





LACHLAN SHIRE COUNCIL

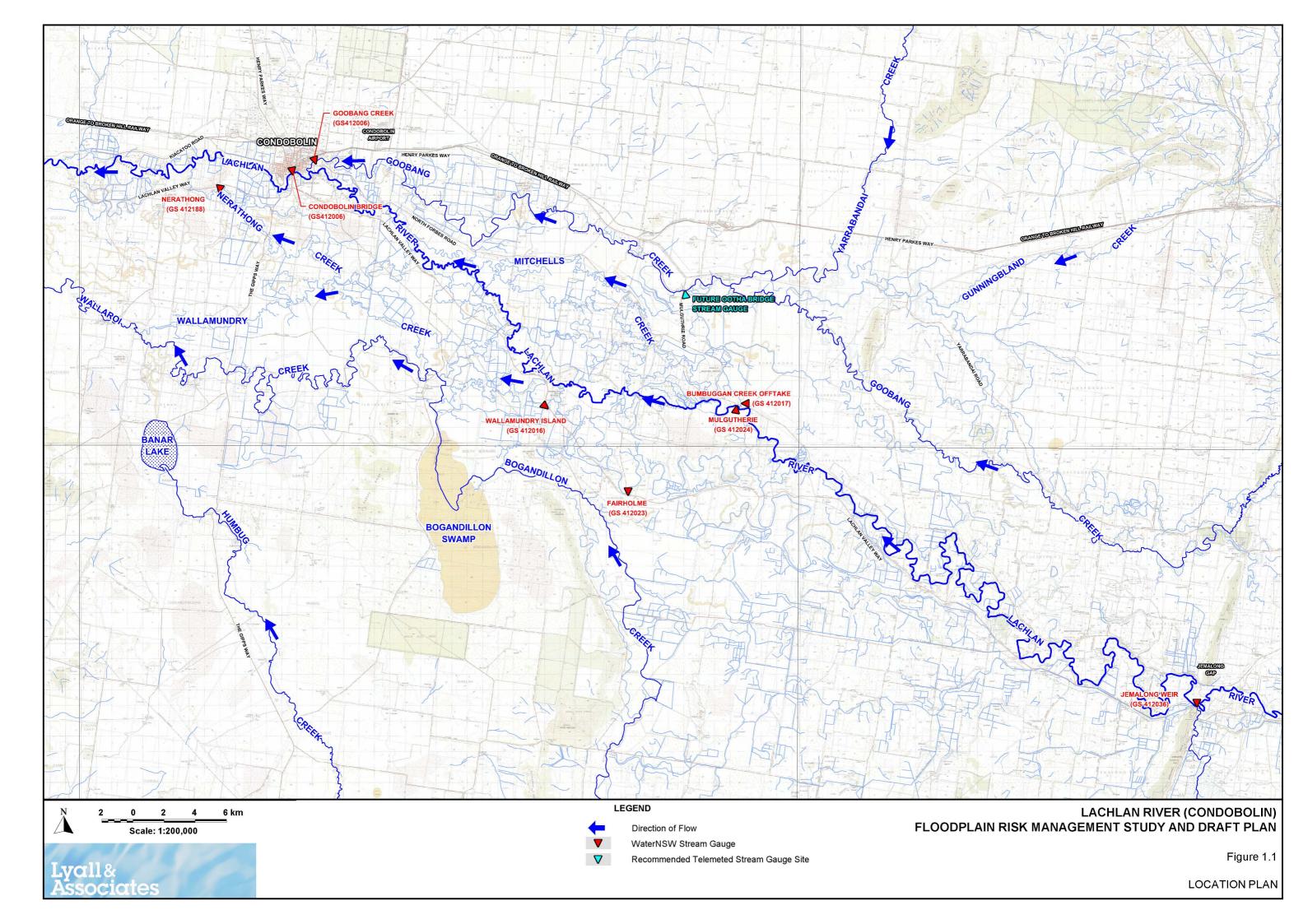
LACHLAN RIVER (CONDOBOLIN) FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

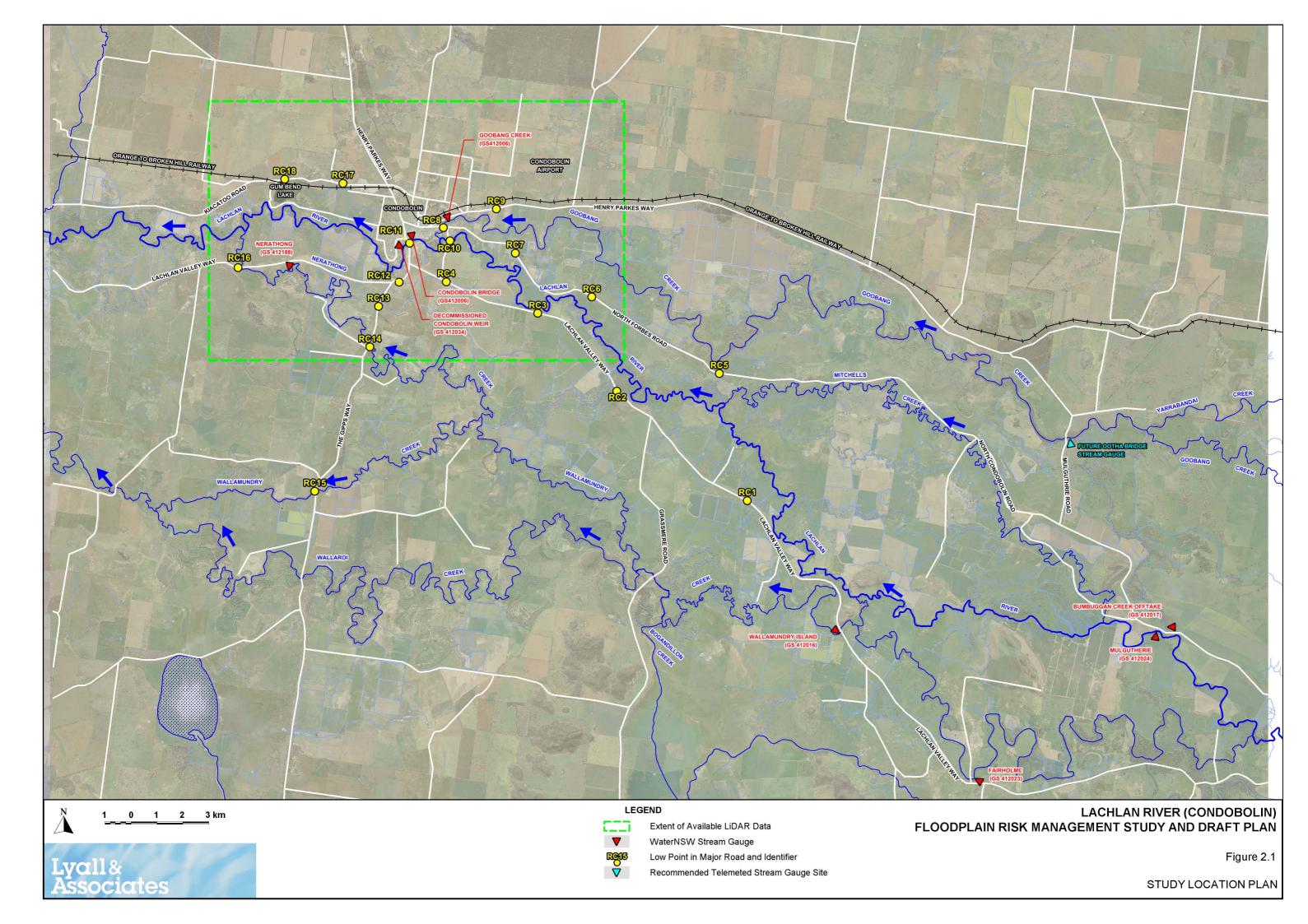
NOVEMBER 2018

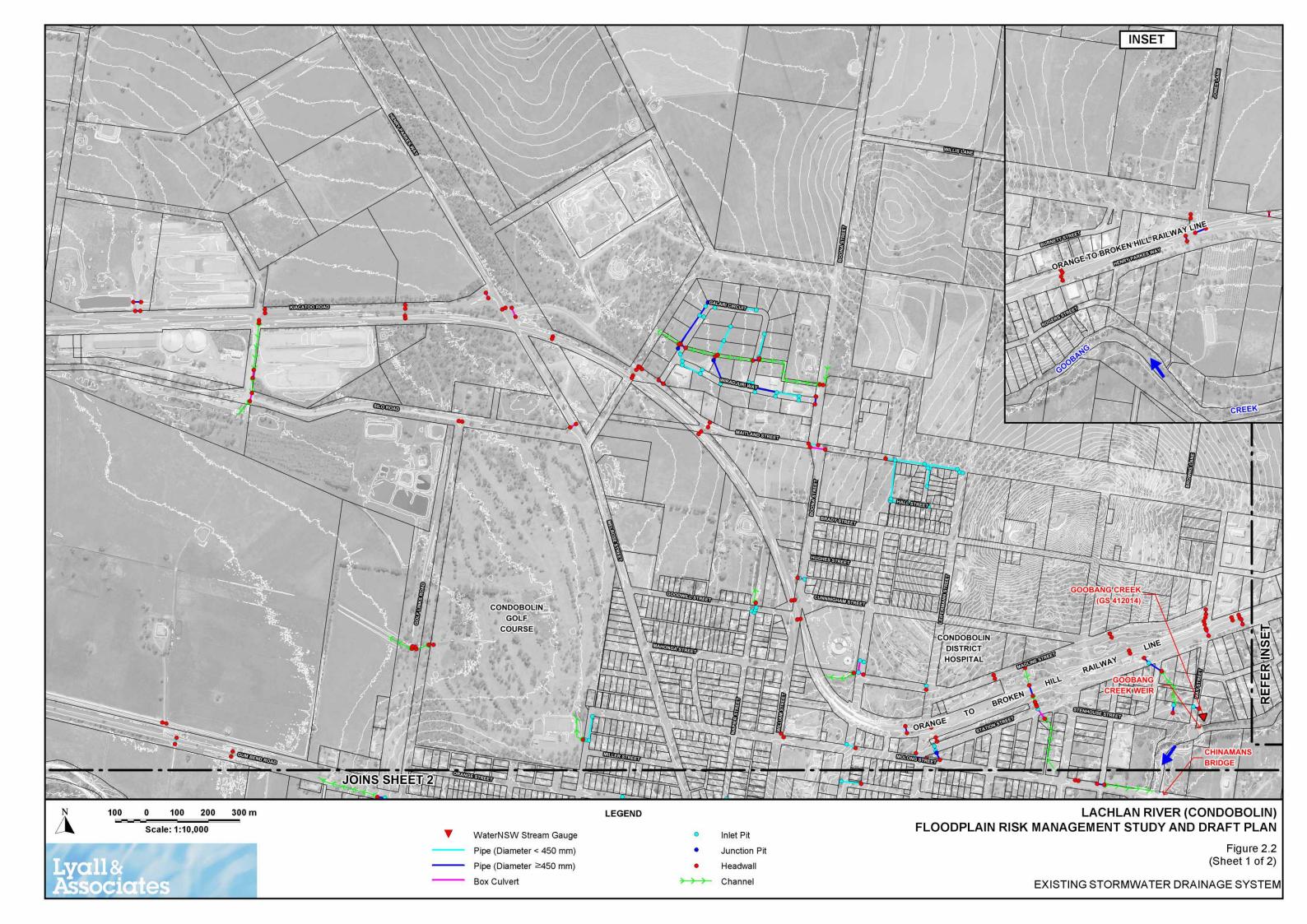
VOLUME 2 – FIGURES AND APPENDICES

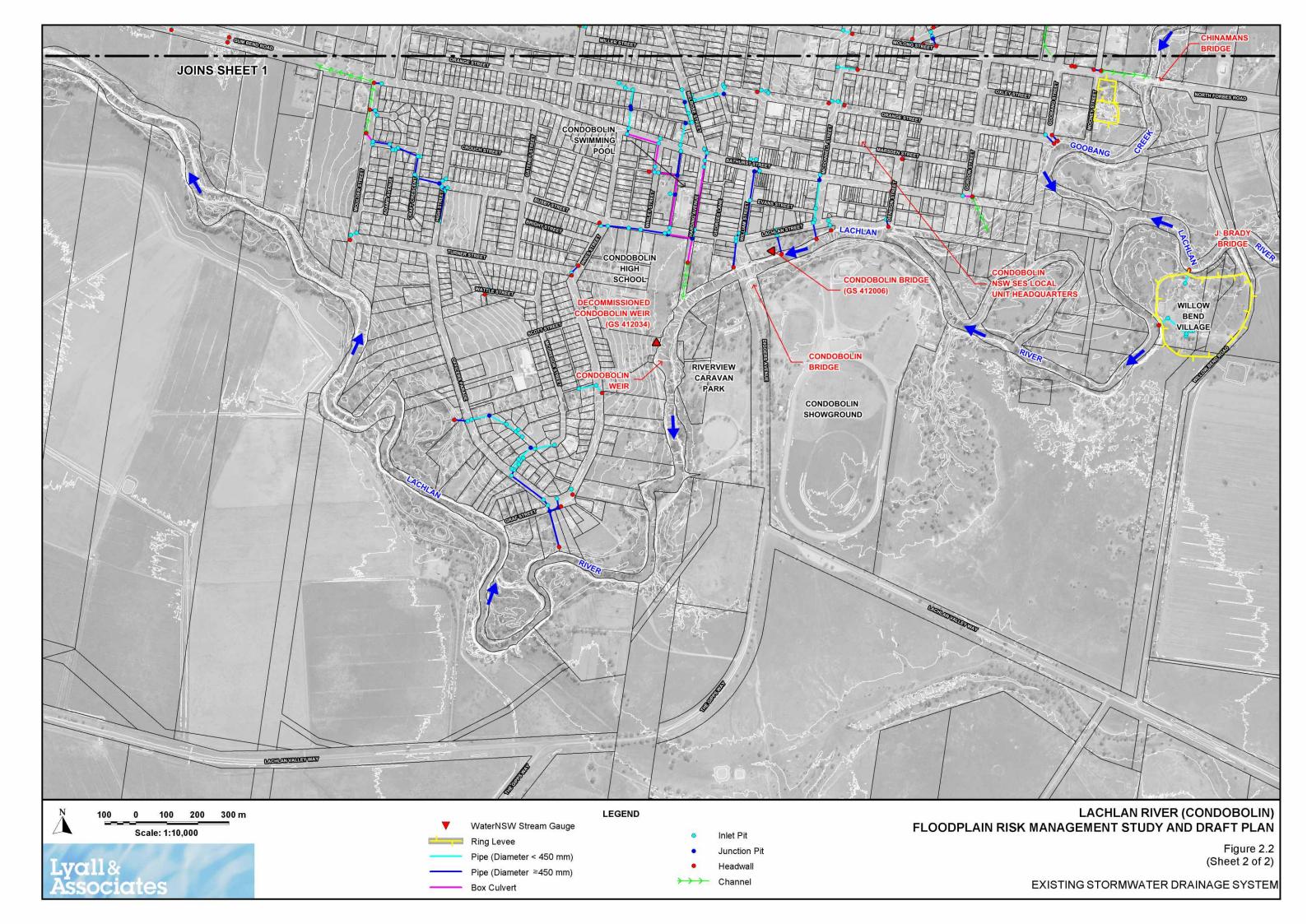
LIST OF FIGURES

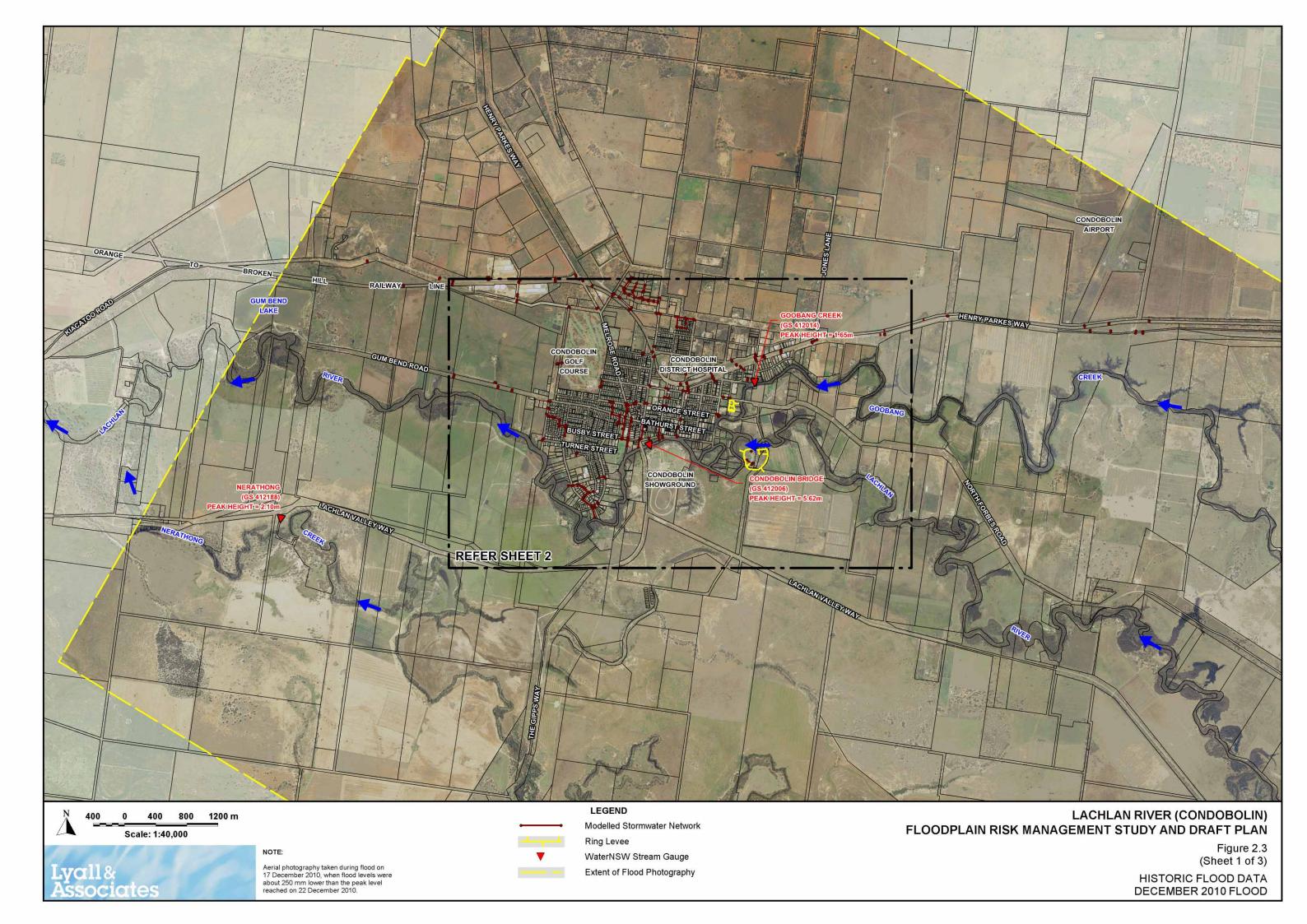
- 1.1 Location Plan
- 2.1 Study Location Plan
- 2.2 Existing Stormwater Drainage System (2 Sheets)
- 2.3 Historic Flood Data December 2010 Flood (3 Sheets)
- 2.4 Historic Flood Data March 2012 Flood (3 Sheets)
- 2.5 Indicative Extent of Main Stream Flooding and Location of Critical Infrastructure at Condobolin Design Flood Events (4 Sheets)
- 2.6 Indicative Extent and Depths of Inundation 1% AEP Event (3 Sheets)
- 2.7 Indicative Extent and Depths of Inundation Extreme Flood (3 Sheets)
- 2.8 Stage Hydrographs at Low Points in Major Roads (3 Sheets)
- 2.9 Layout of Willow Bend Village Ring Levee
- 2.10 Design Water Surface Profiles Willow Bend Village Ring Levee
- 2.11 Flood Hazard and Hydraulic Categorisation of Floodplain (3 Sheets)
- 2.12 Lachlan LEP 2013 Zoning at Condobolin
- 2.13 Potential Impact of Future Urbanisation on Flooding and Drainage Patterns 1% AEP (3 Sheets)
- 2.14 Potential Impact of Climate Change on Flooding and Drainage Patterns 1% AEP (3 Sheets)
- 3.1 Flood Emergency Response Planning Classifications 1% AEP (3 Sheets)
- 3.2 Flood Emergency Response Planning Classifications Extreme Flood (3 Sheets)

