

ENVIRONMENTAL ASSESSMENT

Newcastle Gas Storage Facility Project

Major Project Application Number 10-0133

Volume 3: Appendices 5 – 7

May 2011

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NEWCASTLE GAS STORAGE FACILITY PROJECT

Flood Impact Assessment

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1st February 2011

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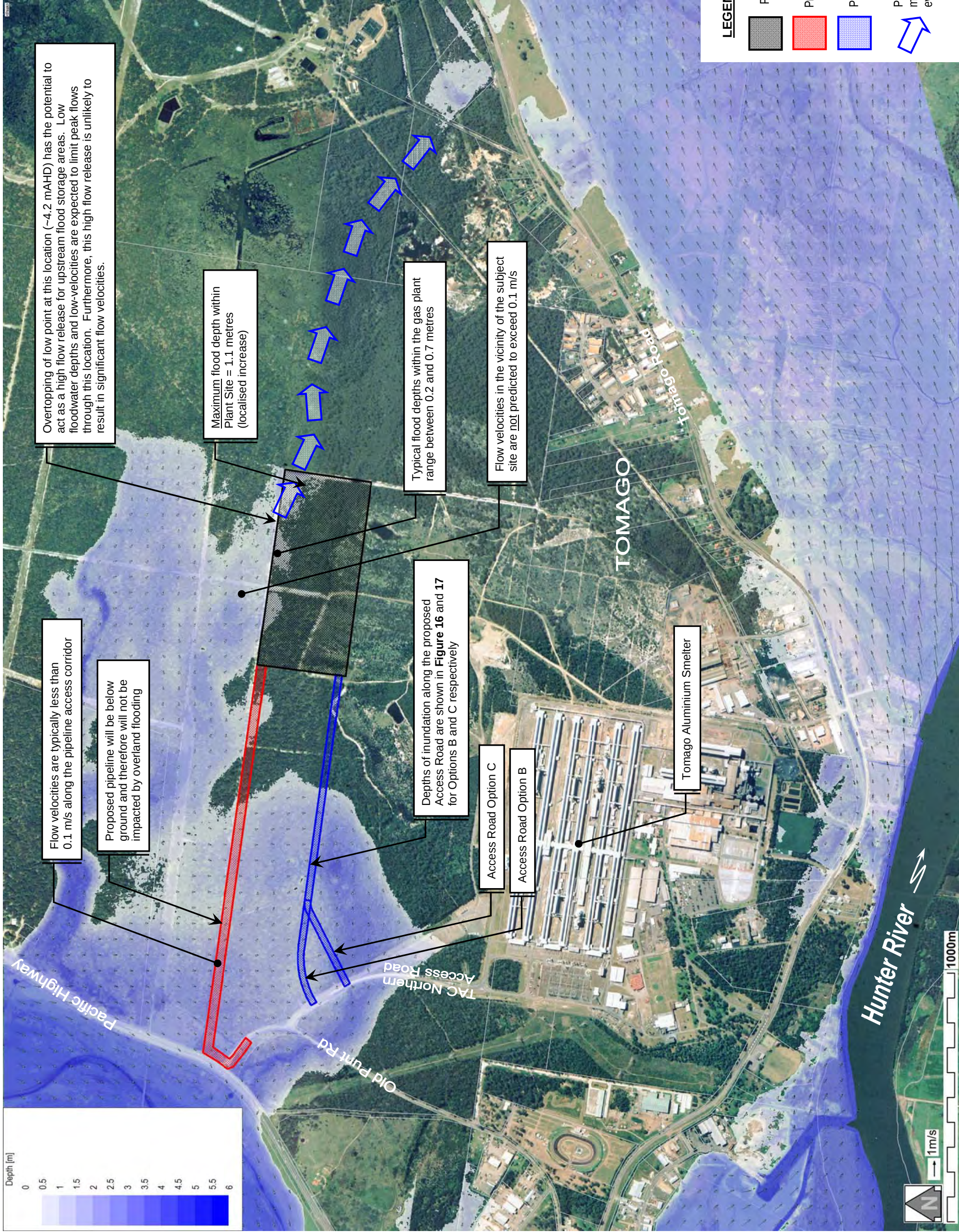
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Appendix A – Report Figures

