to elderly, children, adults, and vehicles and therefore the GIS layer has been removed.
- Removal of the 1% AEP flood GIS layer is below the LIST mean hightide water mark (which is the edge of the sea/Tamar Estuary), and therefore the GIS layer has been removed.

End of the Performance Solution Letter