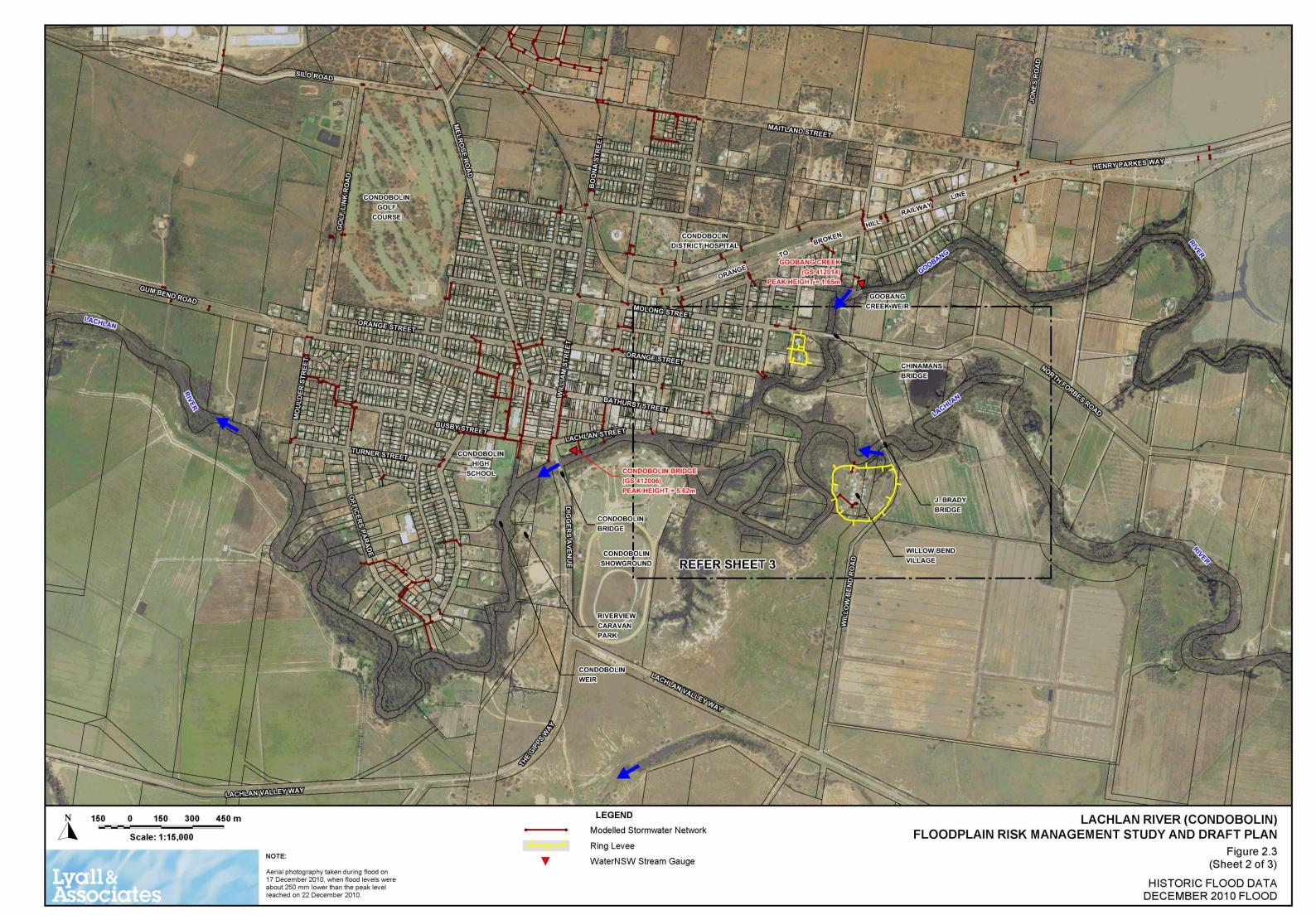














Aerial photography taken during flood on 17 December 2010, when flood levels were about 250 mm lower than the peak level reached on 22 December 2010.

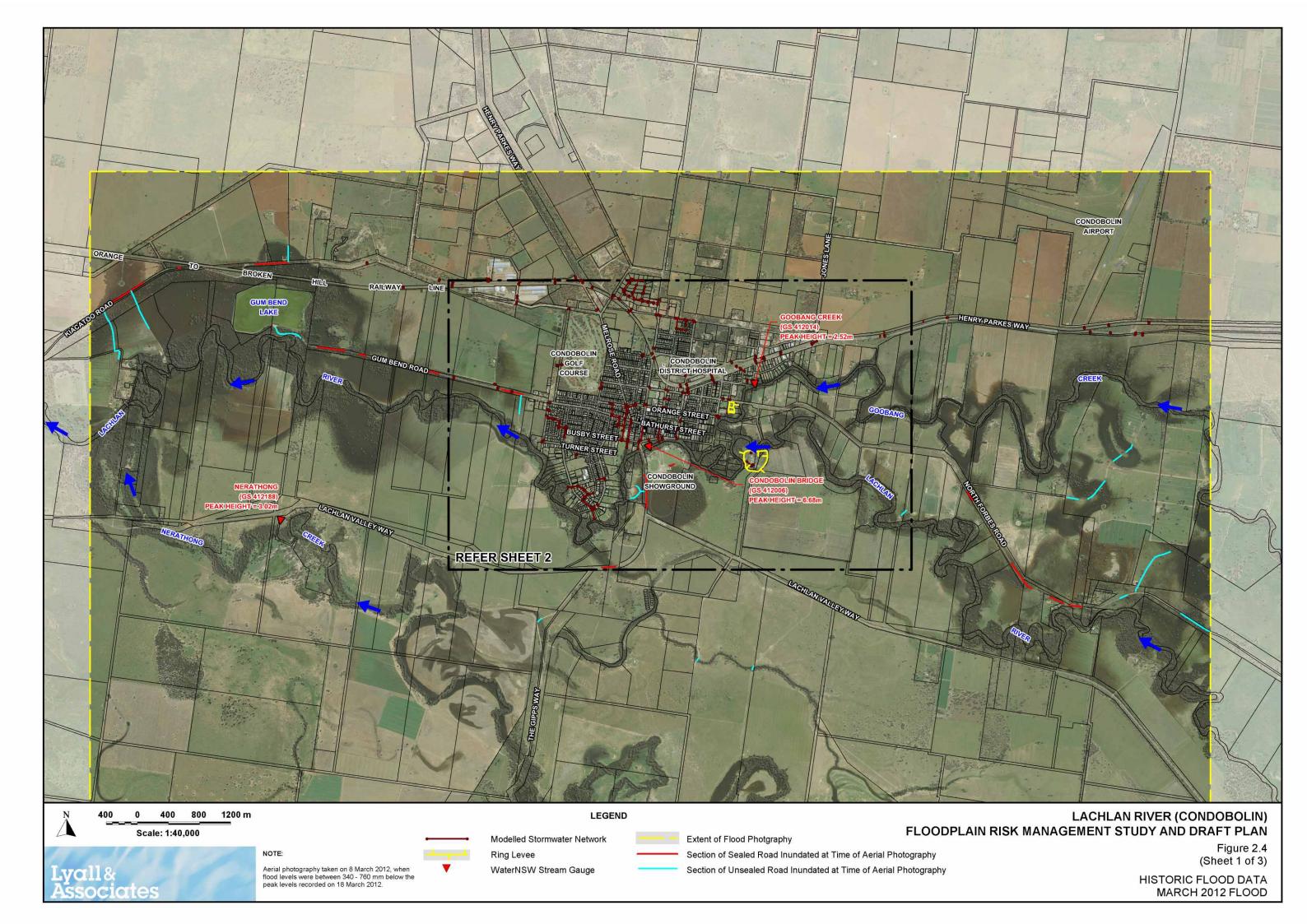
Modelled Stormwater Network

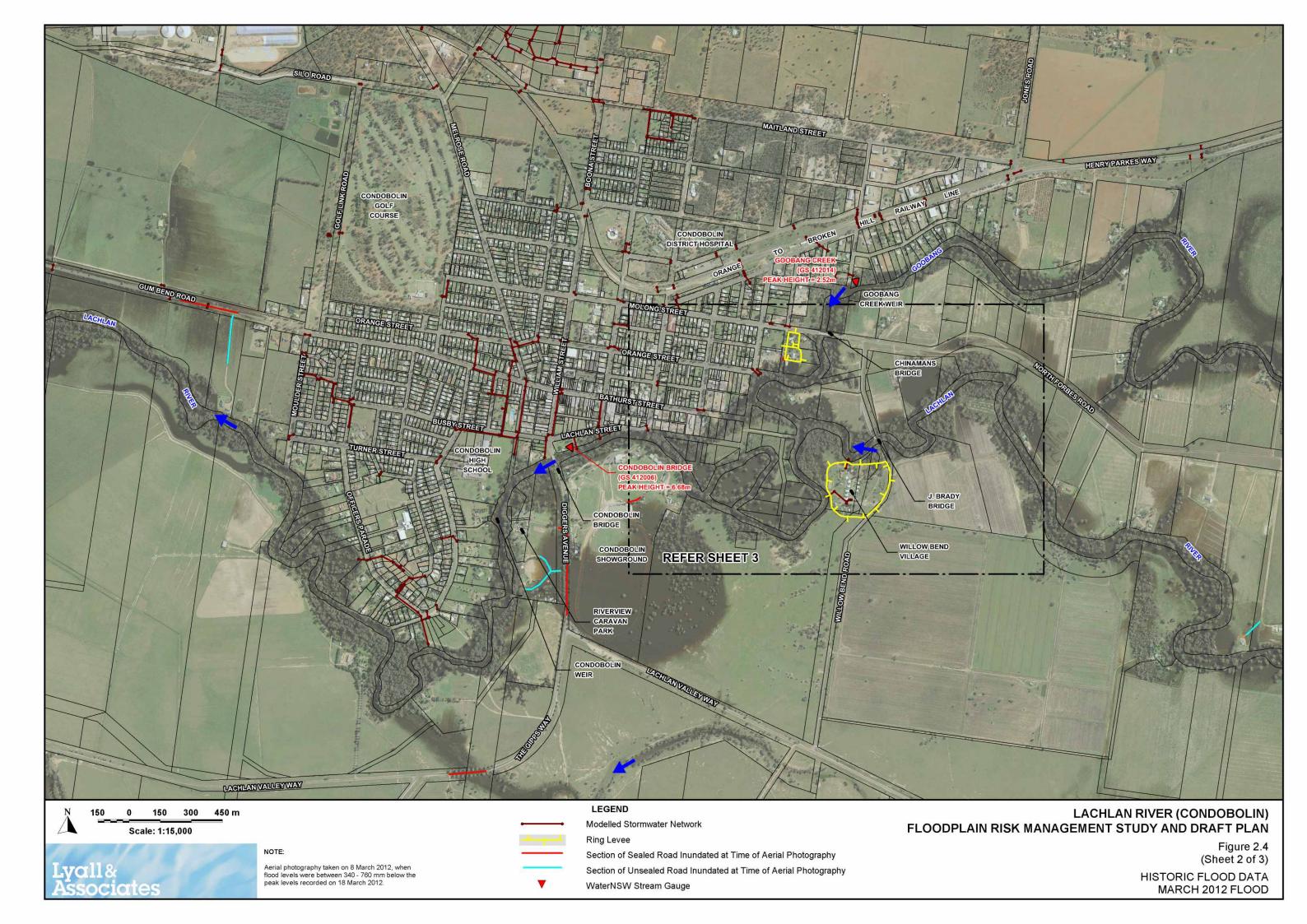
Ring Levee

FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

Figure 2.3 (Sheet 3 of 3)

HISTORIC FLOOD DATA DECEMBER 2010 FLOOD





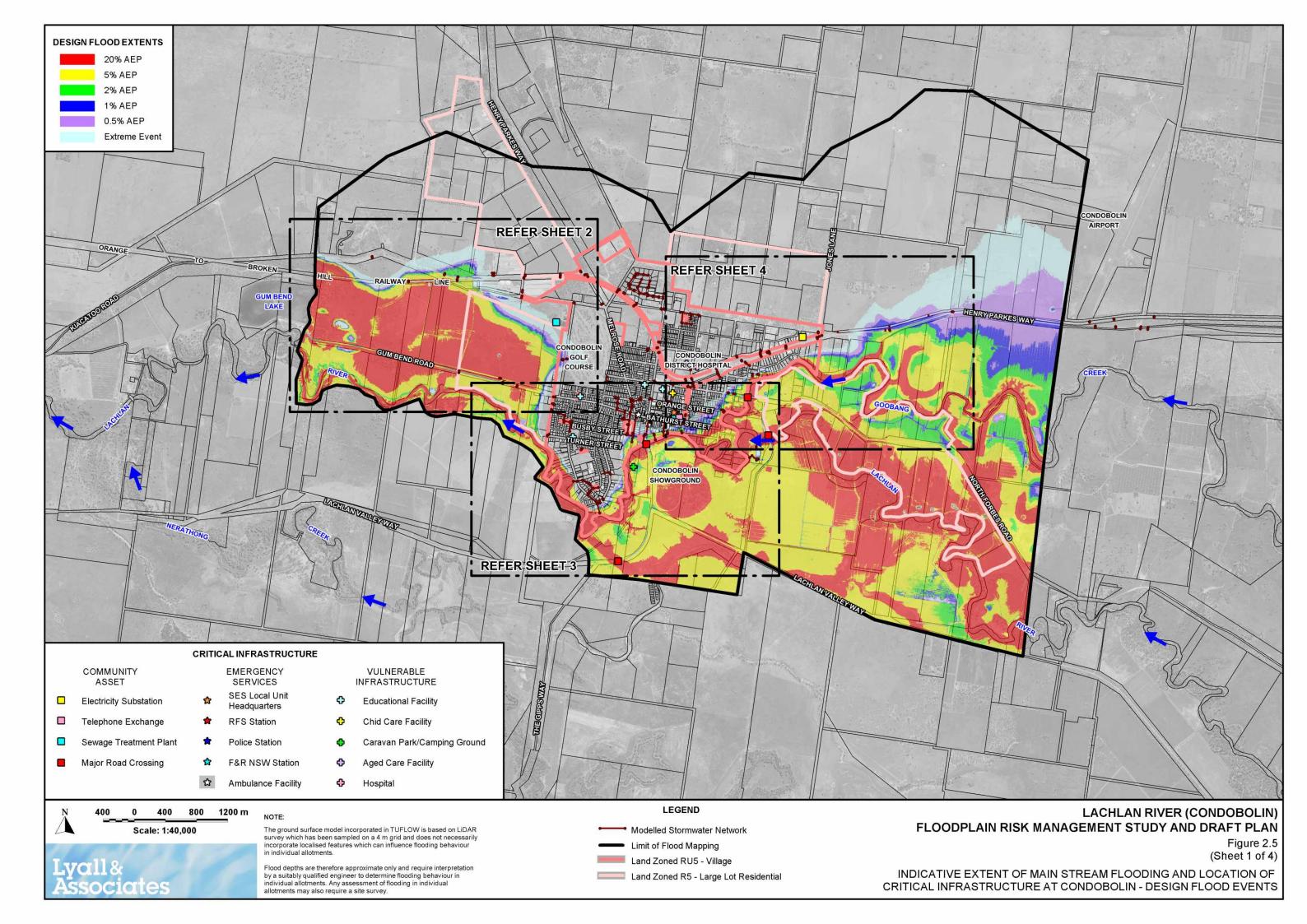


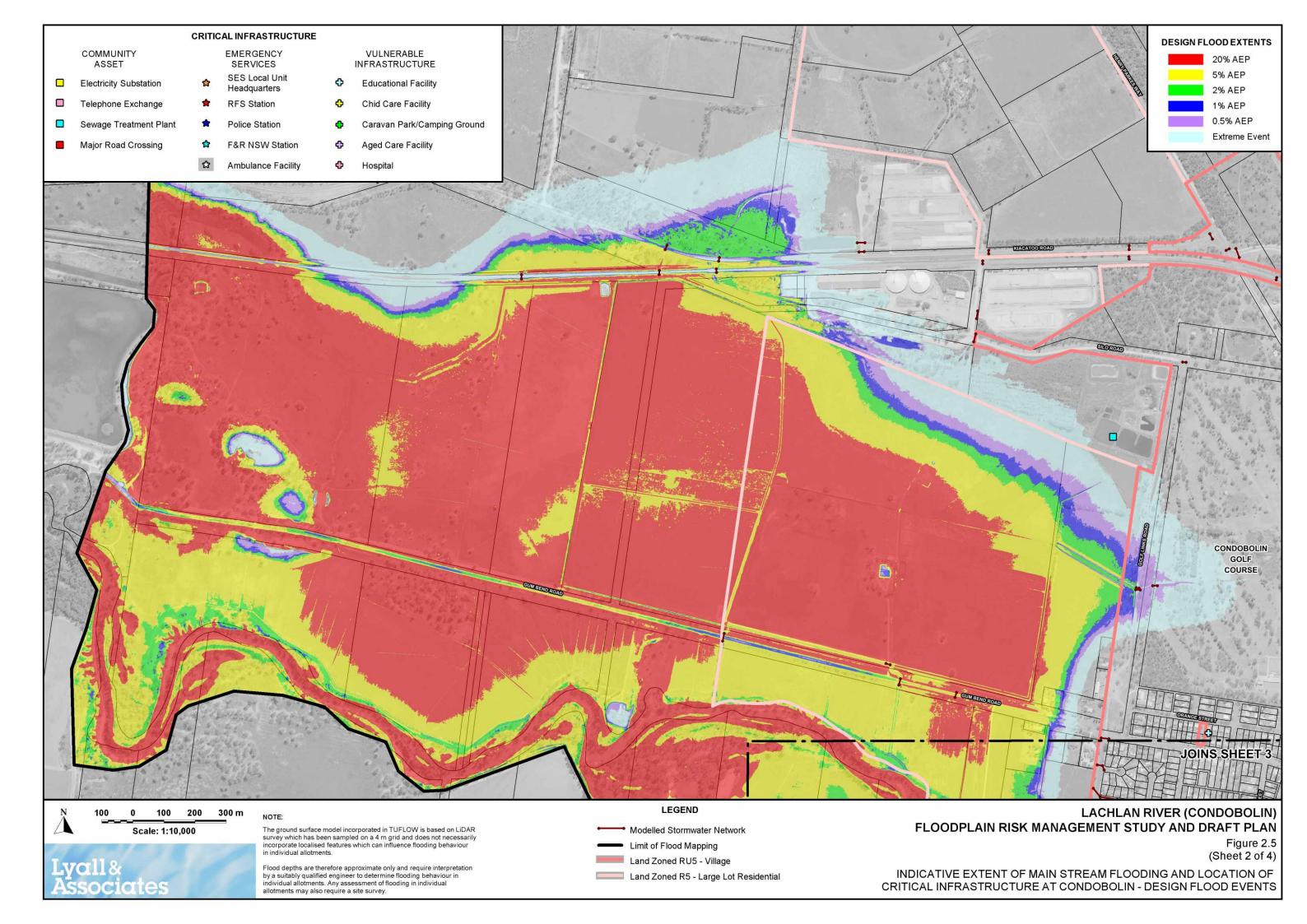
Aerial photography taken on 8 March 2012, when flood levels were between 340 - 760 mm below the peak levels recorded on 18 March 2012.