FIGURE 6



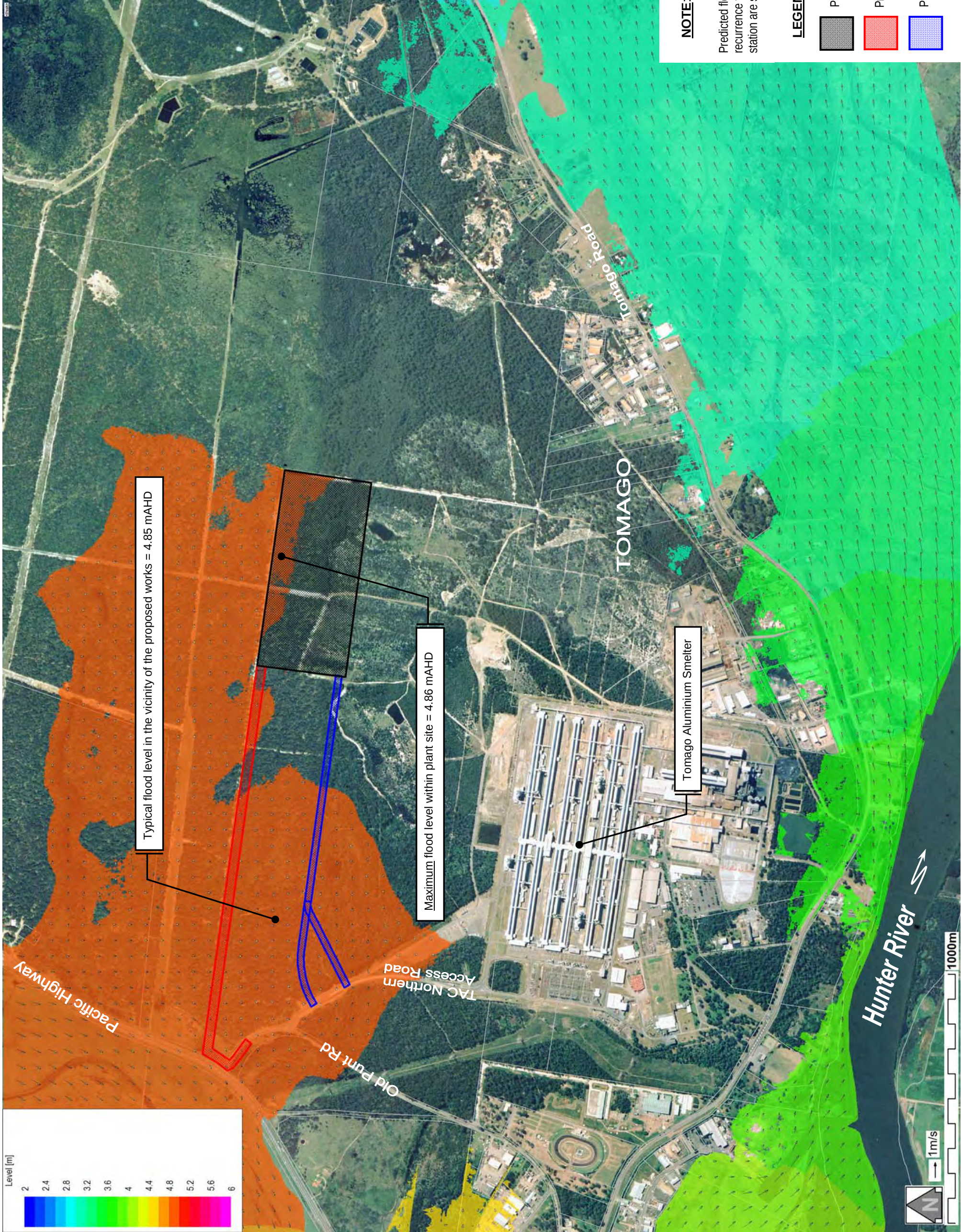


FIGURE 7

FIGURE 8

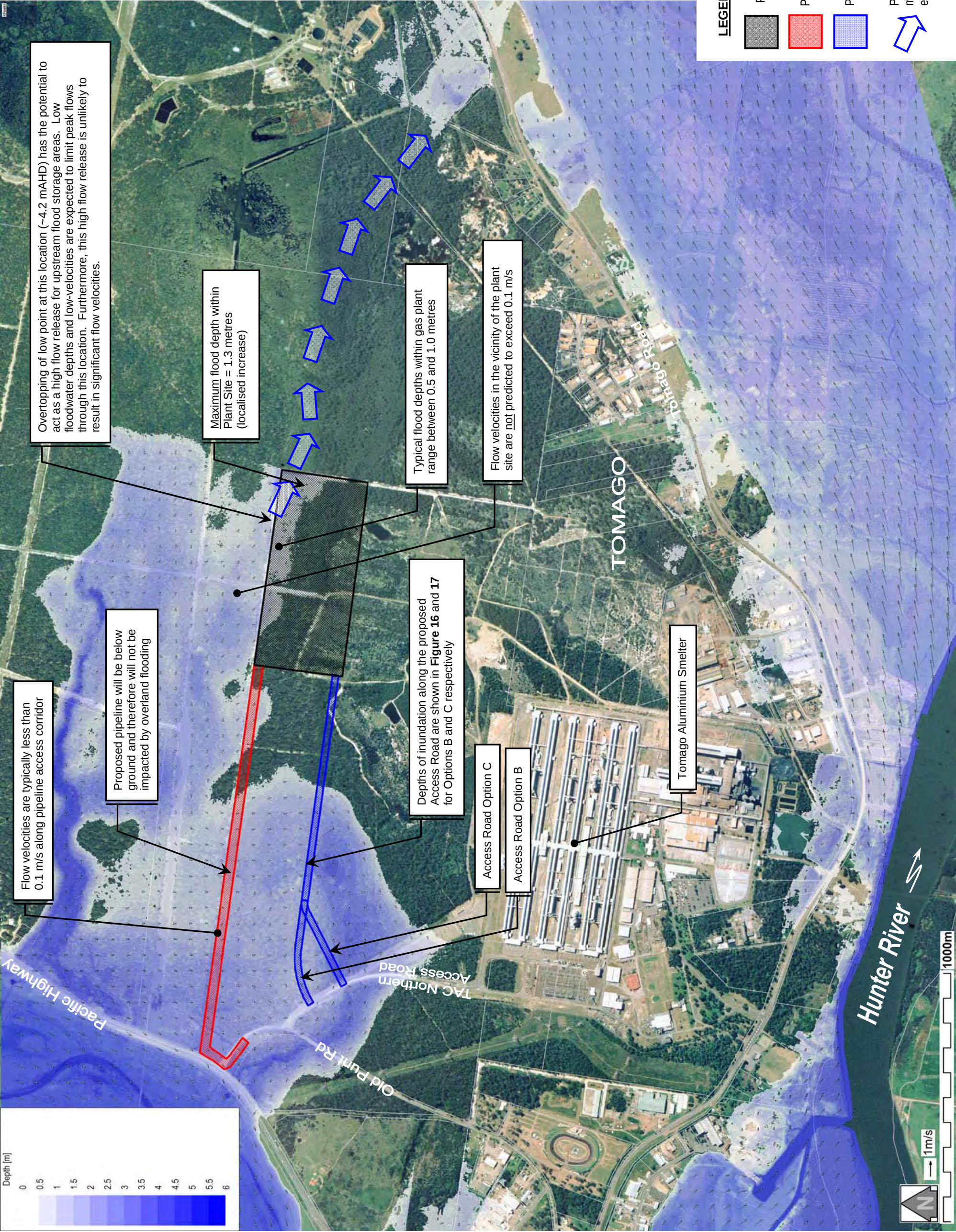
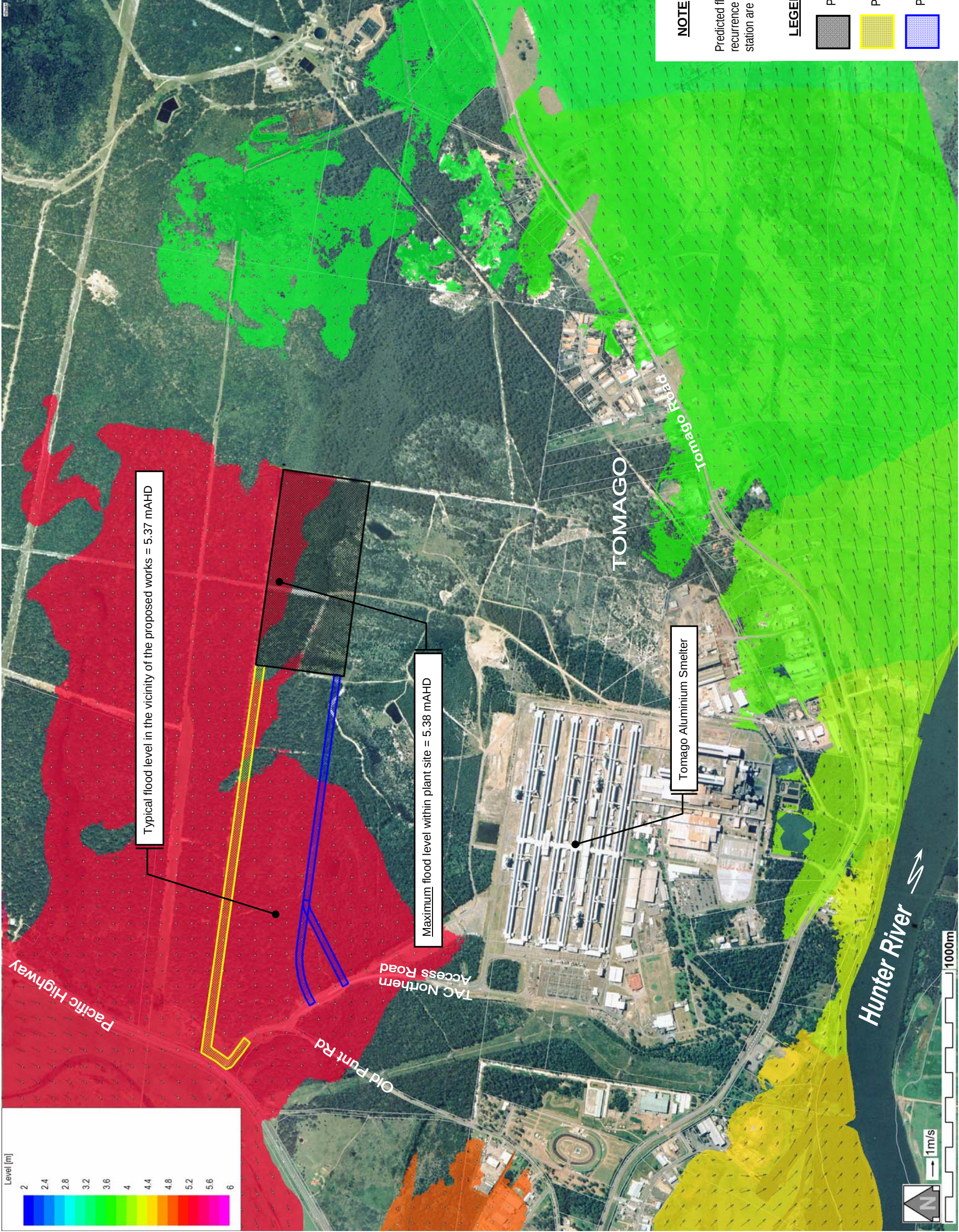


FIGURE 9



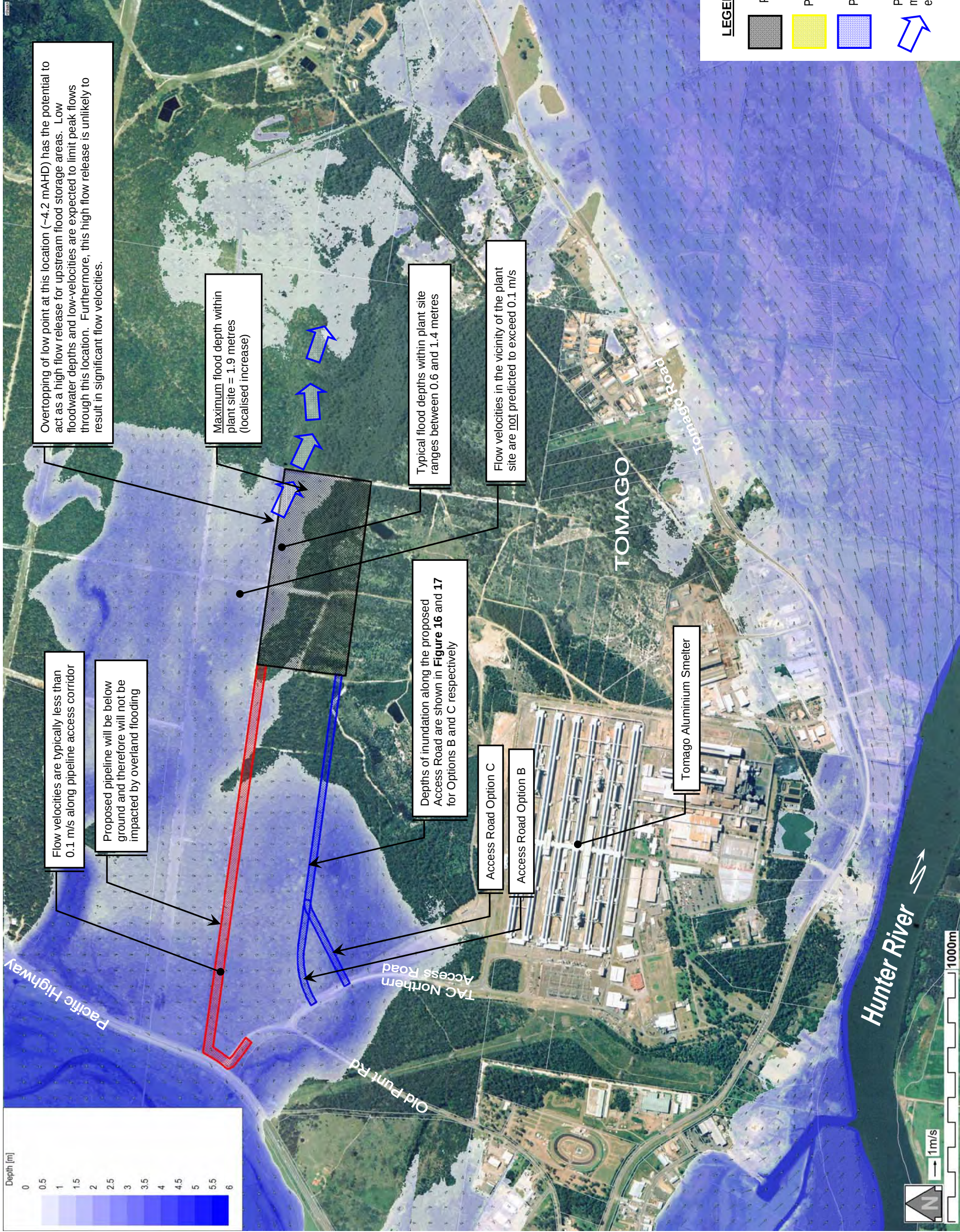
NOTE:

Predicted flood levels at the peak of the 500 year recurrence flood in the vicinity of the proposed receiving station are shown in **Figure 15**.