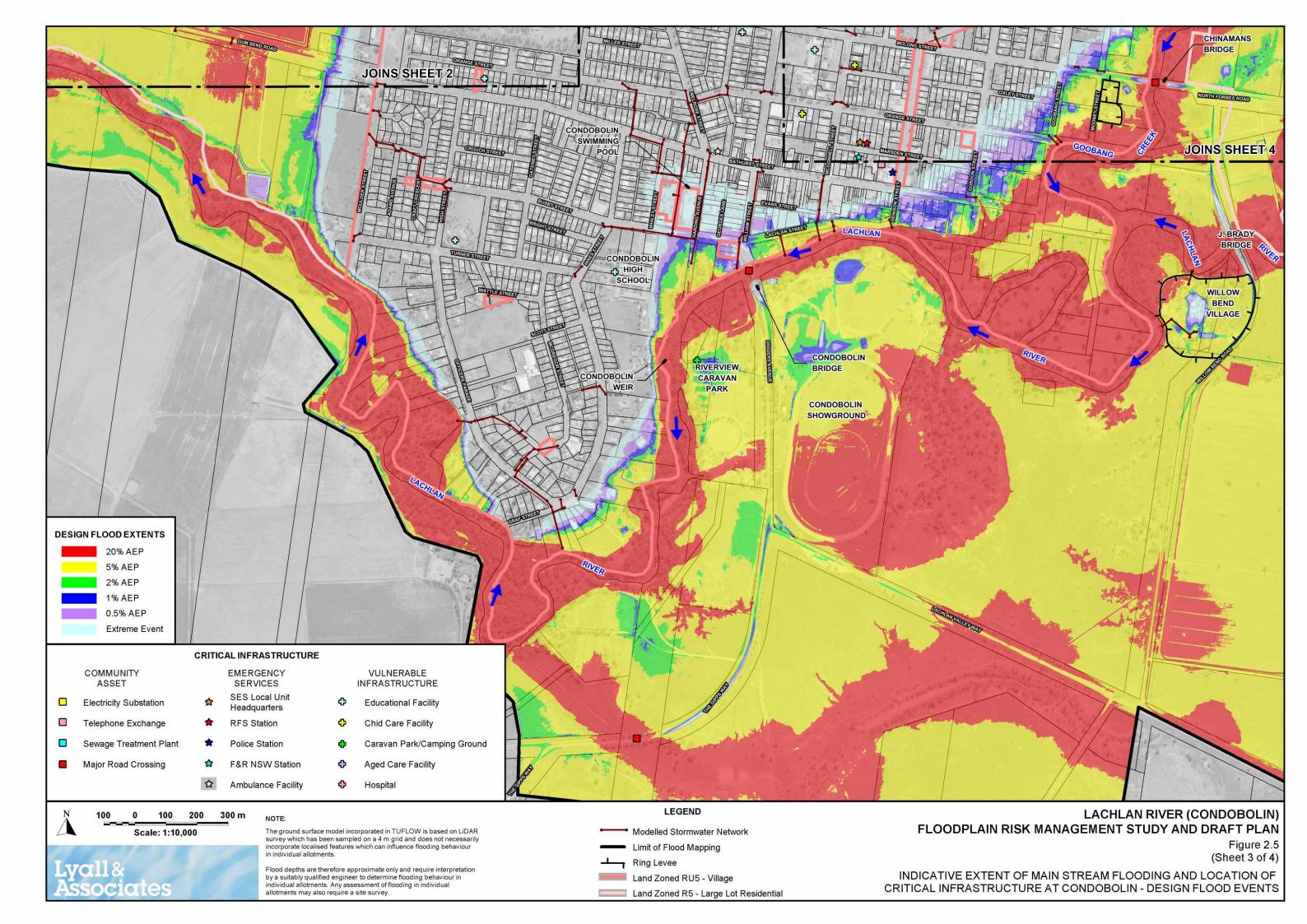
Ring Levee

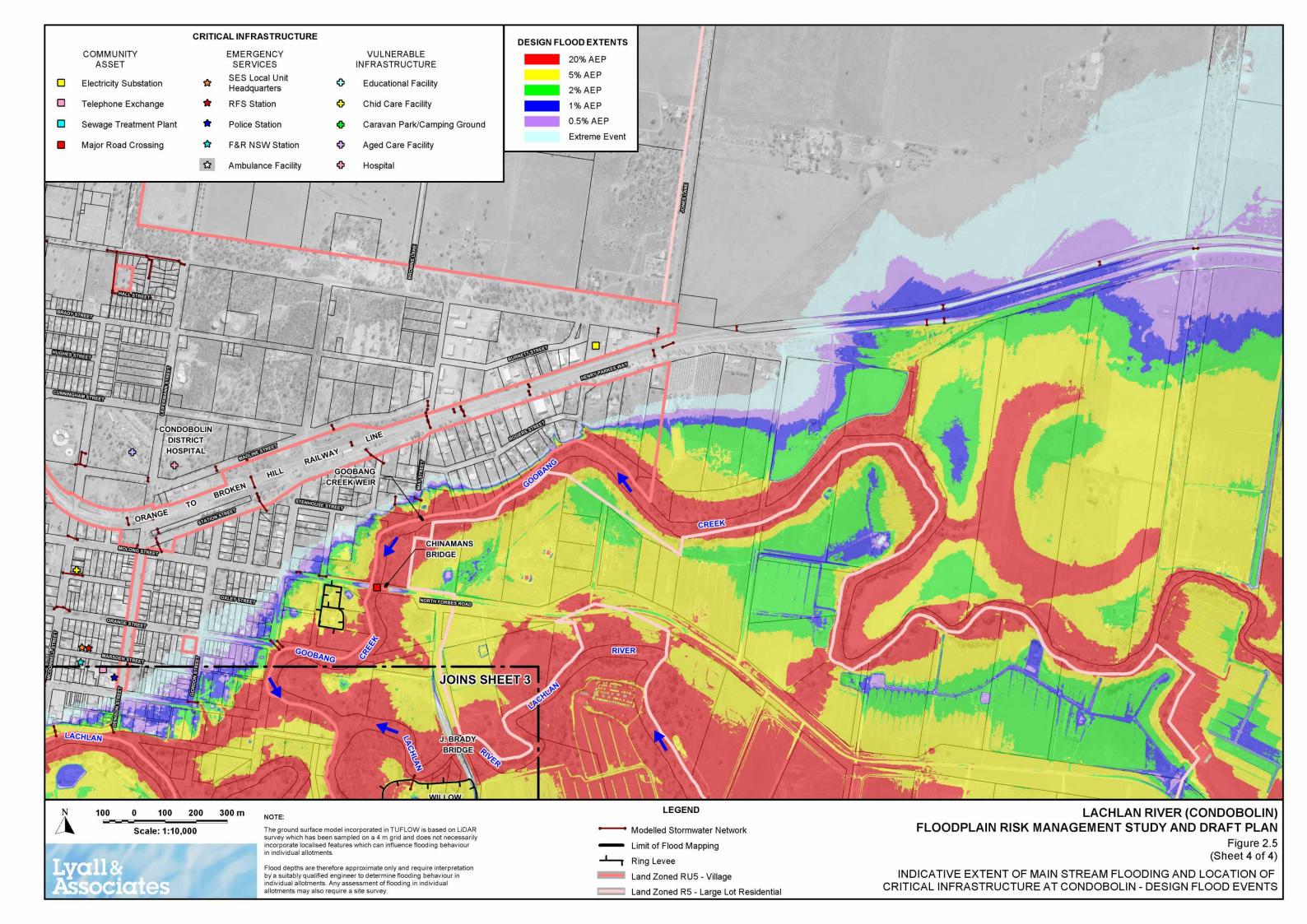
Section of Sealed Road Inundated at Time of Aerial Photography Section of Unsealed Road Inundated at Time of Aerial Photography

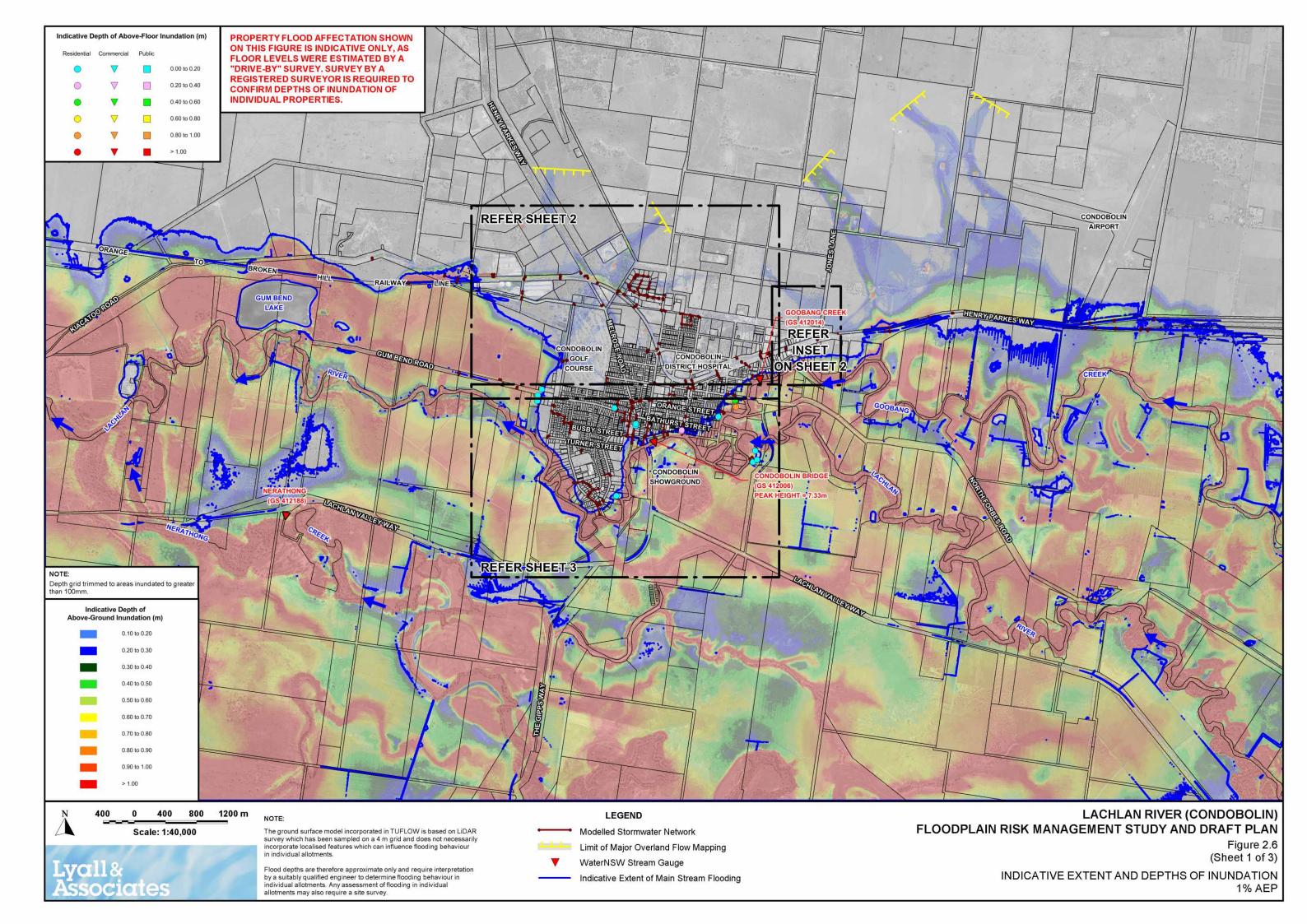
Figure 2.4 (Sheet 3 of 3) HISTORIC FLOOD DATA MARCH 2012 FLOOD