LEGEND:

- Proposed Gas Plant Site
- Proposed Pipeline Access Corridor
- Proposed Access Road and Utility Corridor

FIGURE 10



PREDICTED DEPTHS AND VELOCITIES AT THE
PEAK OF THE 500 YEAR ARI FLOOD

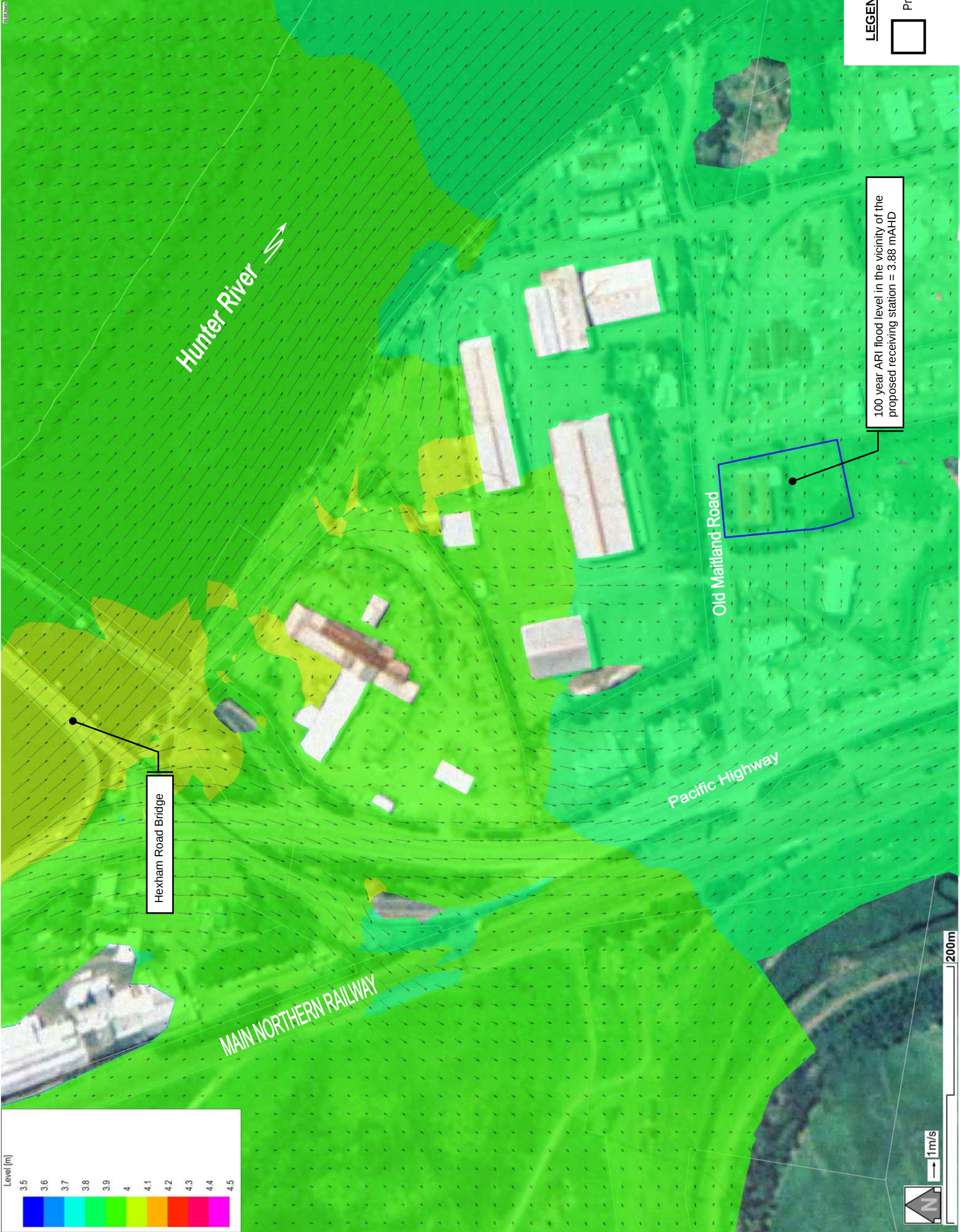
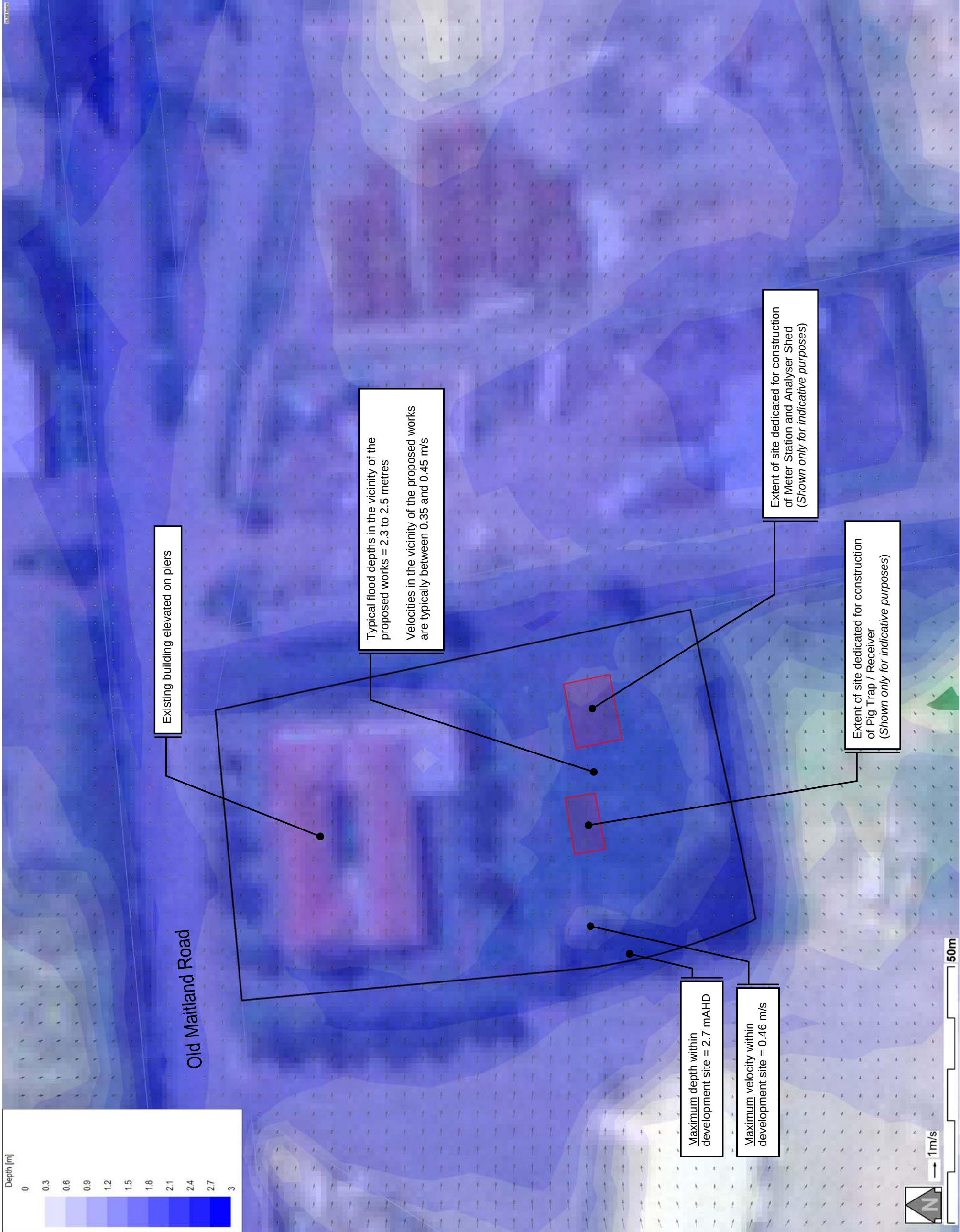


FIGURE 11

FIGURE 12



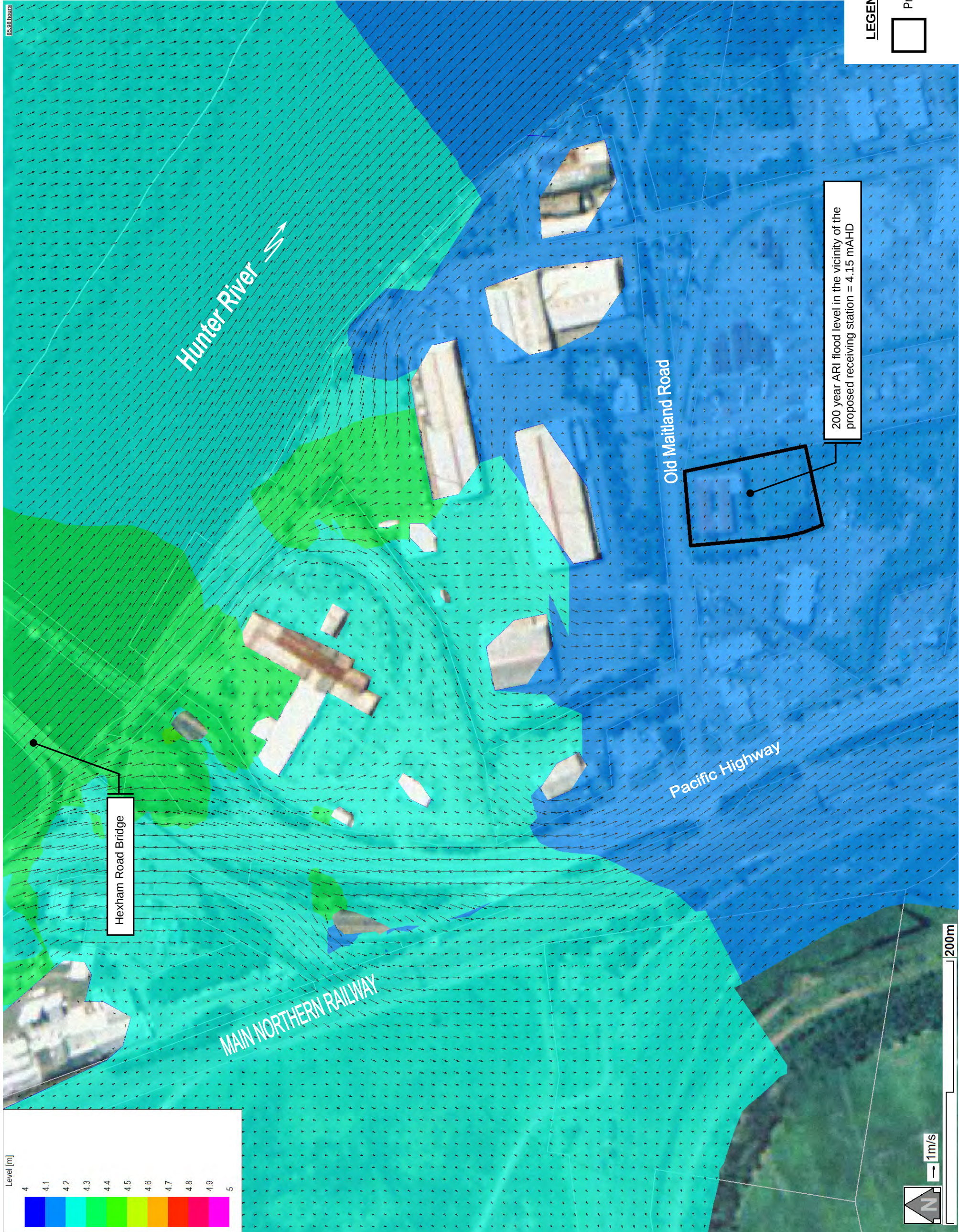


FIGURE 13



FIGURE 14

FIGURE 15