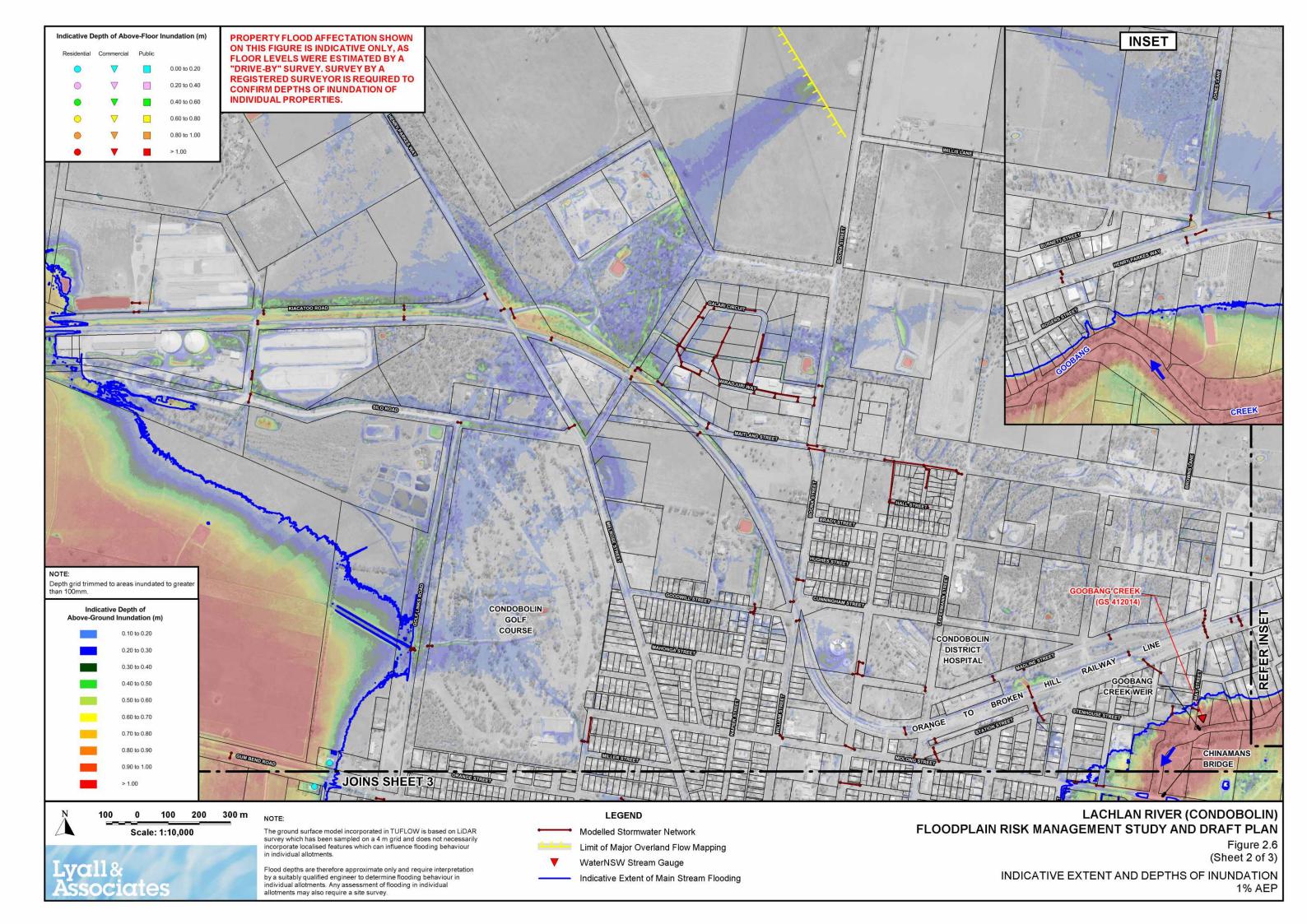


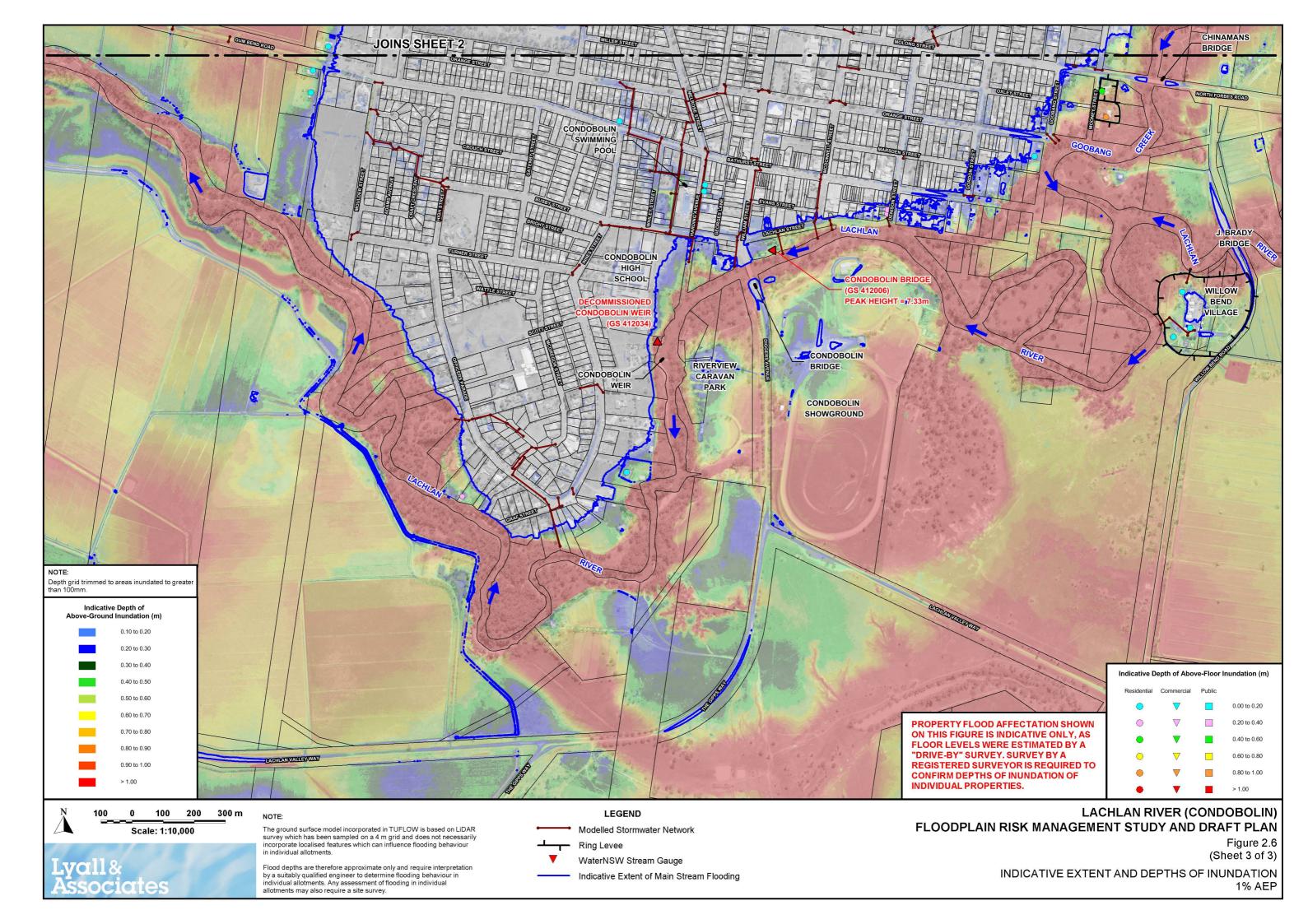


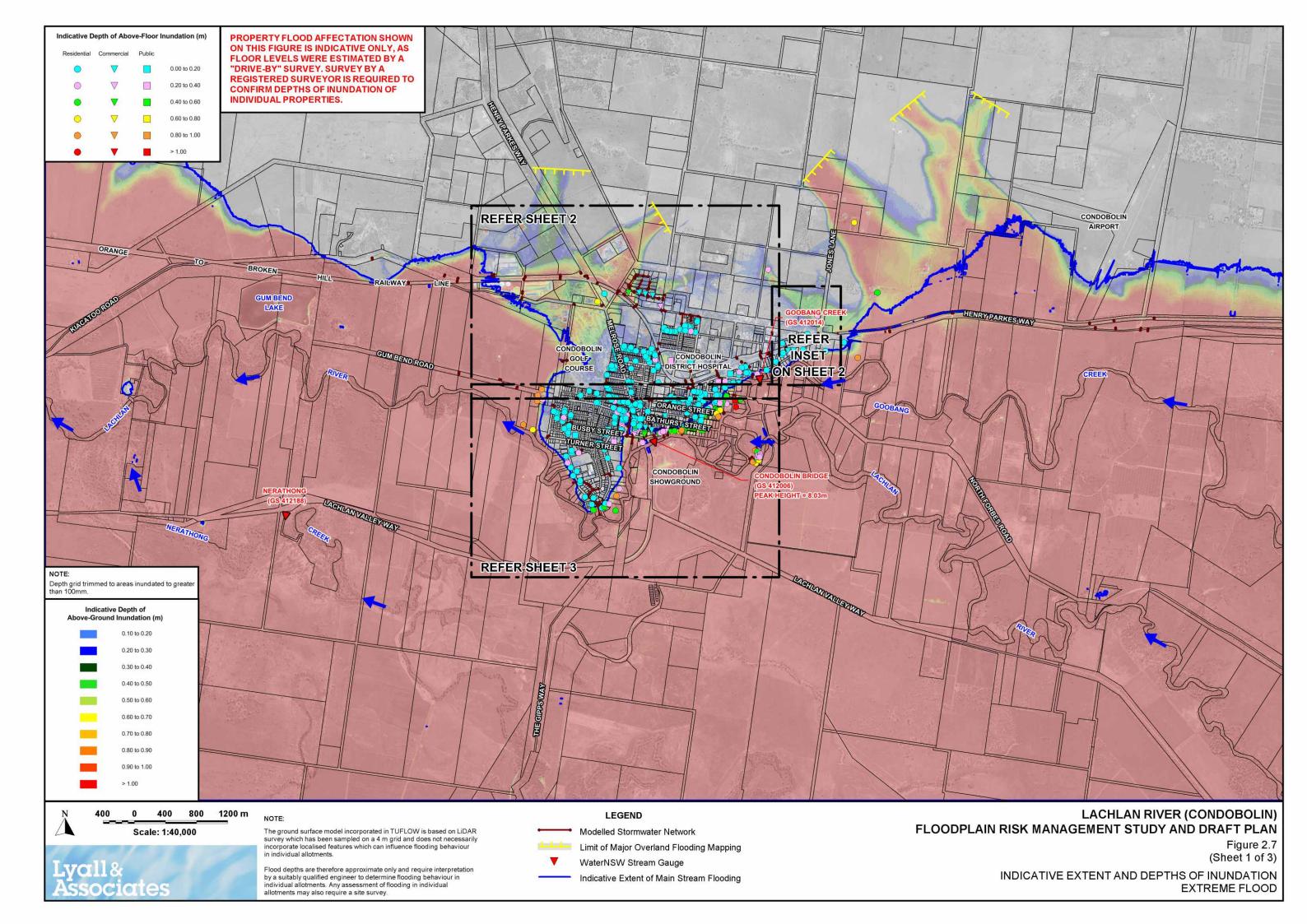


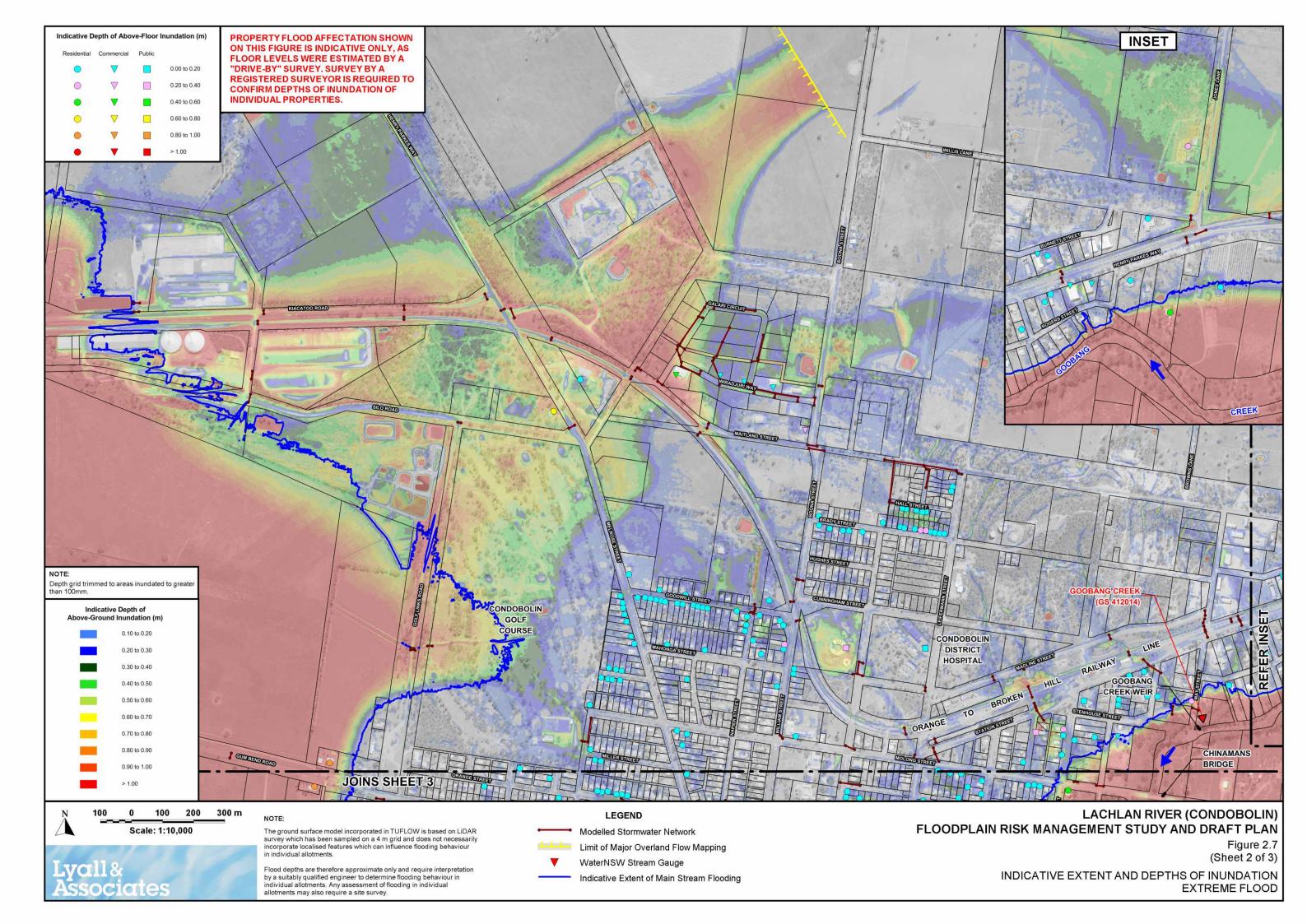


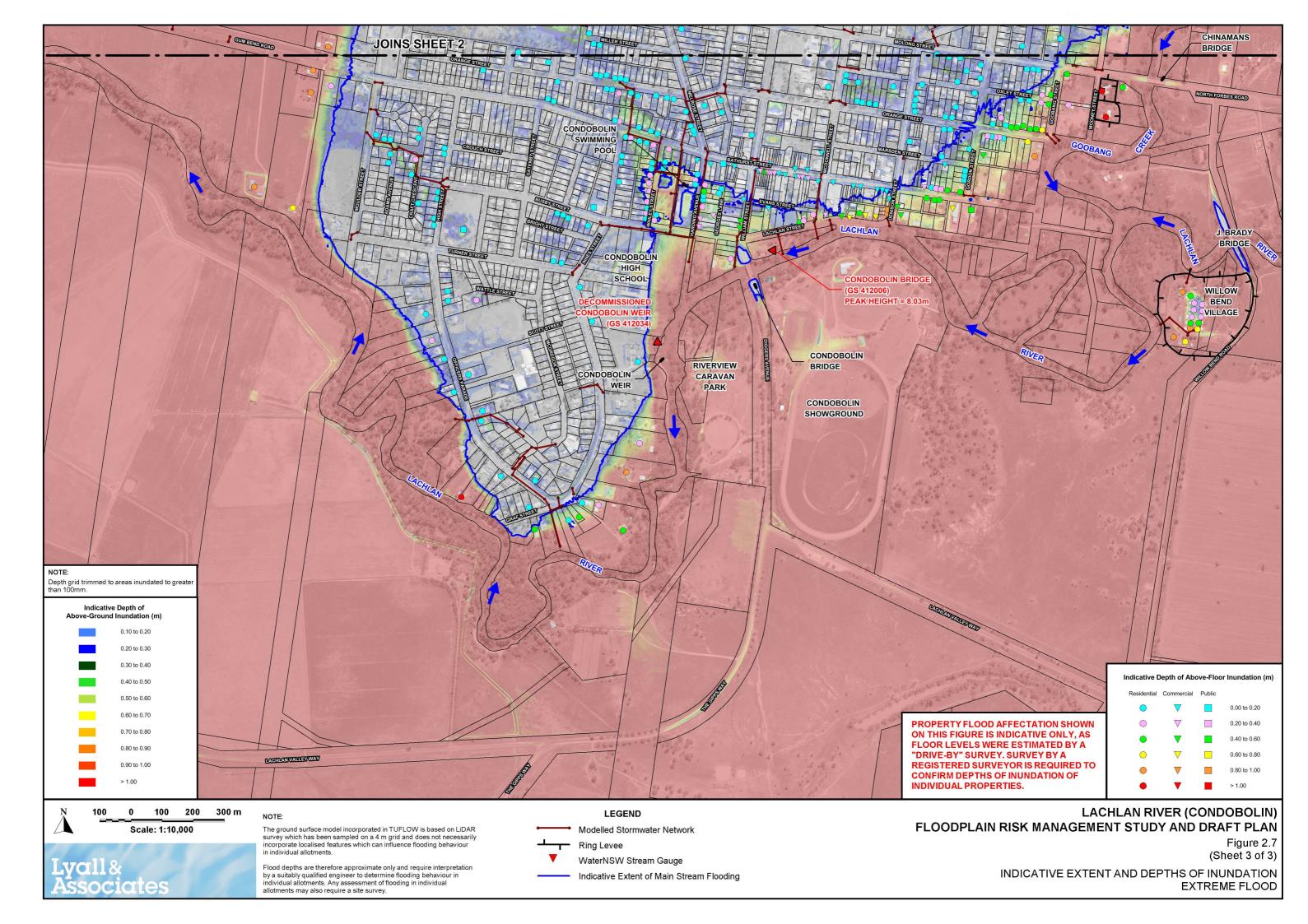


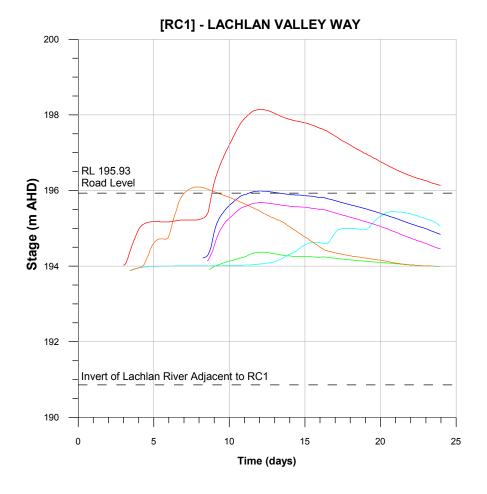


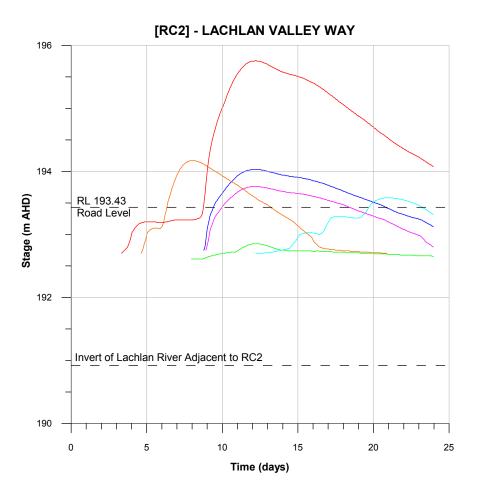


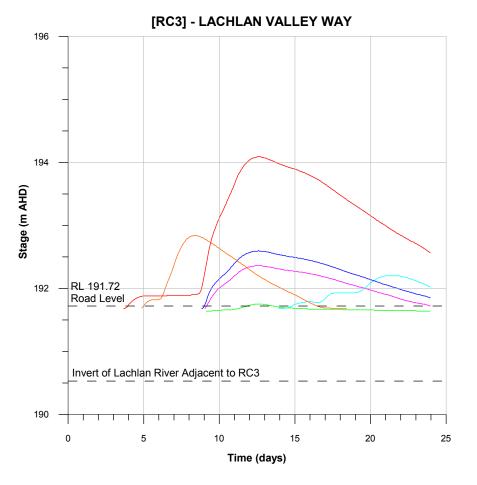


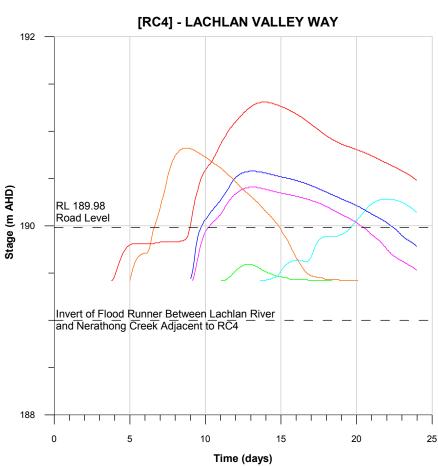


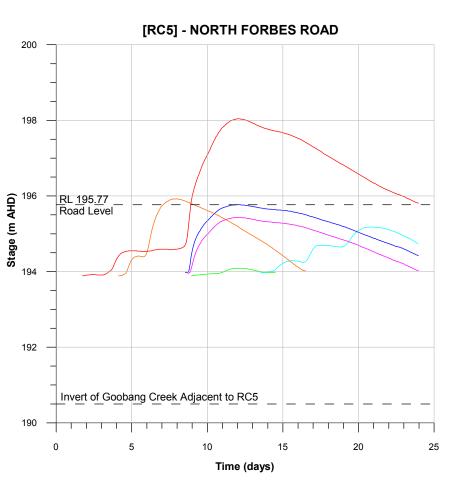


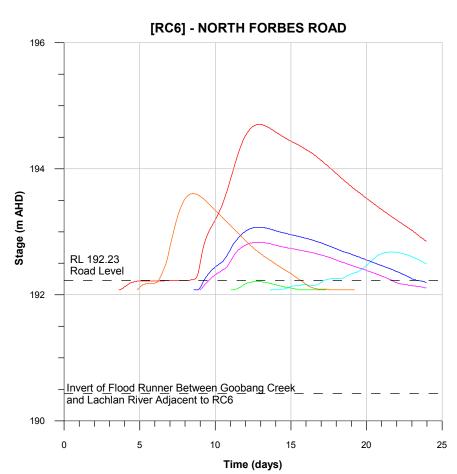




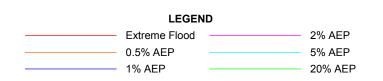








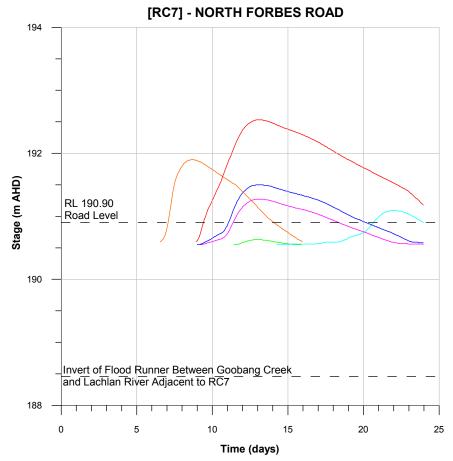
Refer to Figure 2.1 for locations of hydrographs.

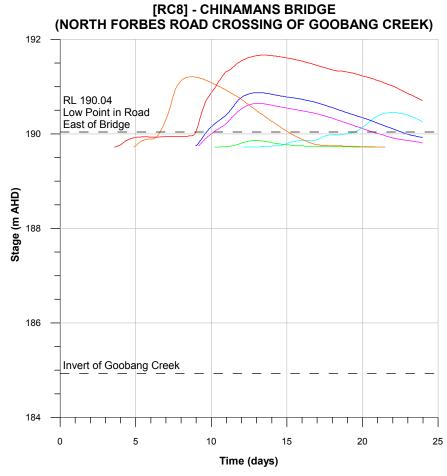


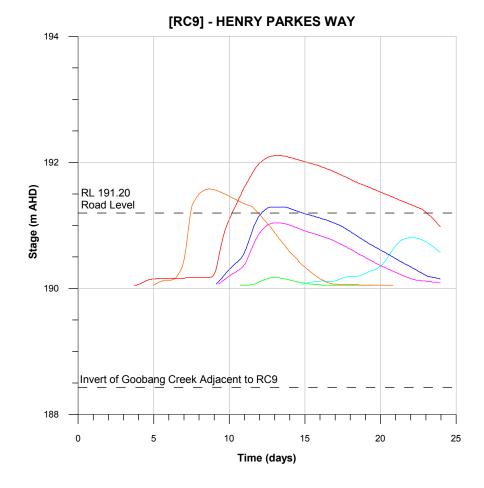
LACHLAN RIVER (CONDOBOLIN) FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

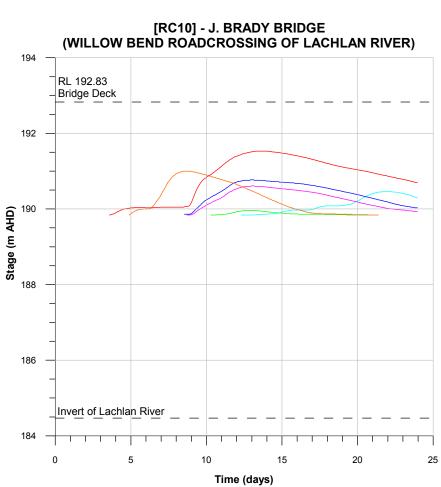
Figure 2.8 (Sheet 1 of 3)
STAGE HYDROGRAPHS AT LOW POINTS IN MAJOR ROADS

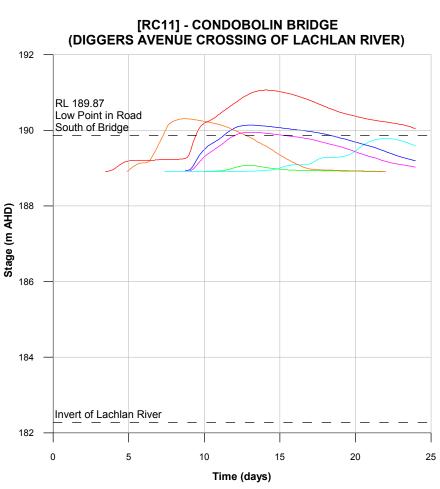


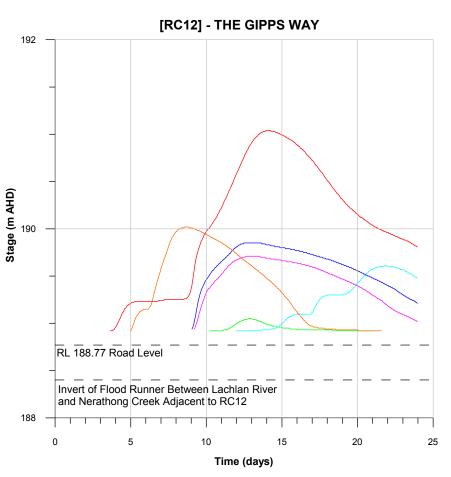






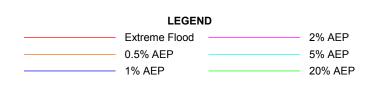






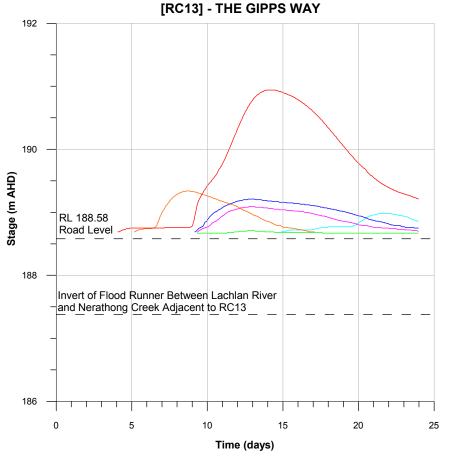


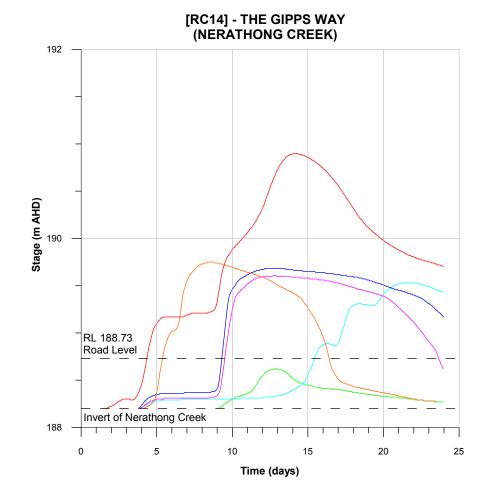
Refer to Figure 2.1 for locations of hydrographs.