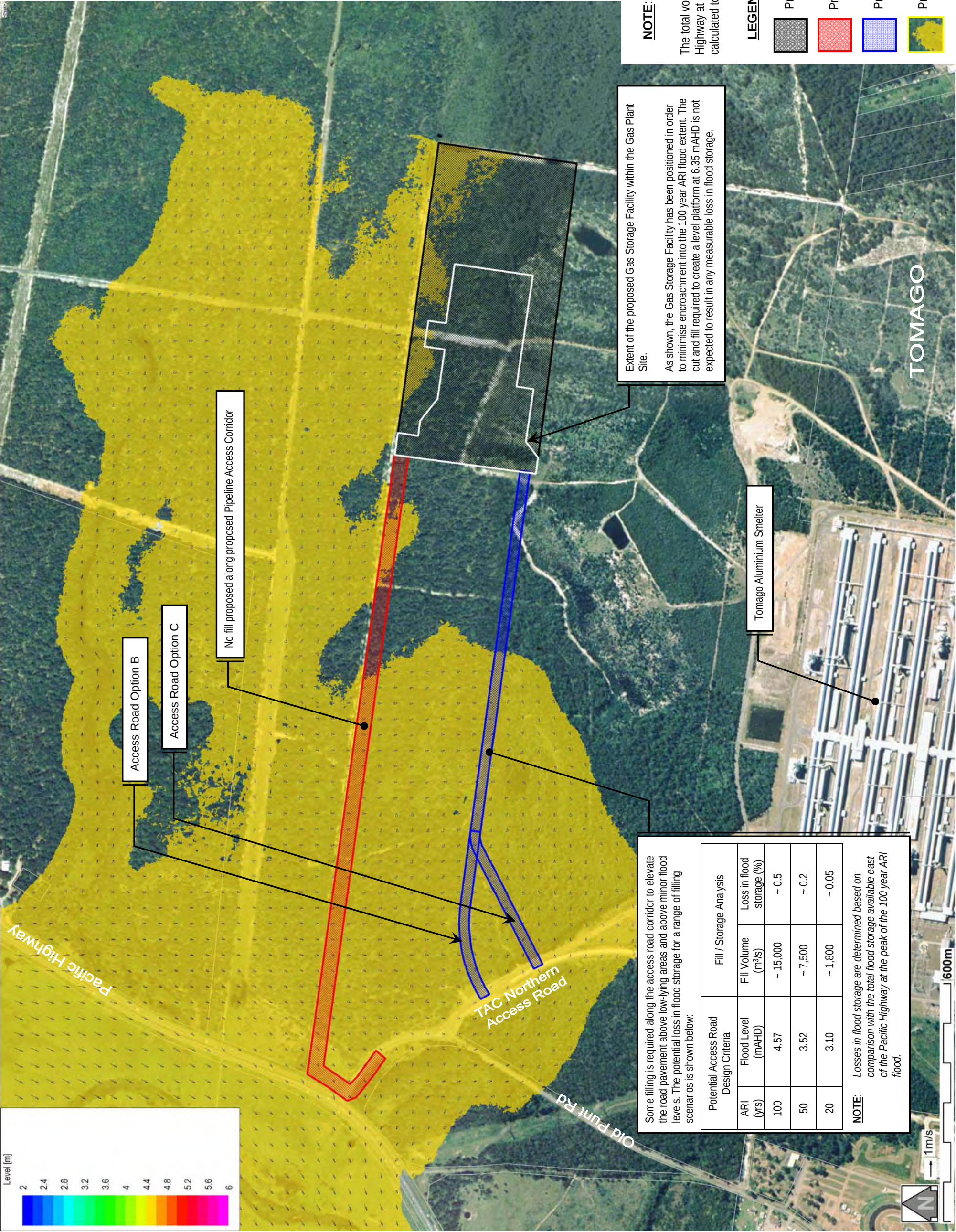


FIGURE 16

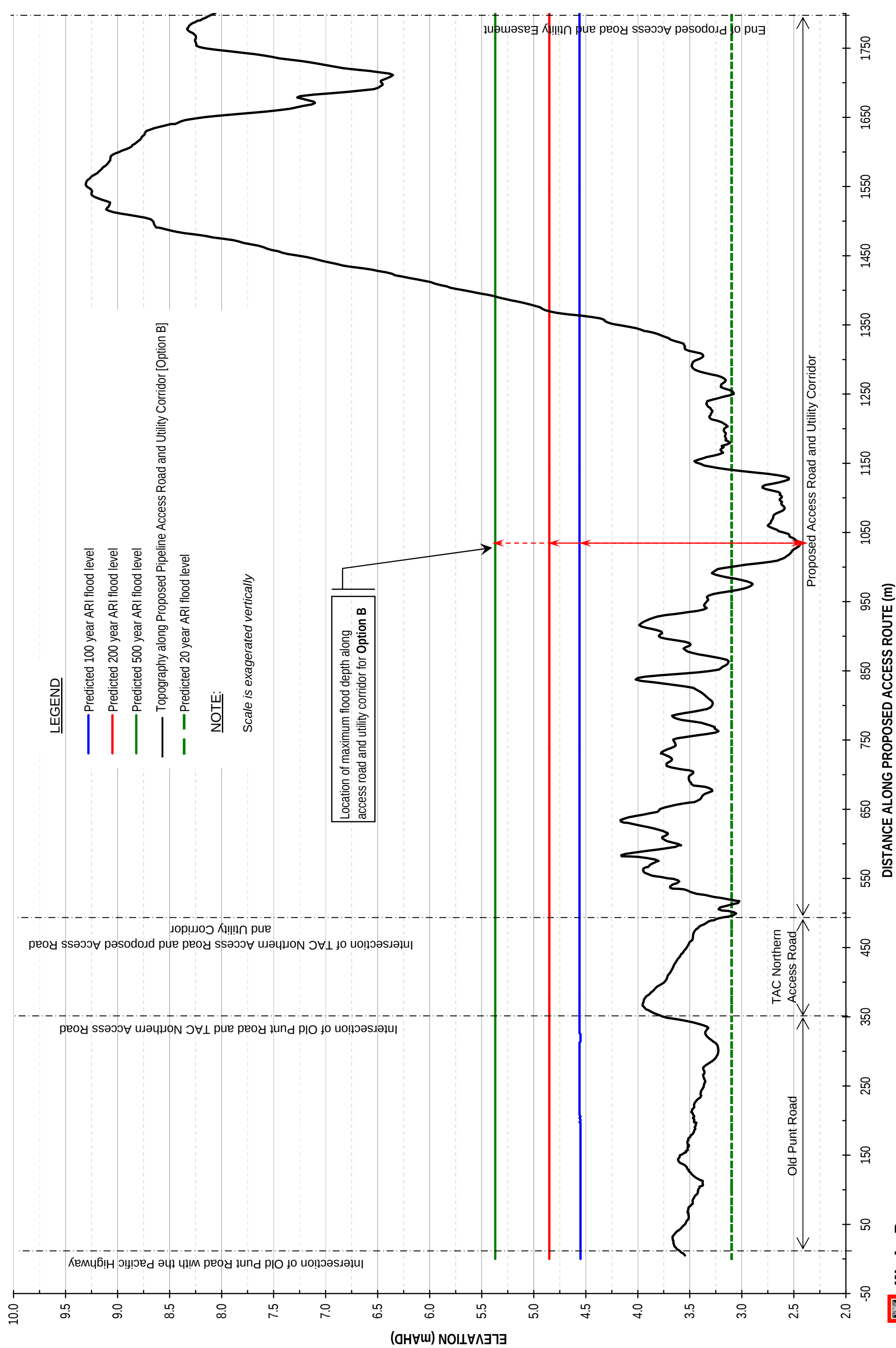