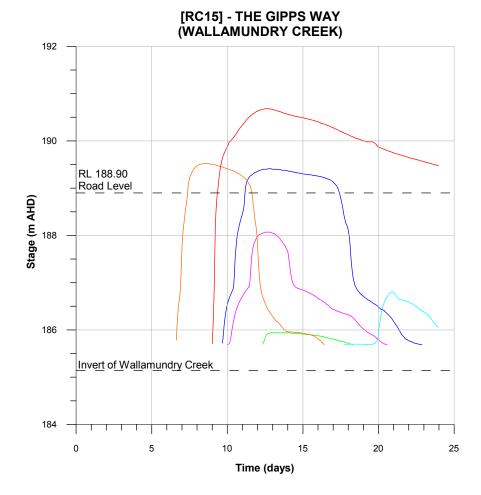


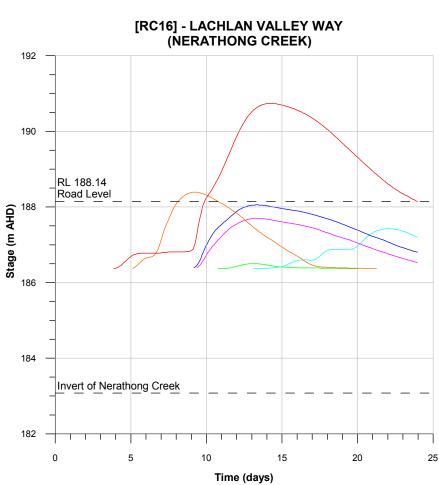
LACHLAN RIVER (CONDOBOLIN) FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

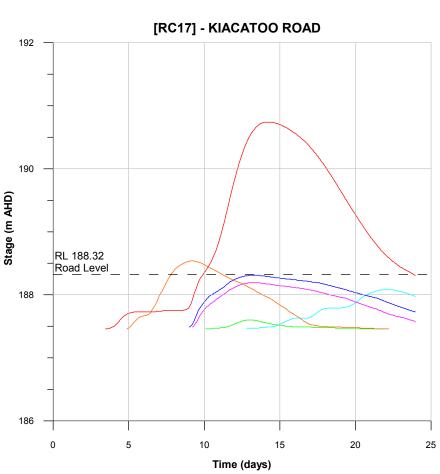
Figure 2.8 (Sheet 2 of 3)
STAGE HYDROGRAPHS AT LOW POINTS IN MAJOR ROADS

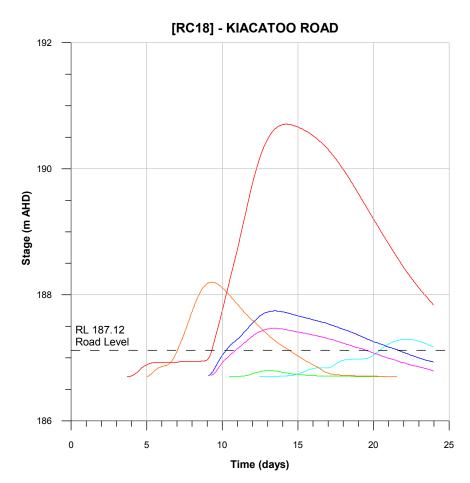




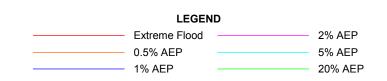






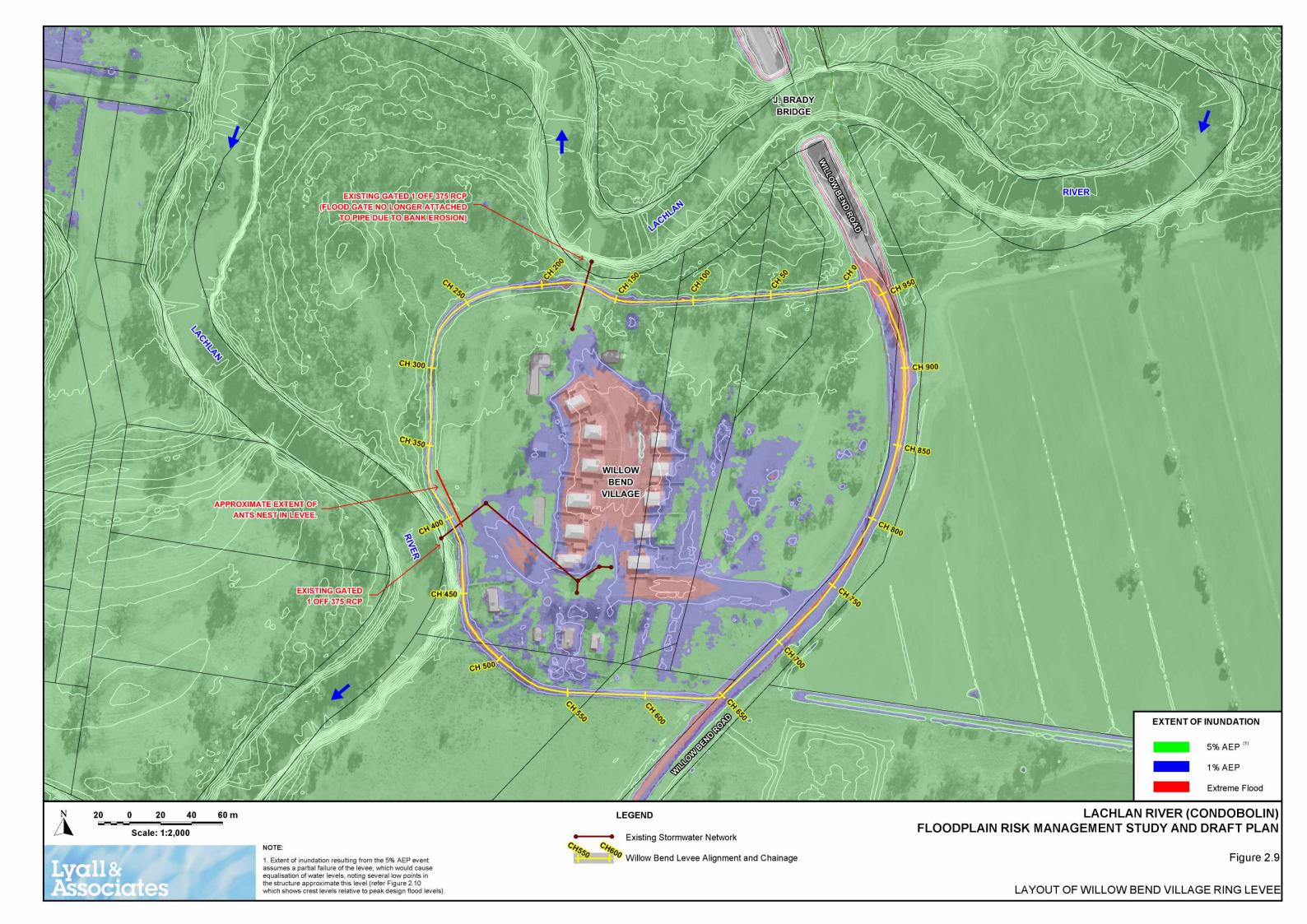


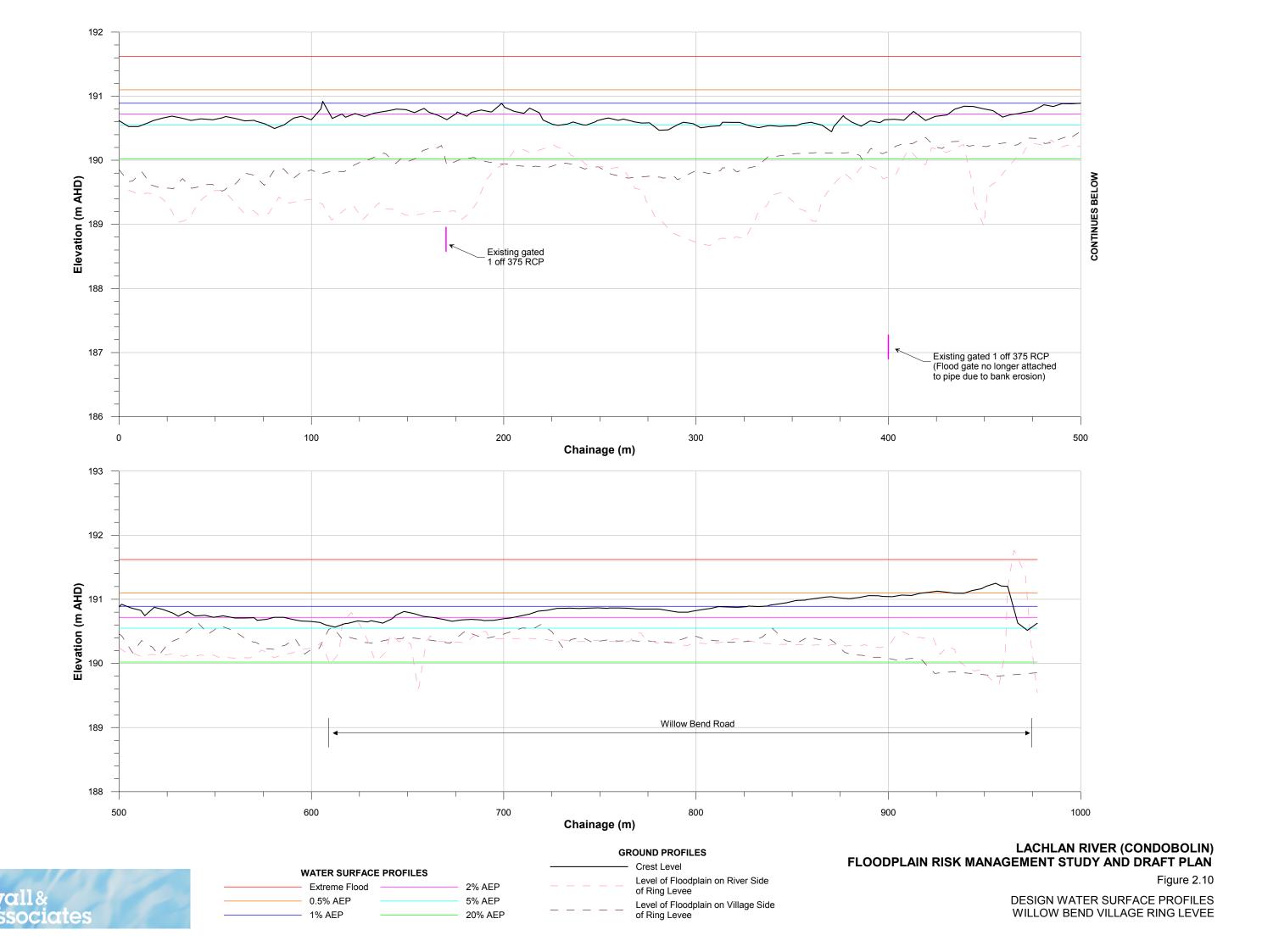
Refer to Figure 2.1 for locations of hydrographs.

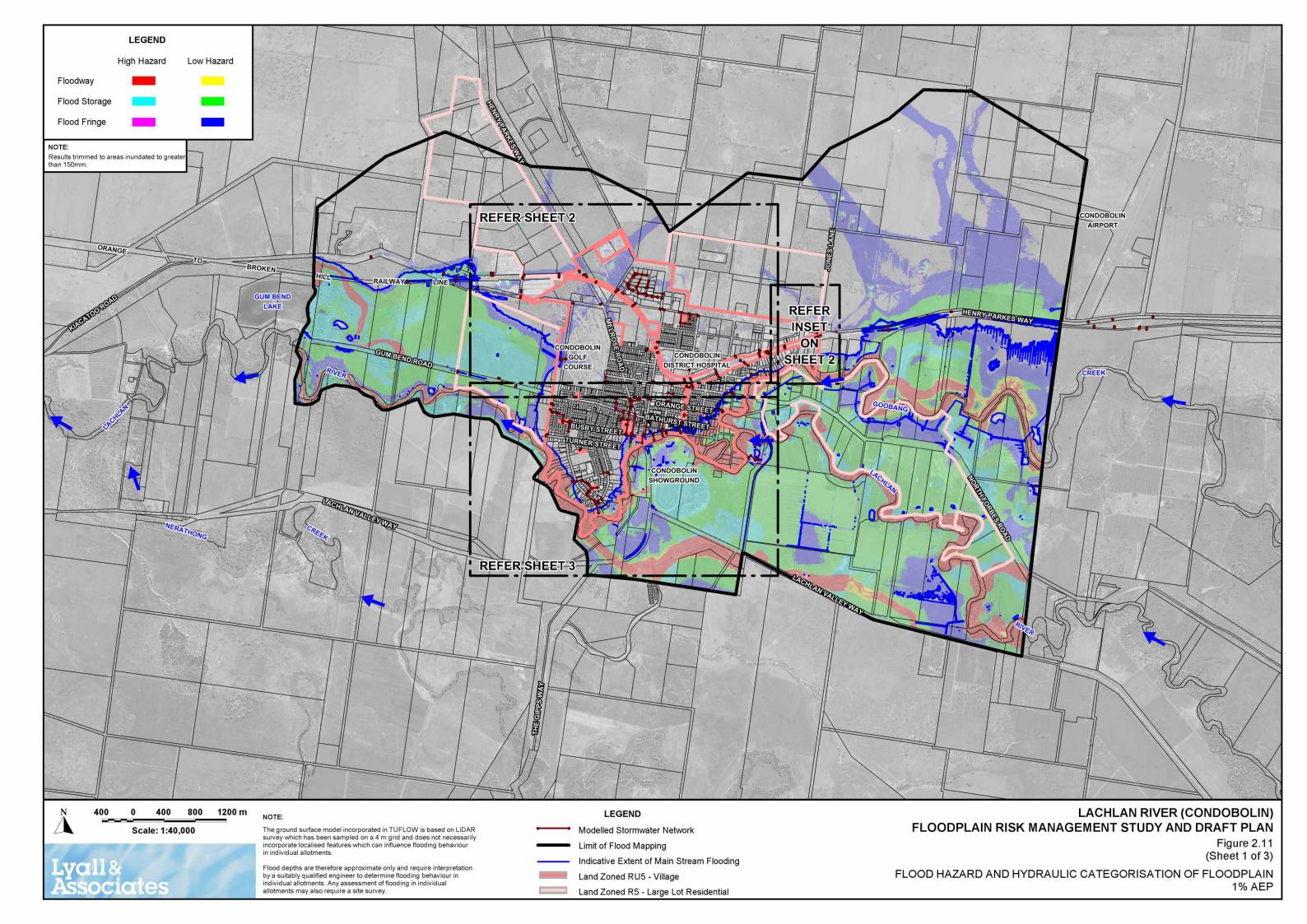


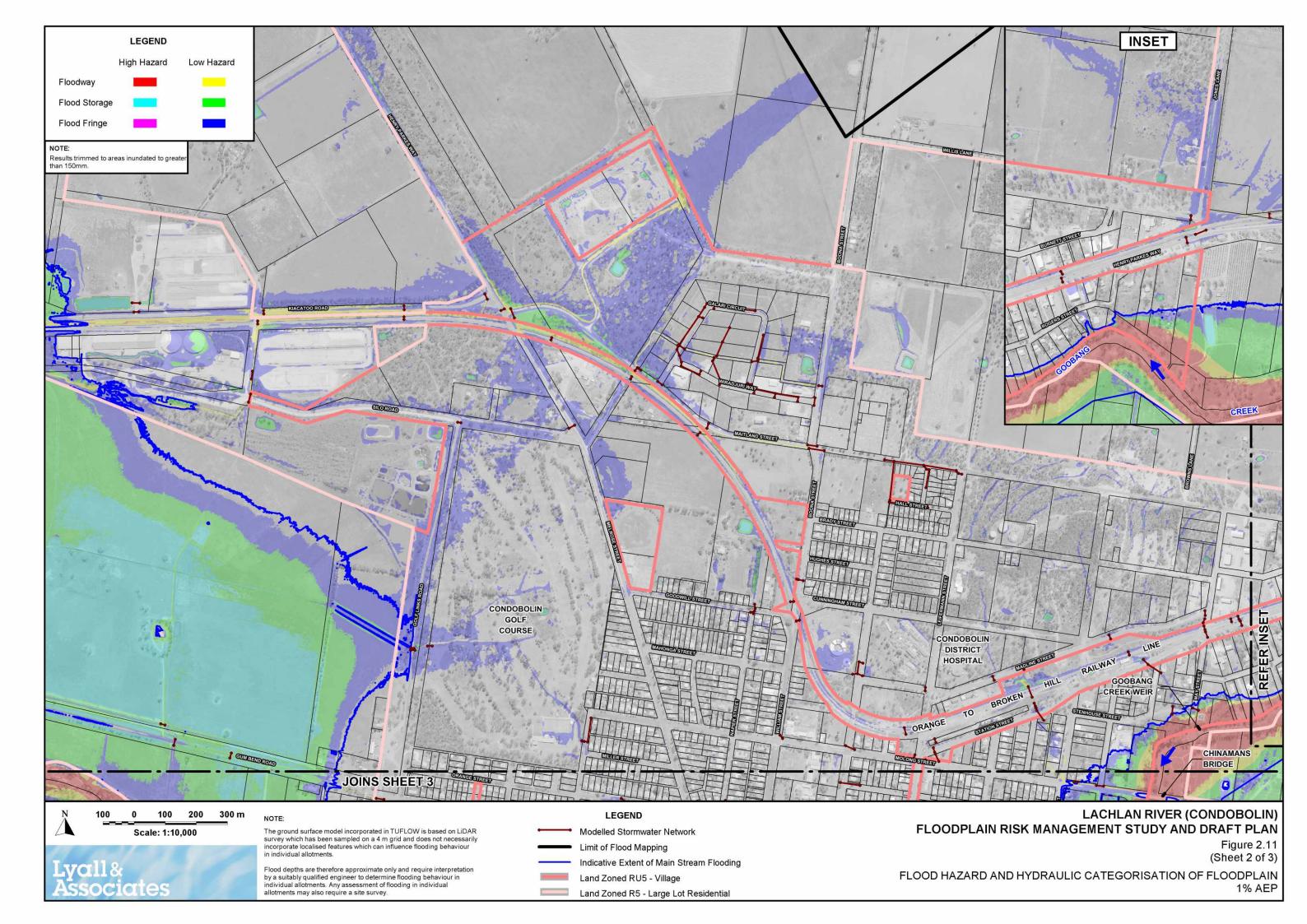
LACHLAN RIVER (CONDOBOLIN) FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

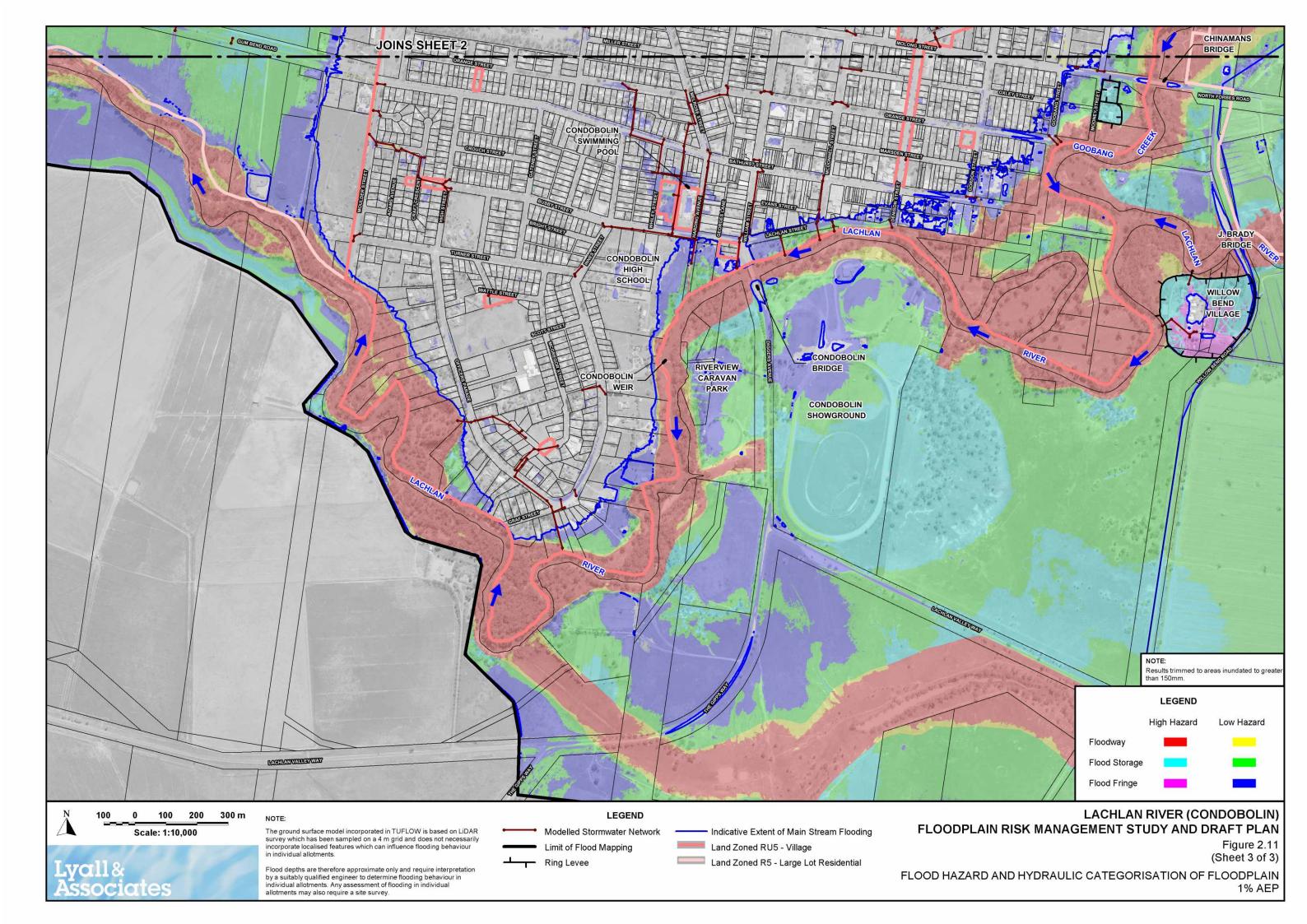
Figure 2.8 (Sheet 3 of 3)
STAGE HYDROGRAPHS AT LOW POINTS IN MAJOR ROADS