FIGURE 17

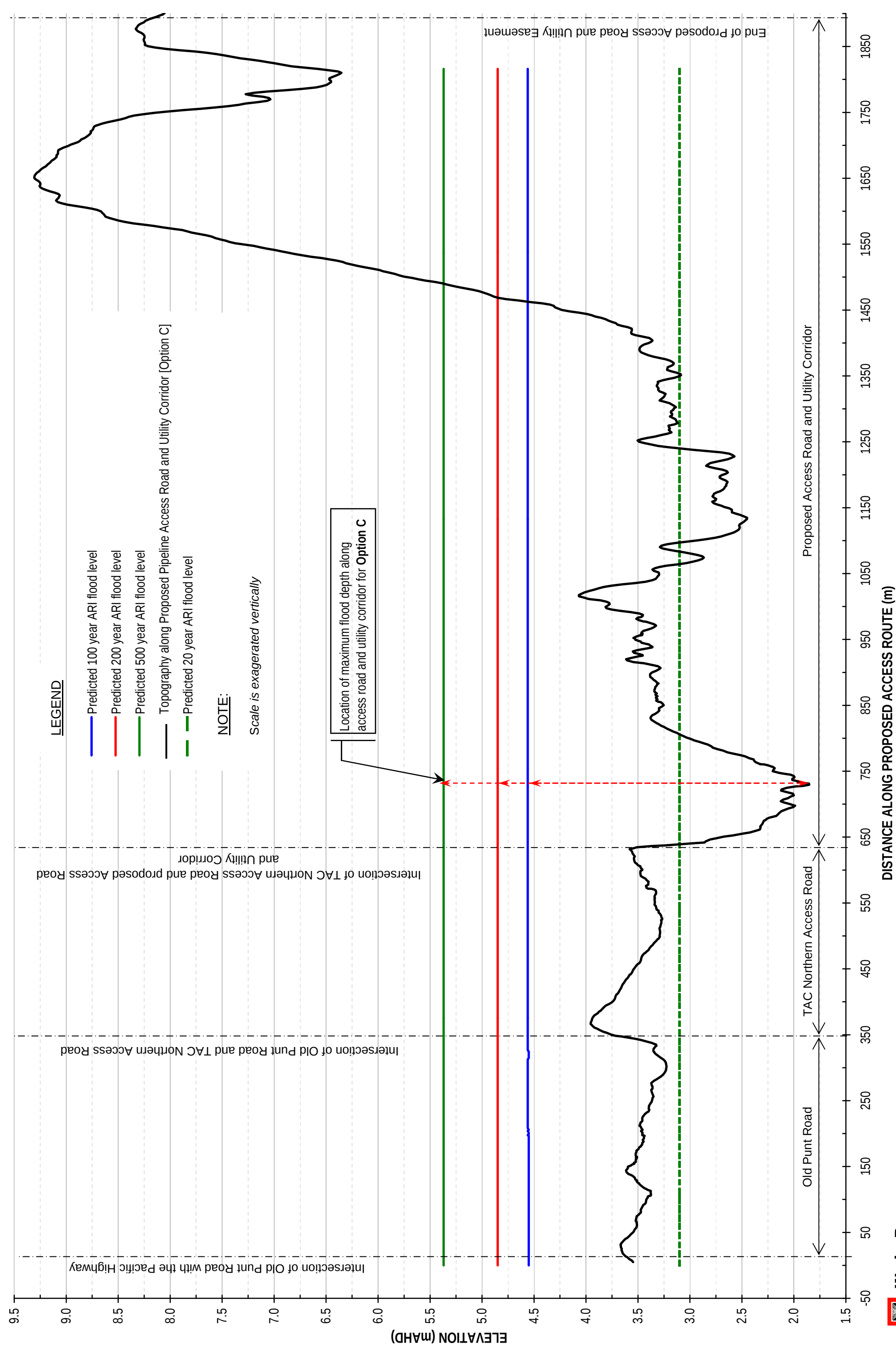
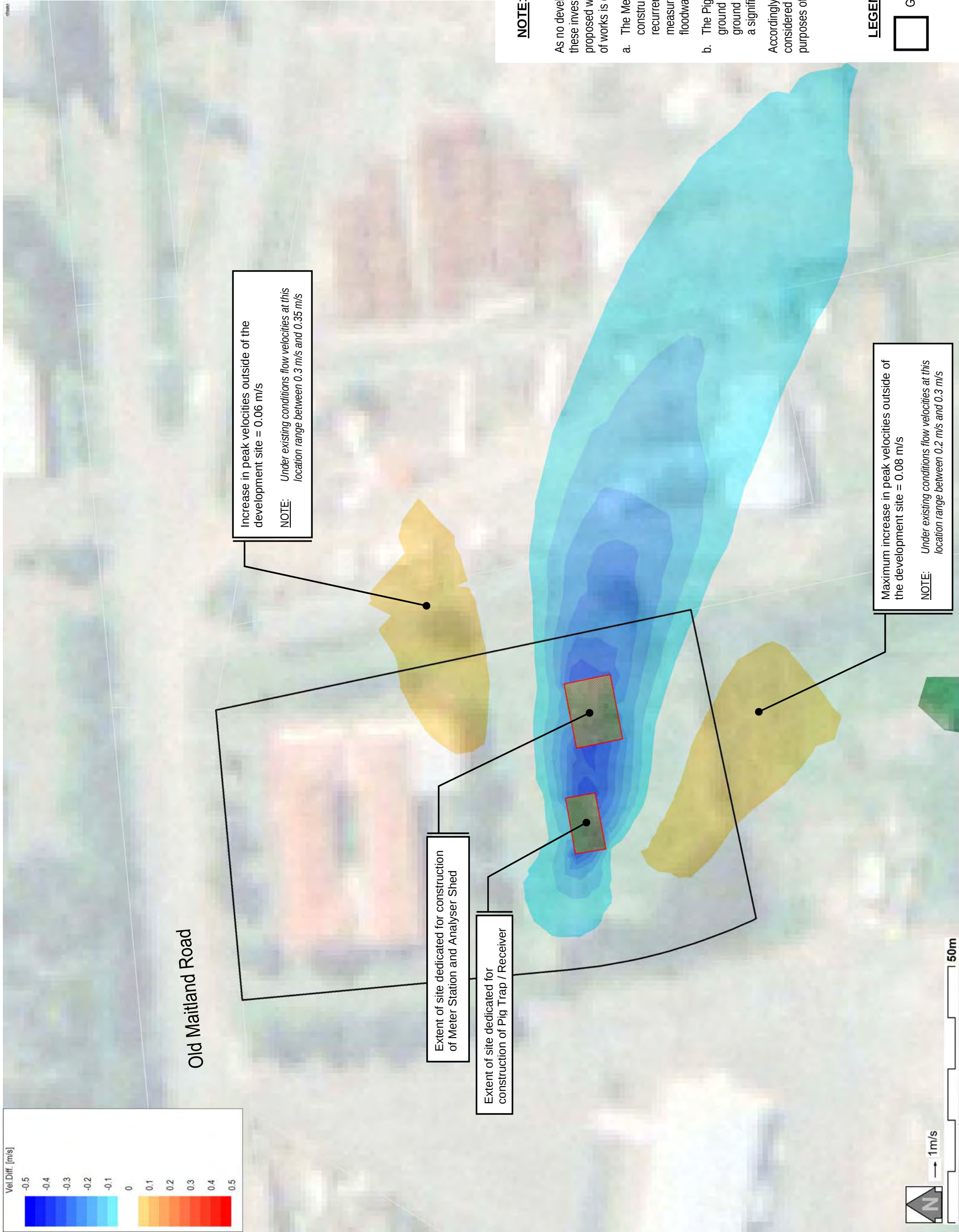