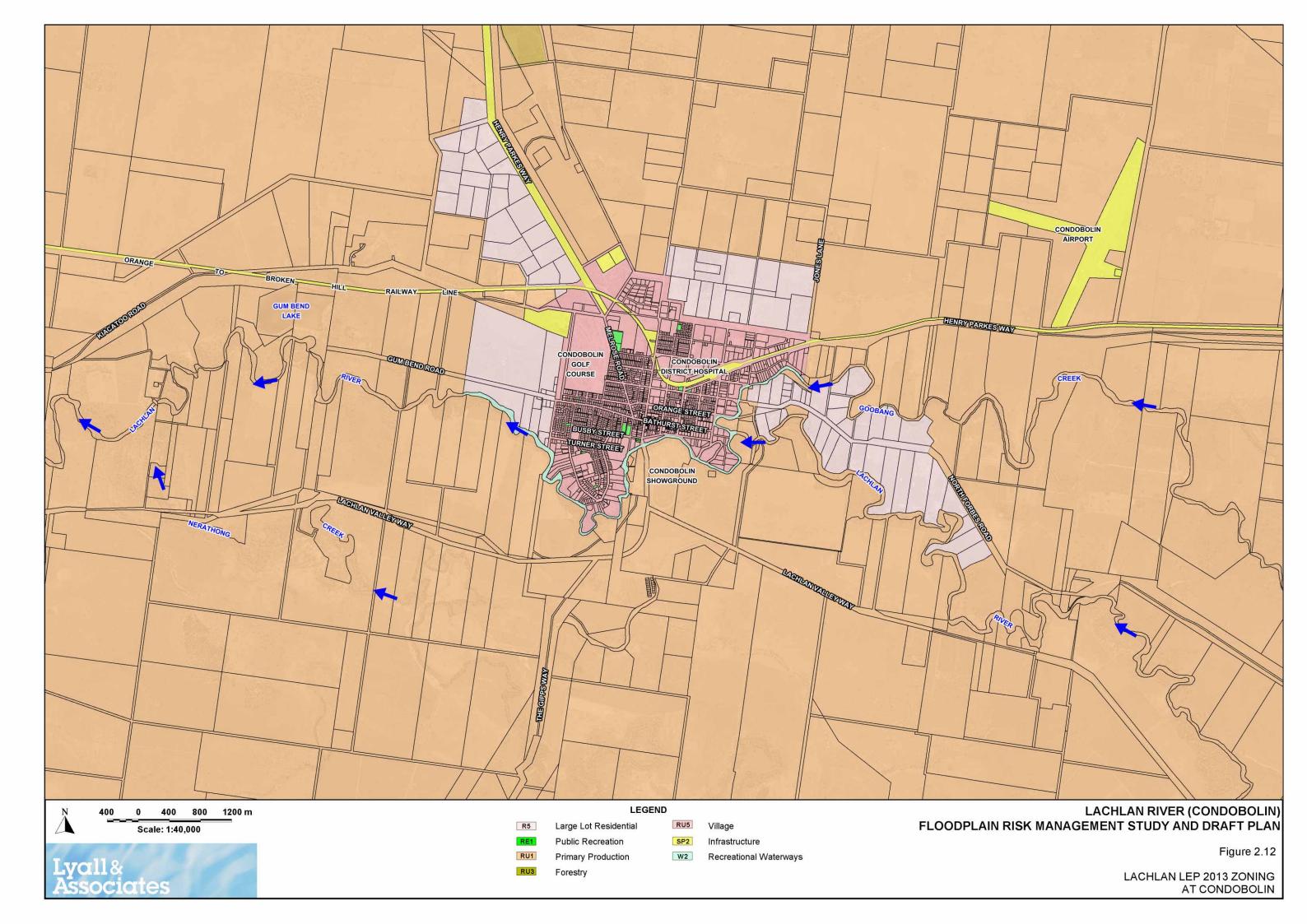


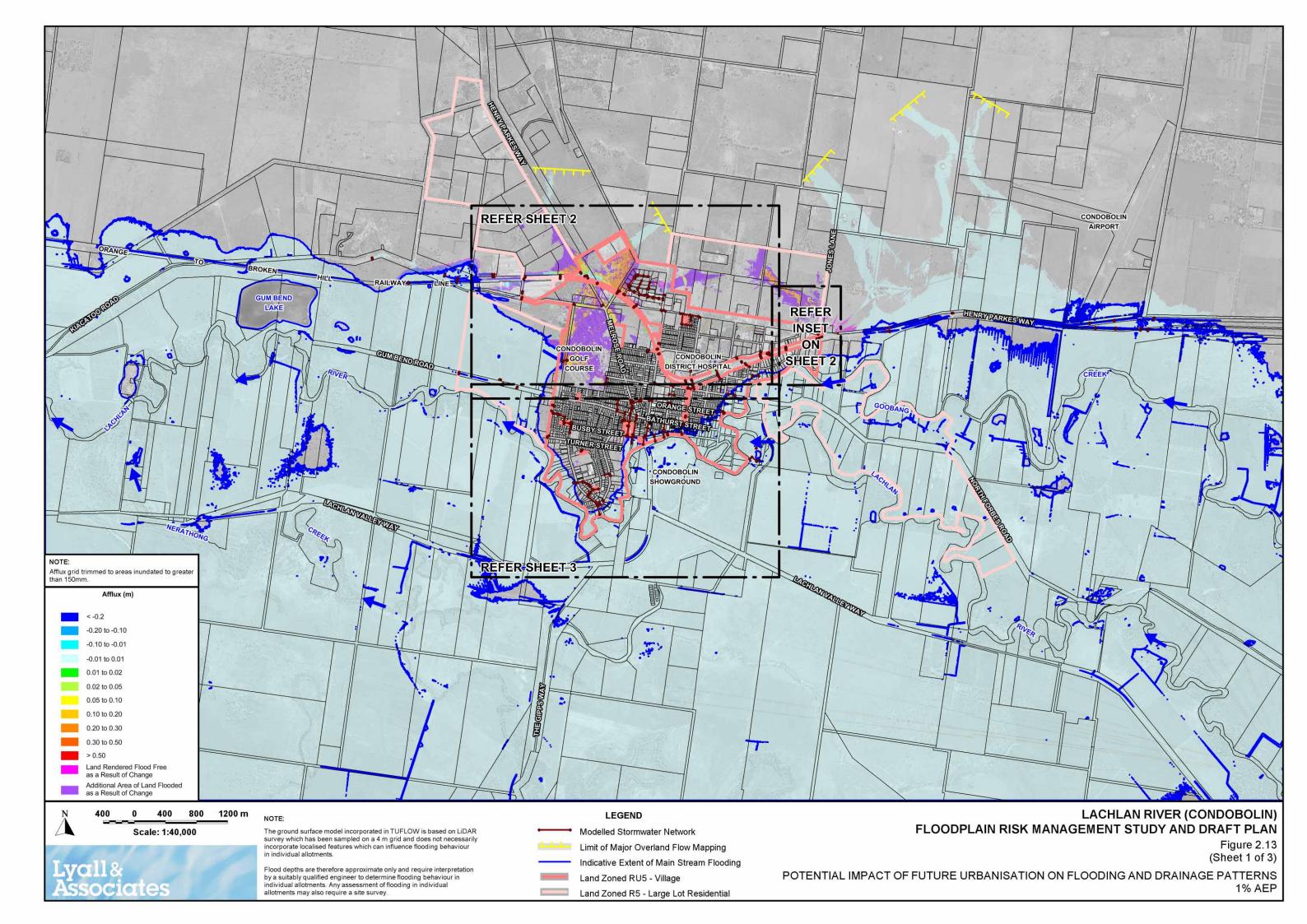


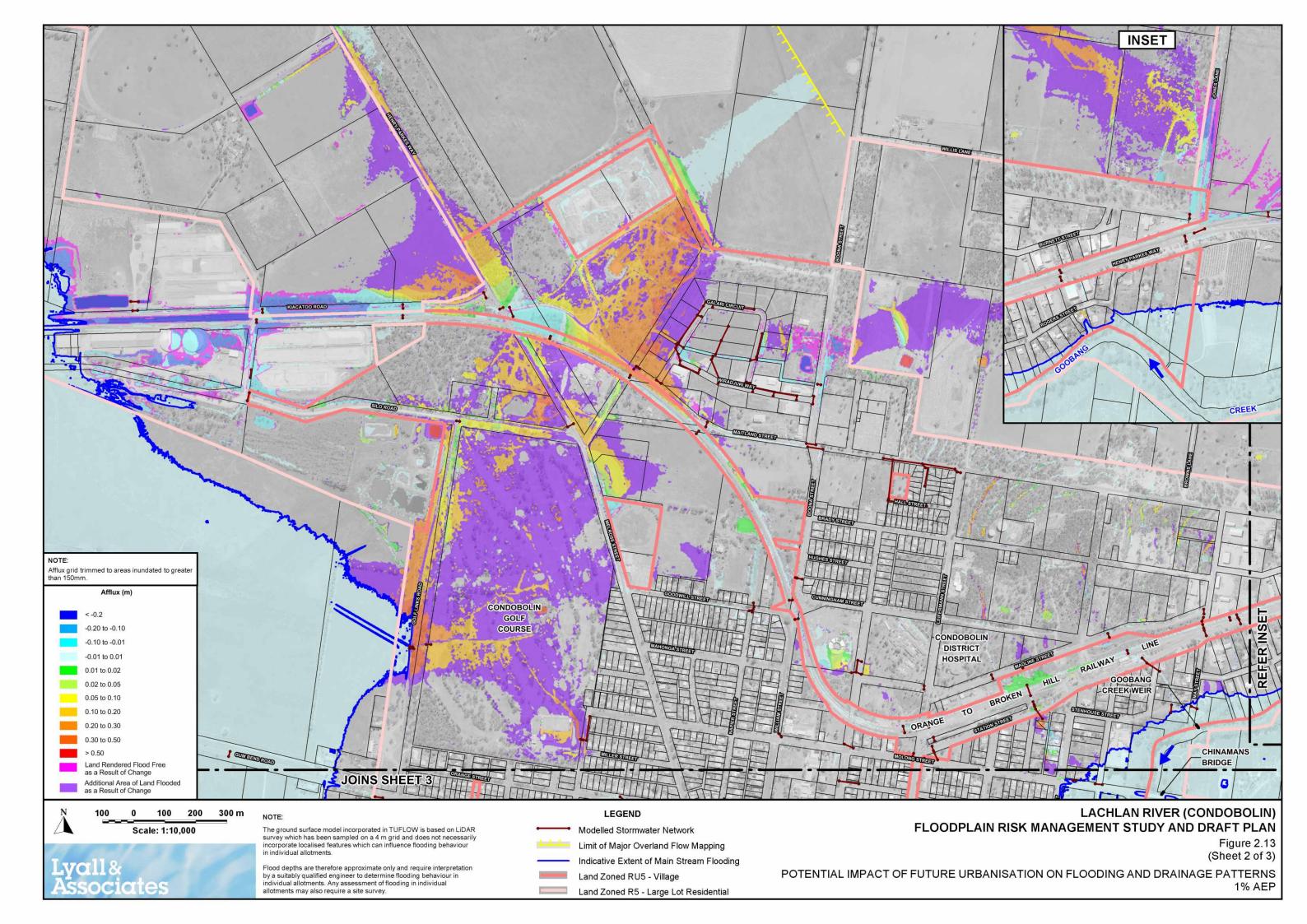


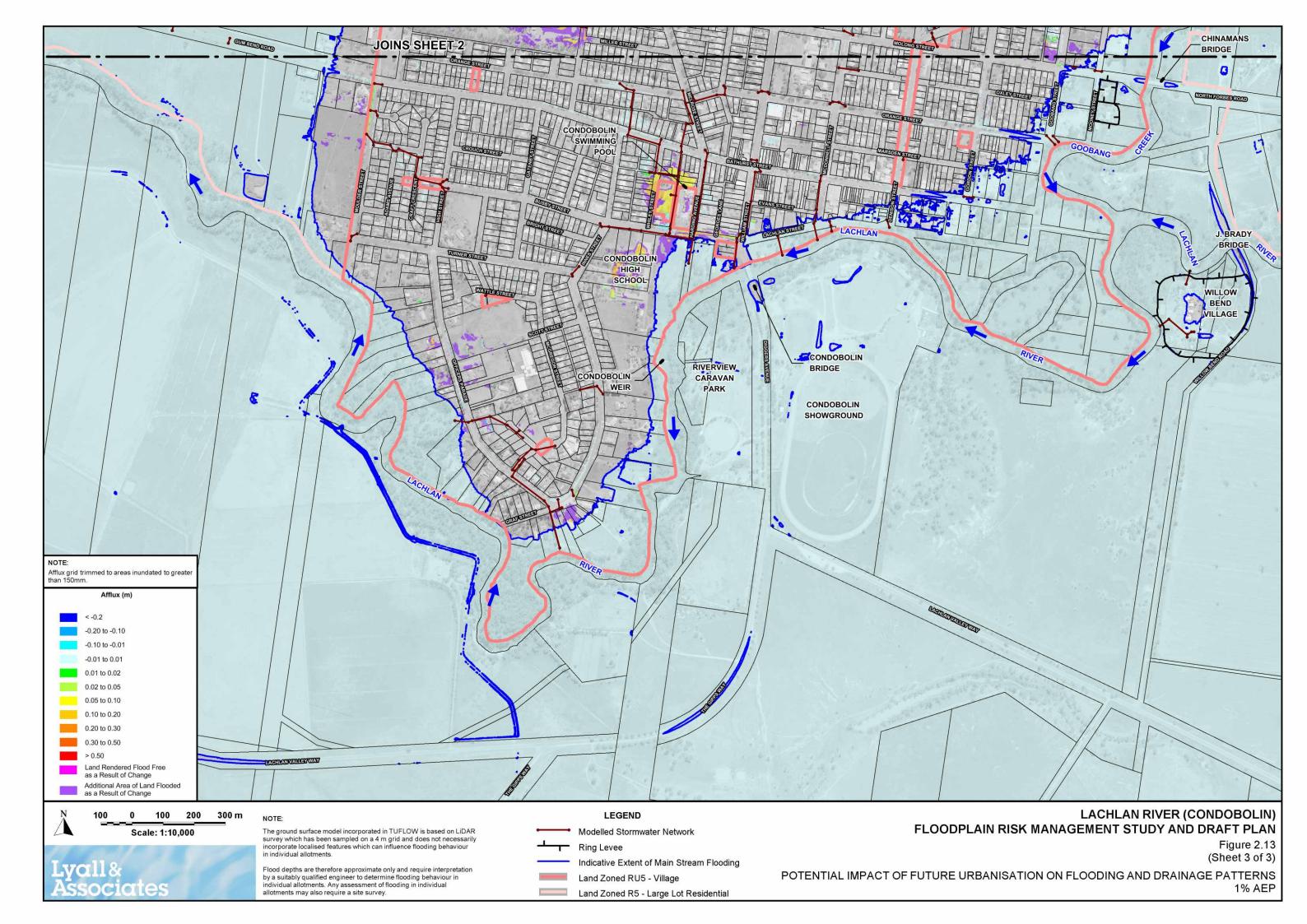


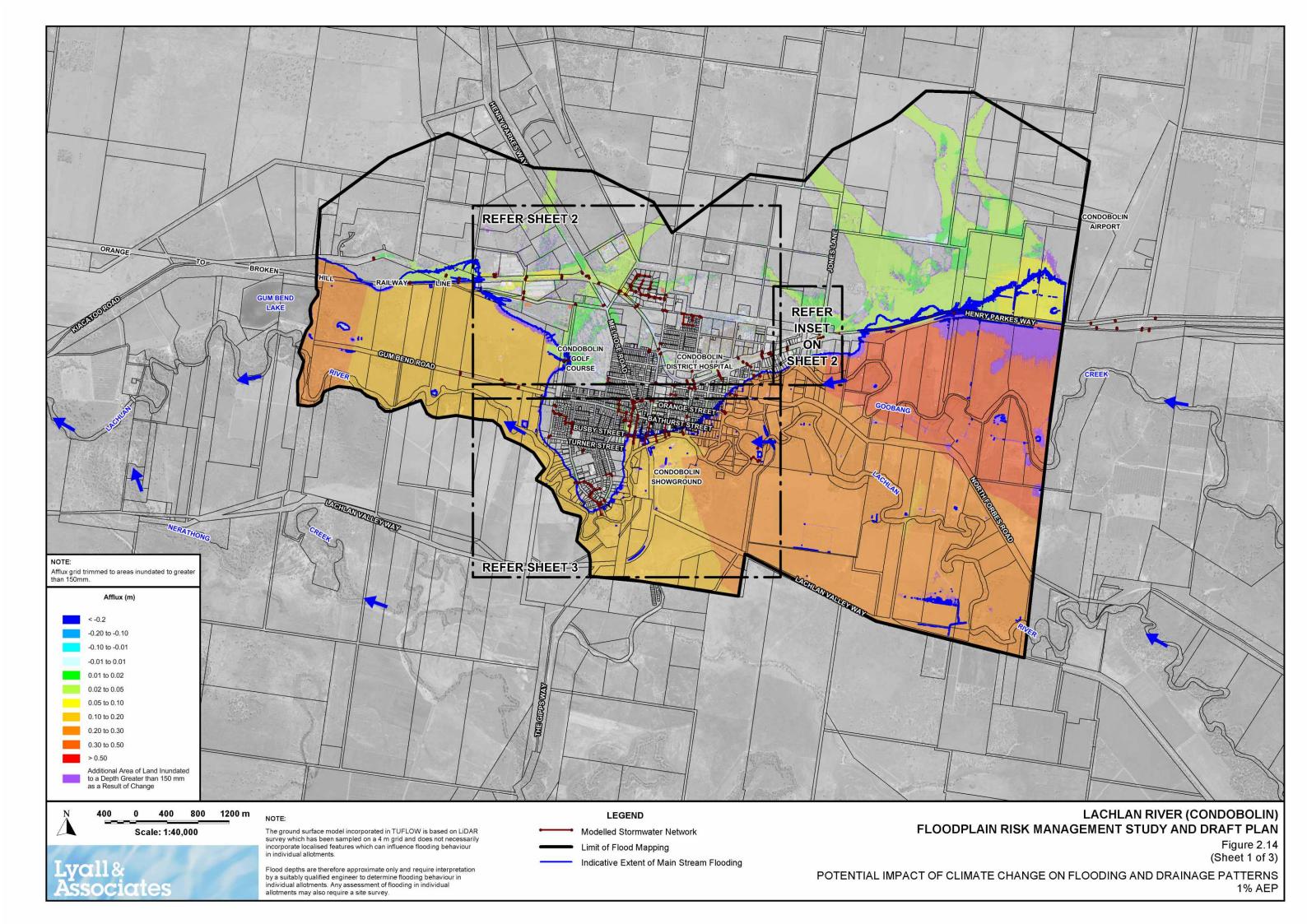


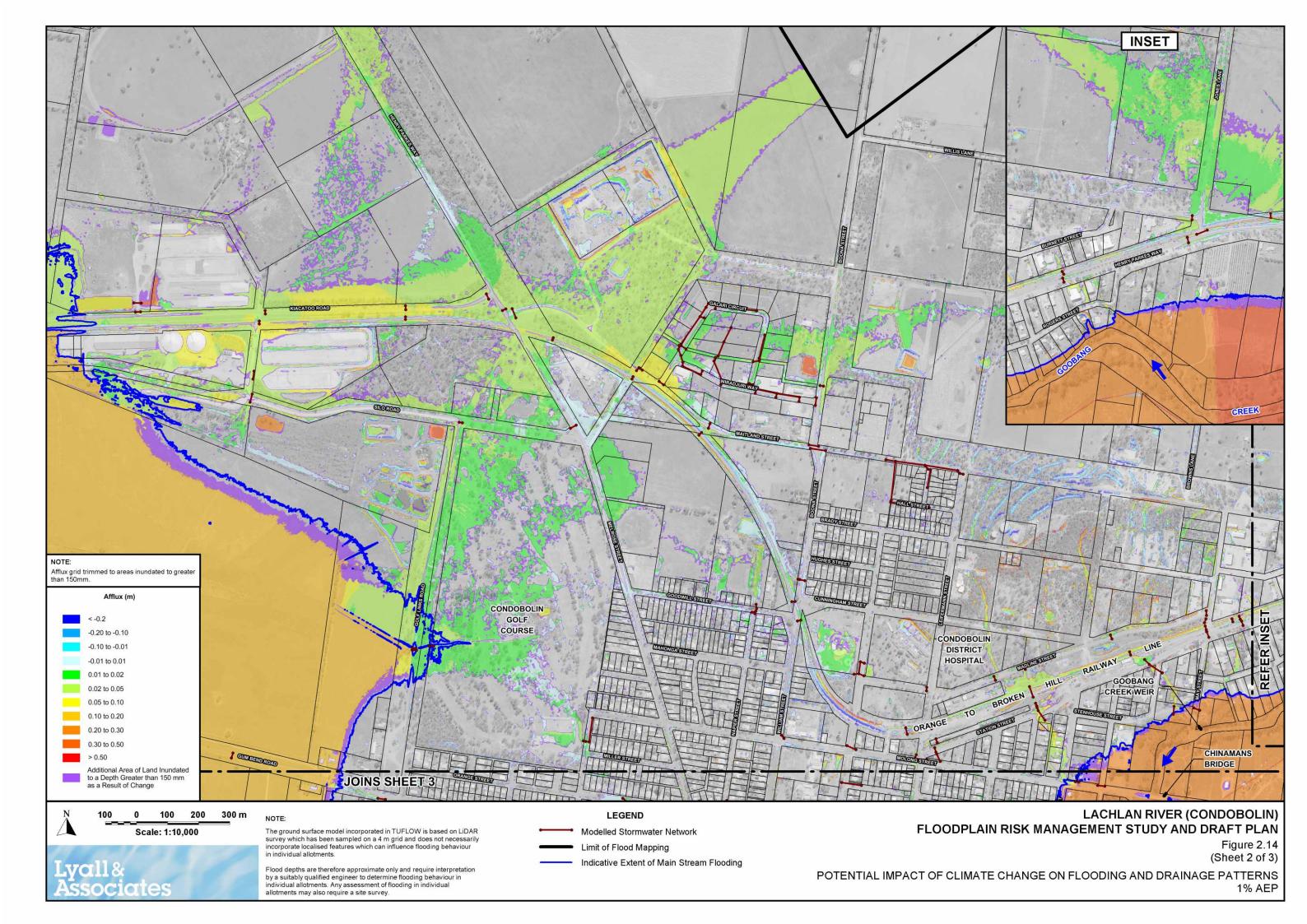


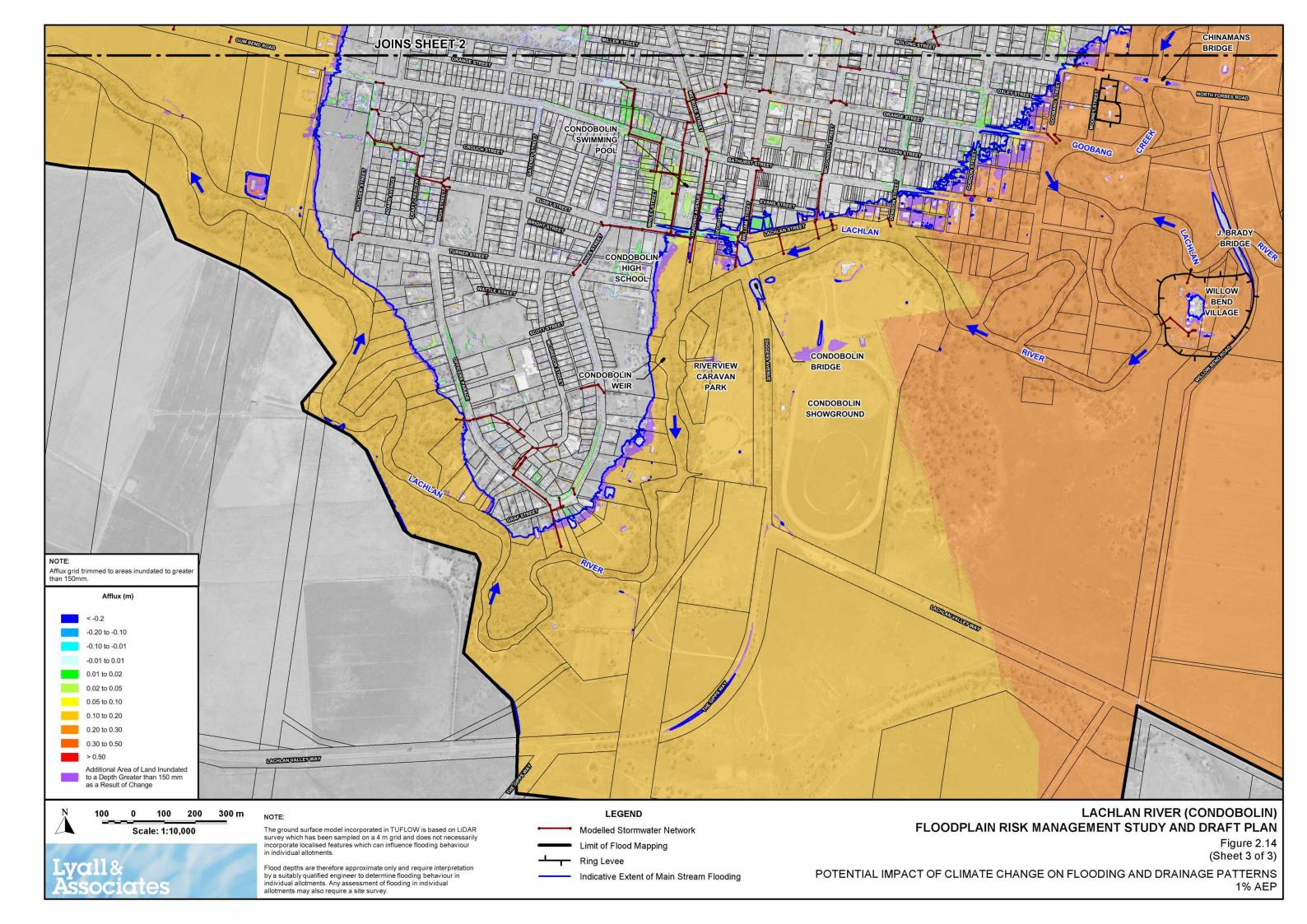


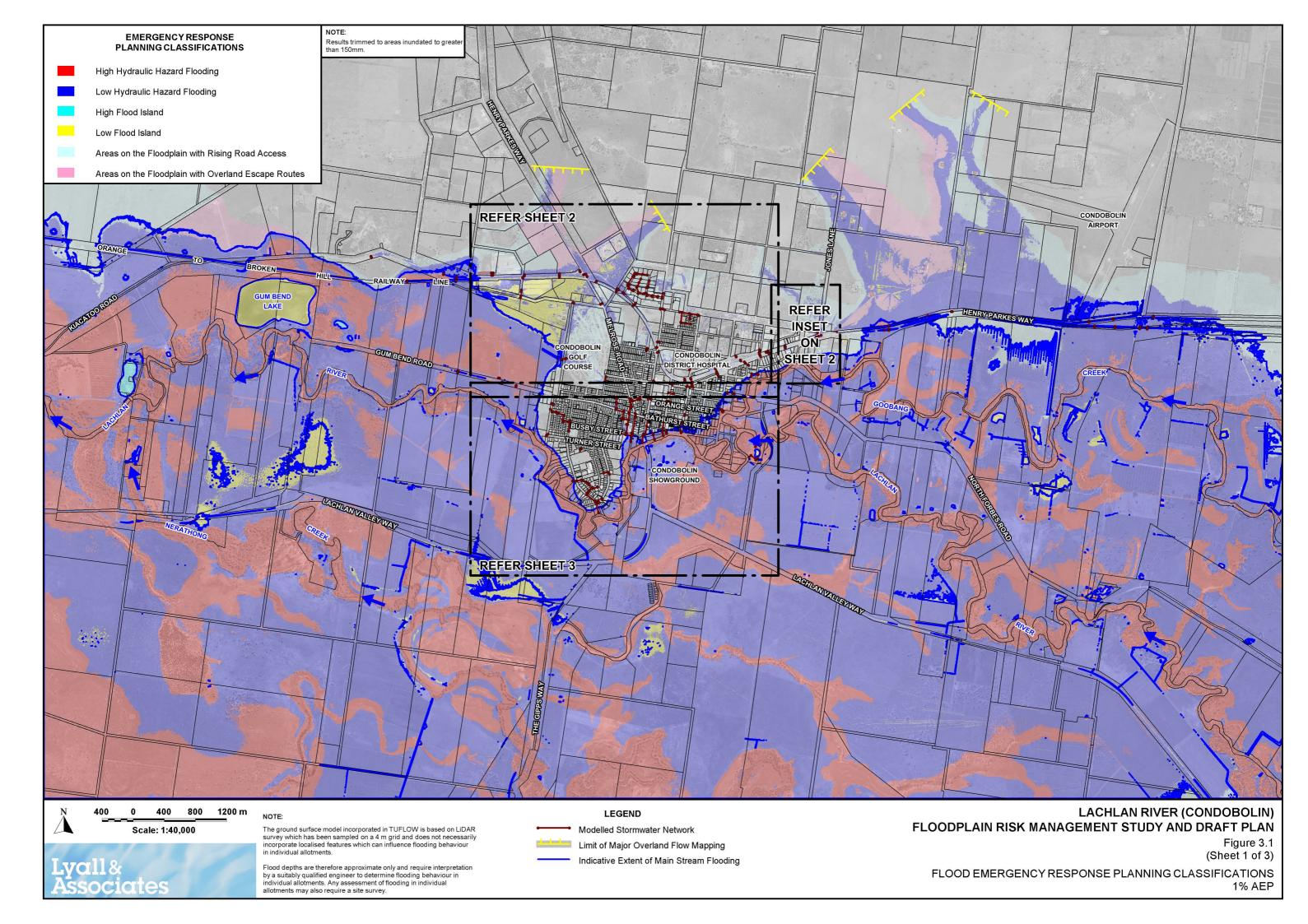


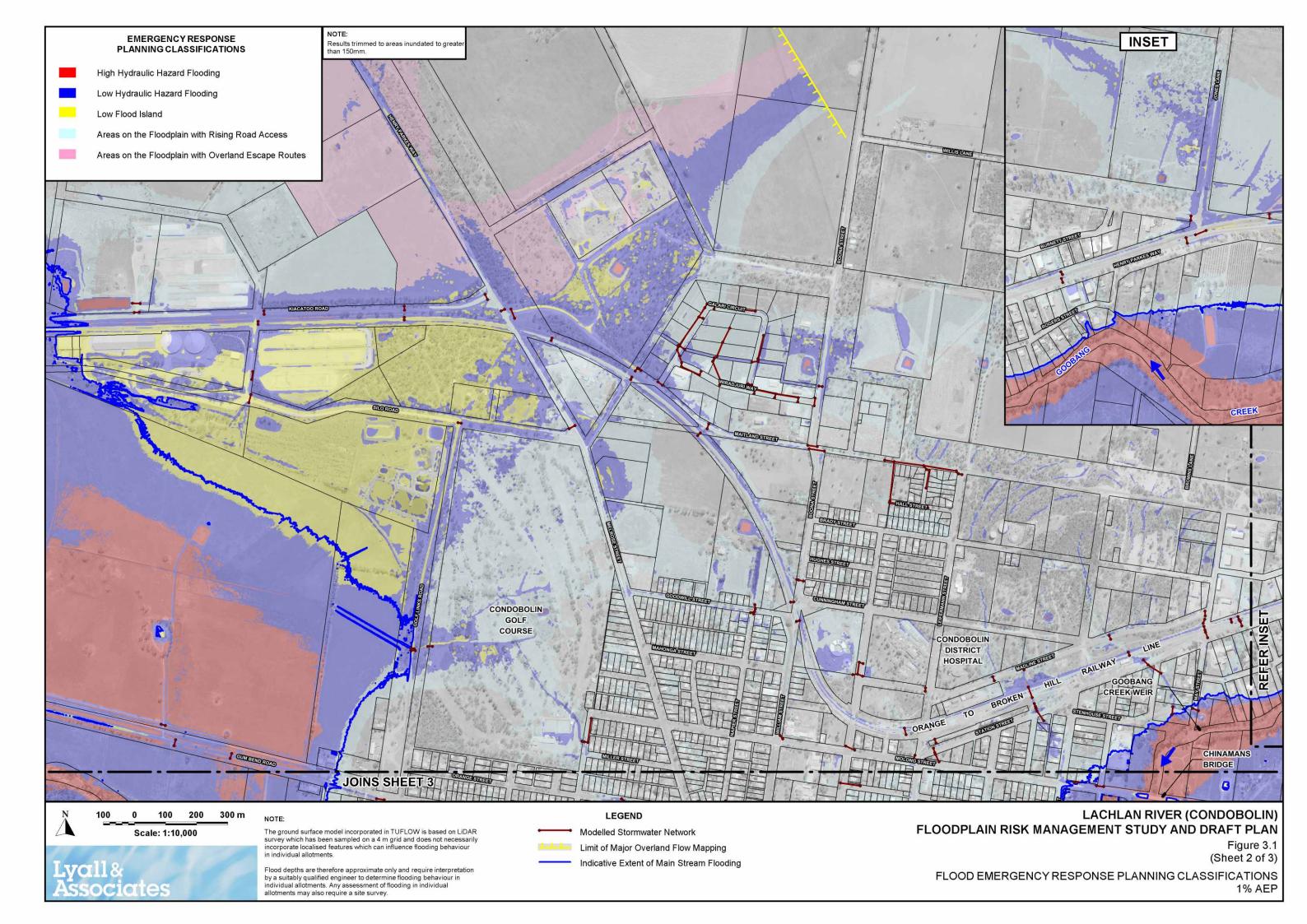


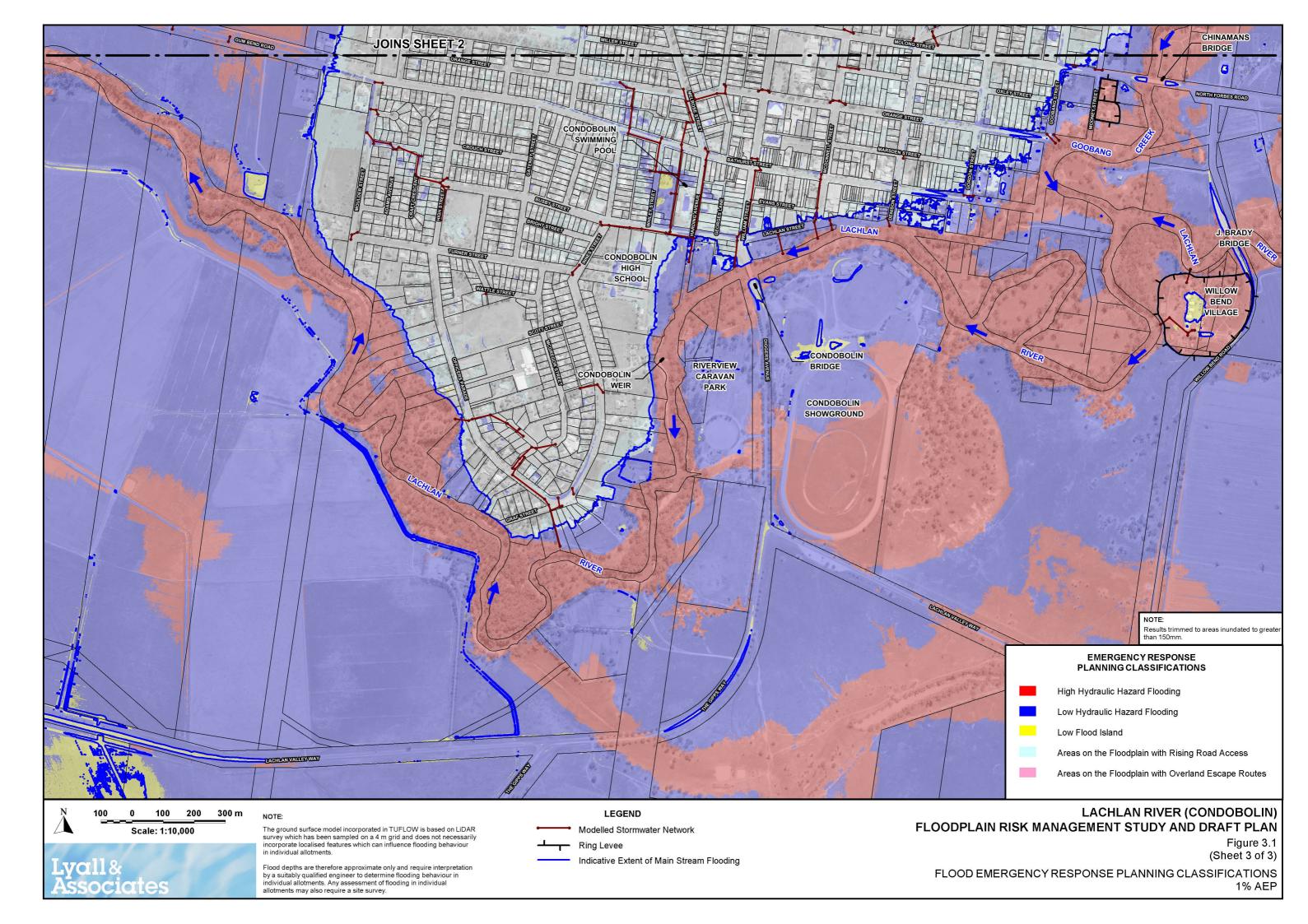


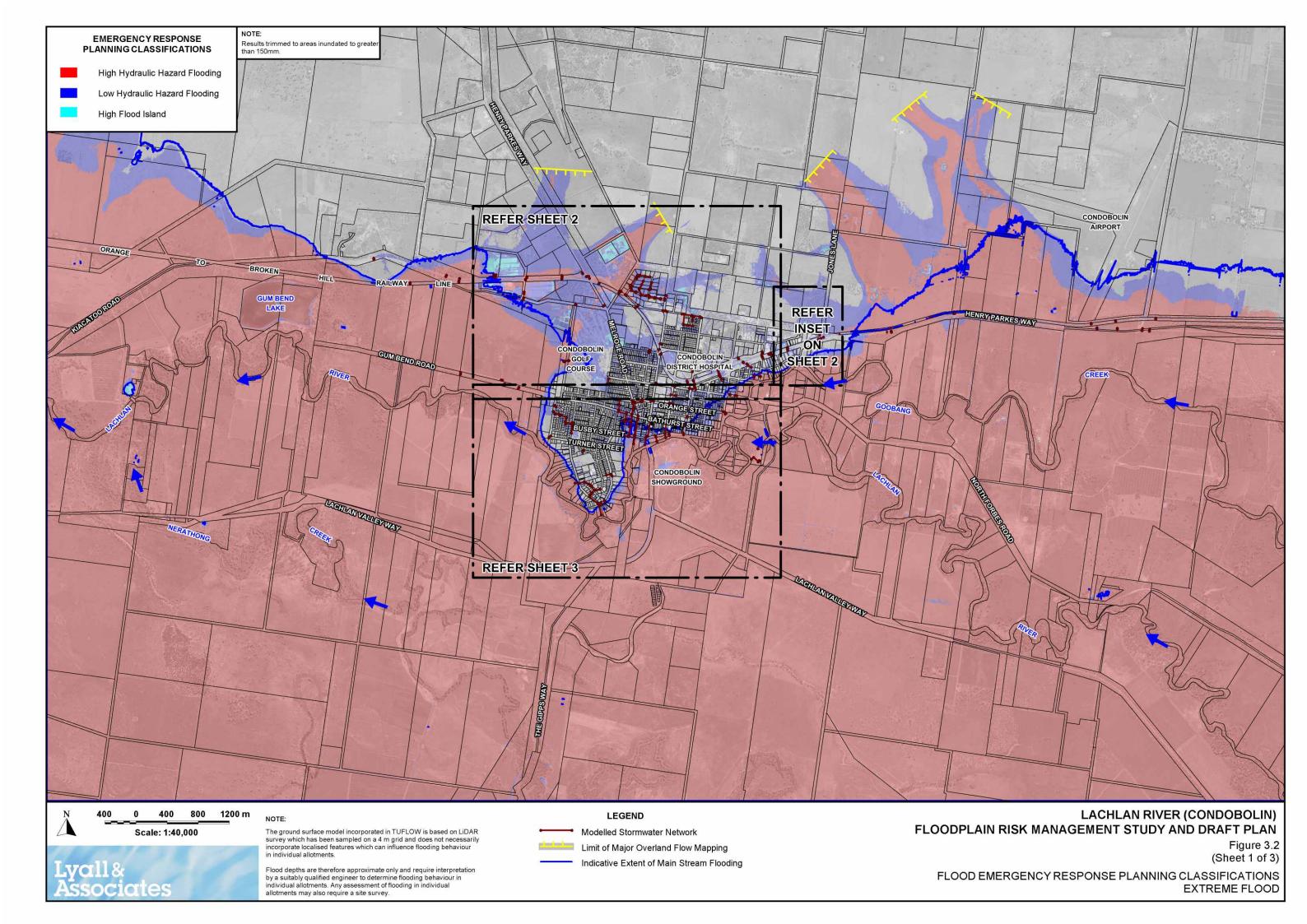


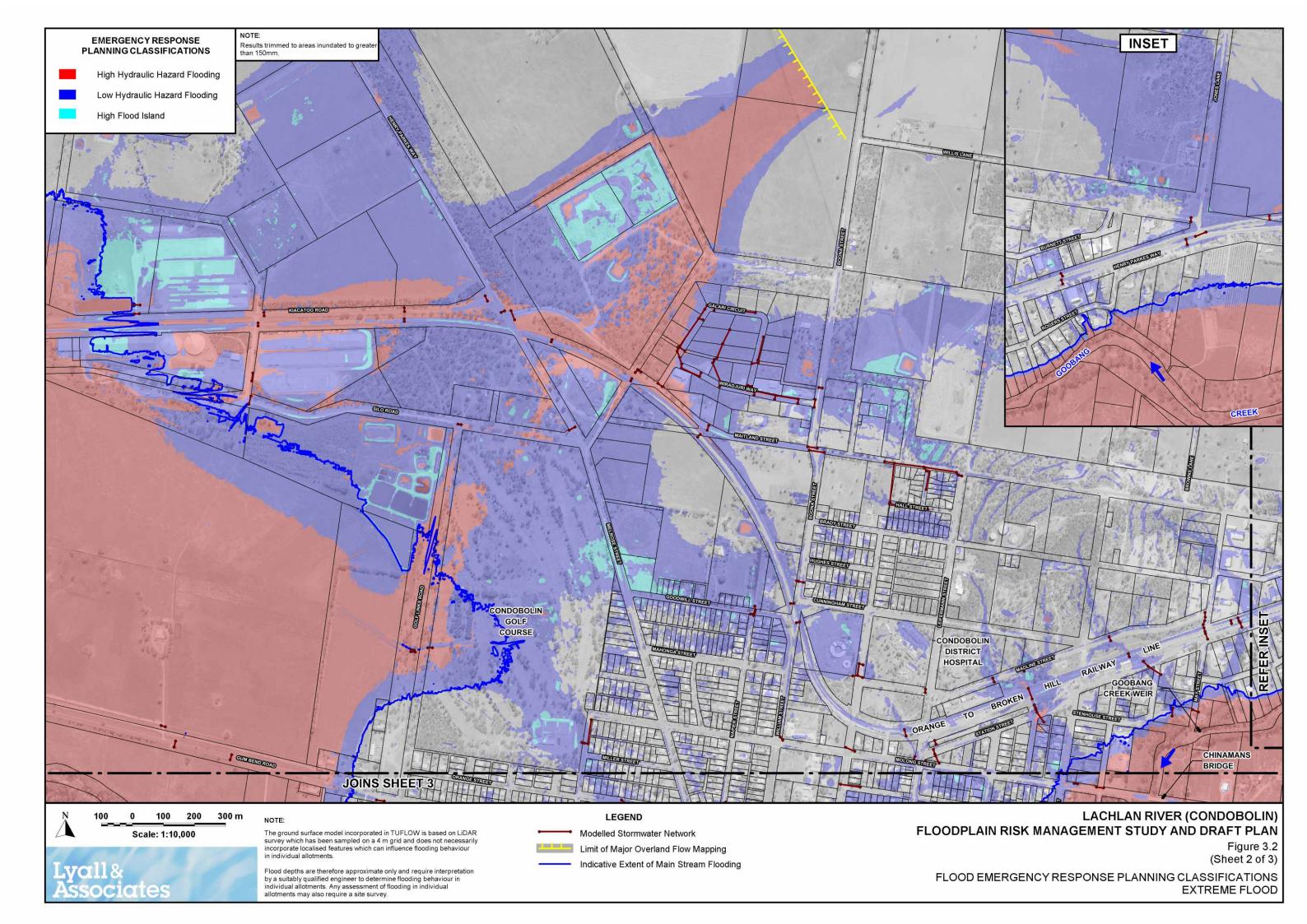


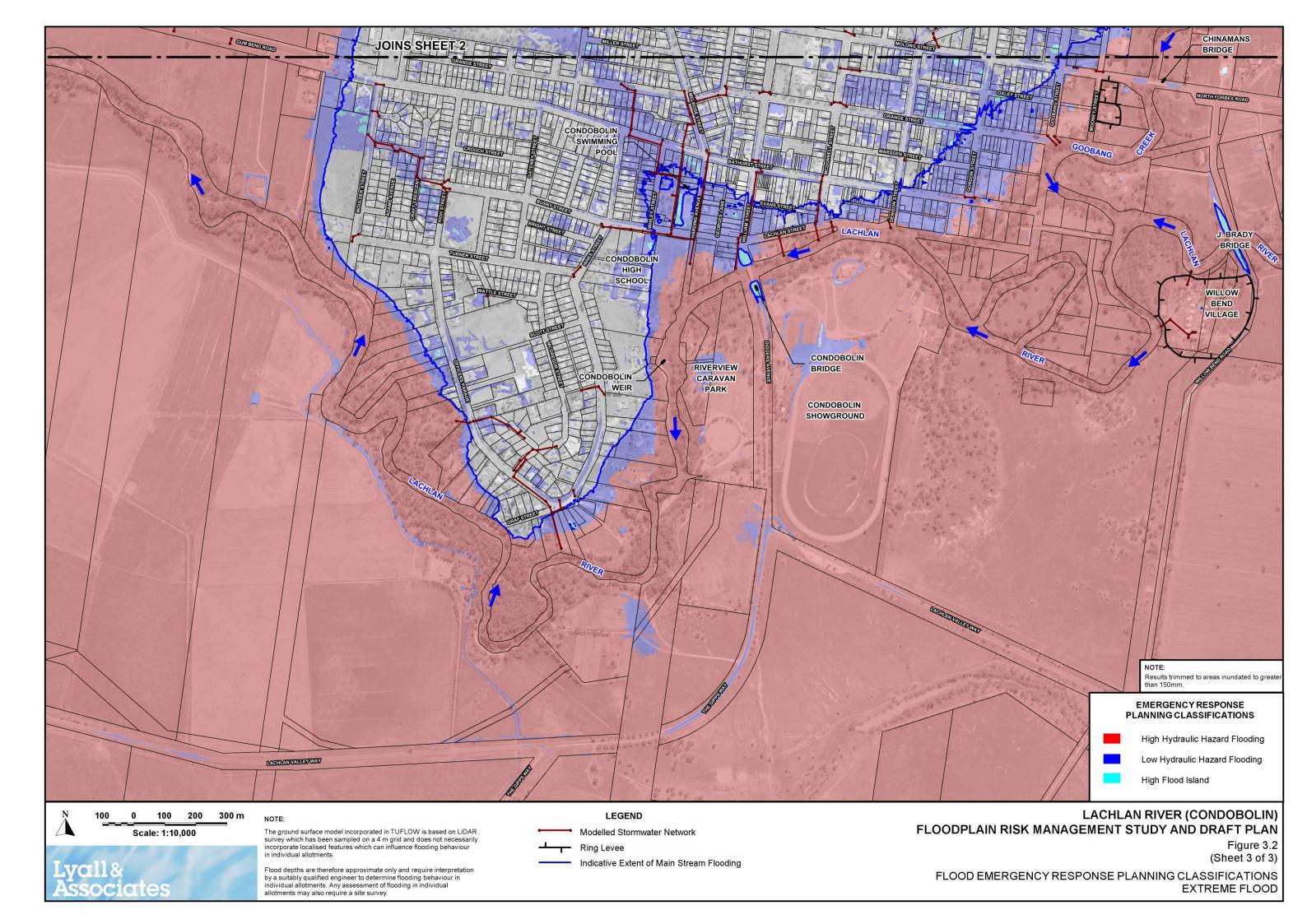