FIGURE 18





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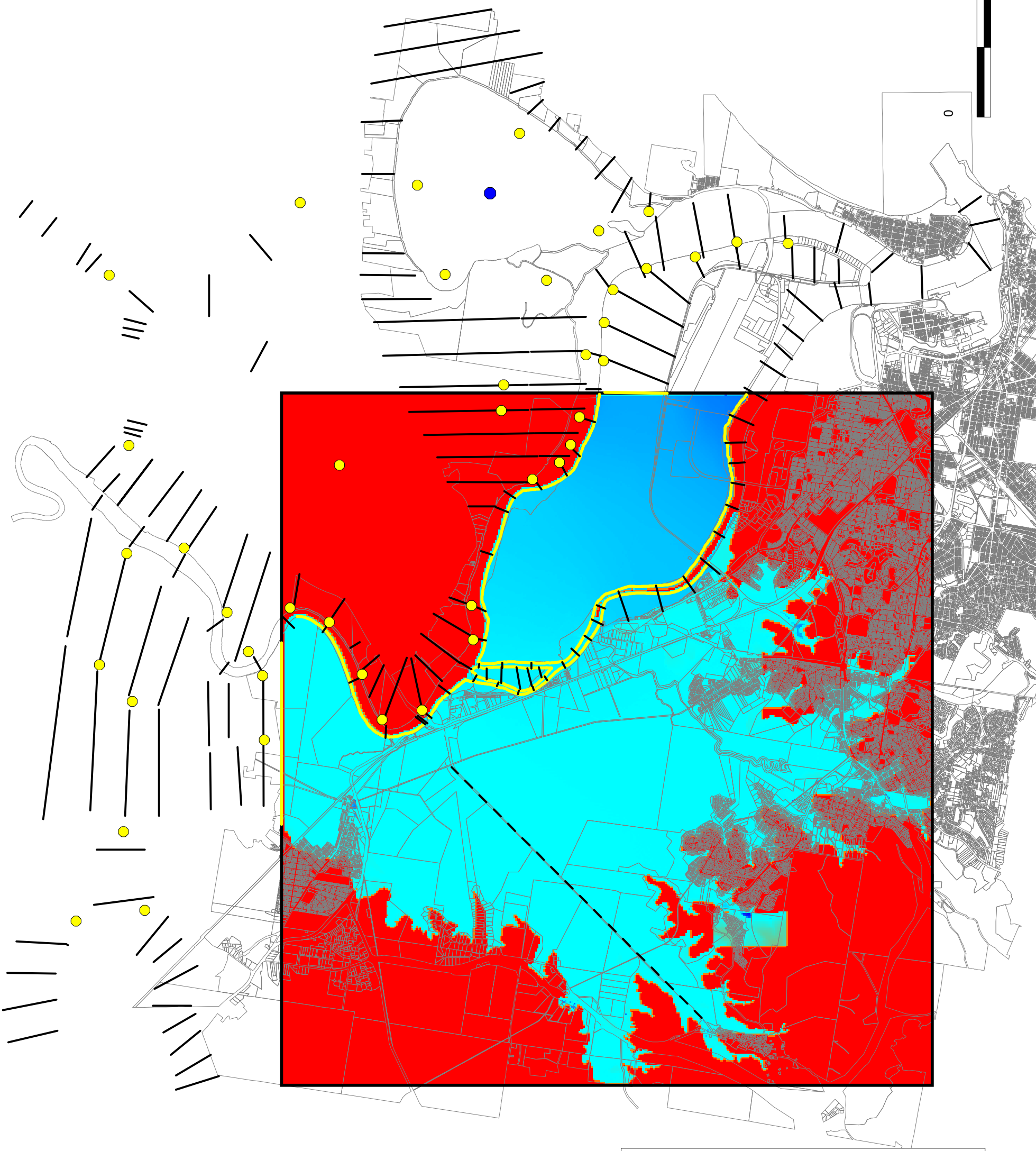
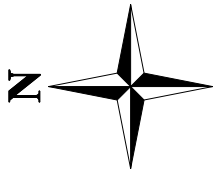


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Appendix B – Schematic of MIKE Flood Model Developed by DHI (2009)



Legend

- Catchment extent
- Land values
- M21 simulation area
- M11 cross sections
- MFlood transfer
- 1D Link Channels
- Storage
- Abandoned Railway Line