APPENDIX B

HYDROLOGIC AND HYDRAULIC MODELLING

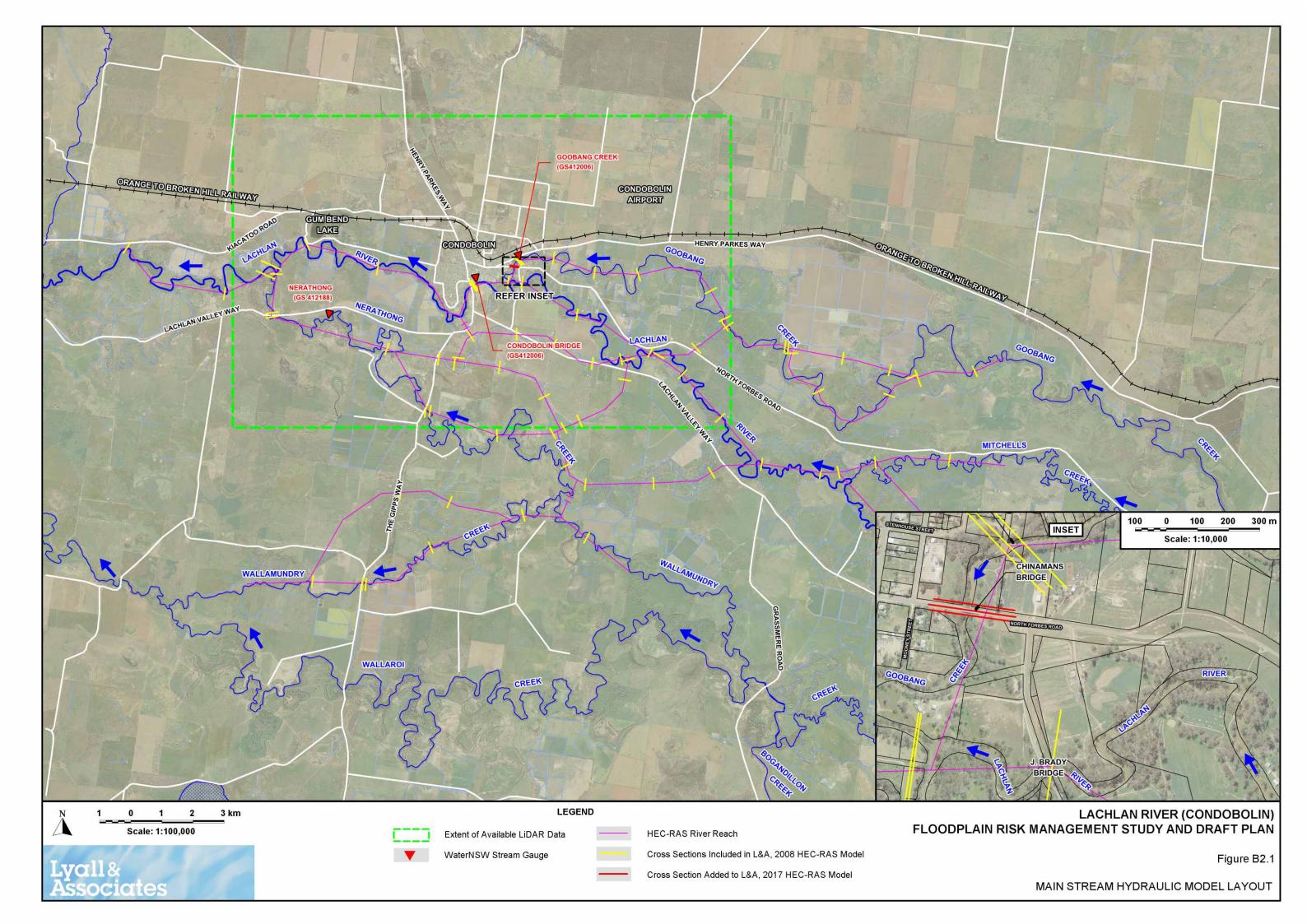
LIST OF FIGURES (APPENDIX B)

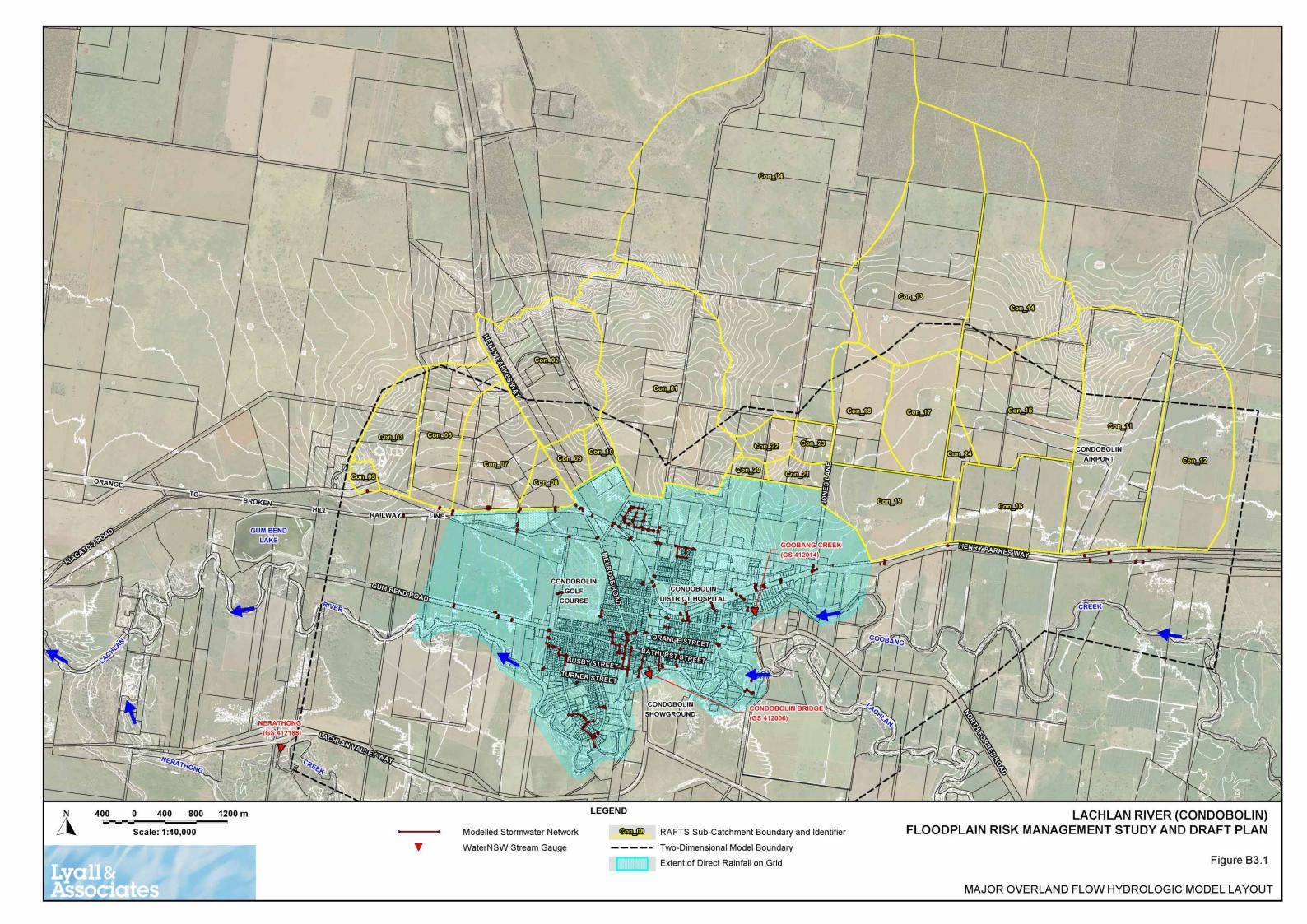
B3.1 Major Overland Flow Hydrologic Model Layout

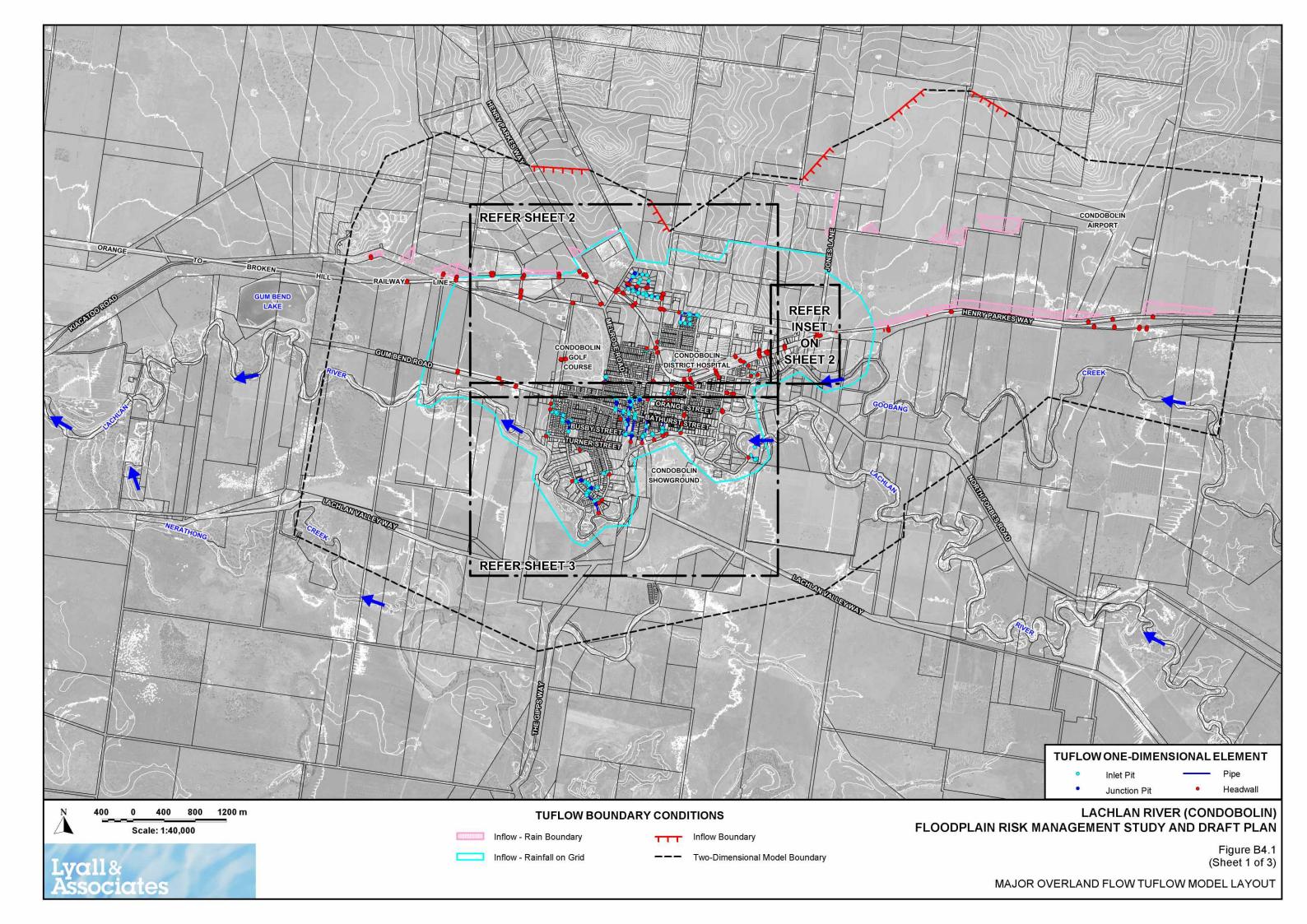
Main Stream Hydraulic Model Layout

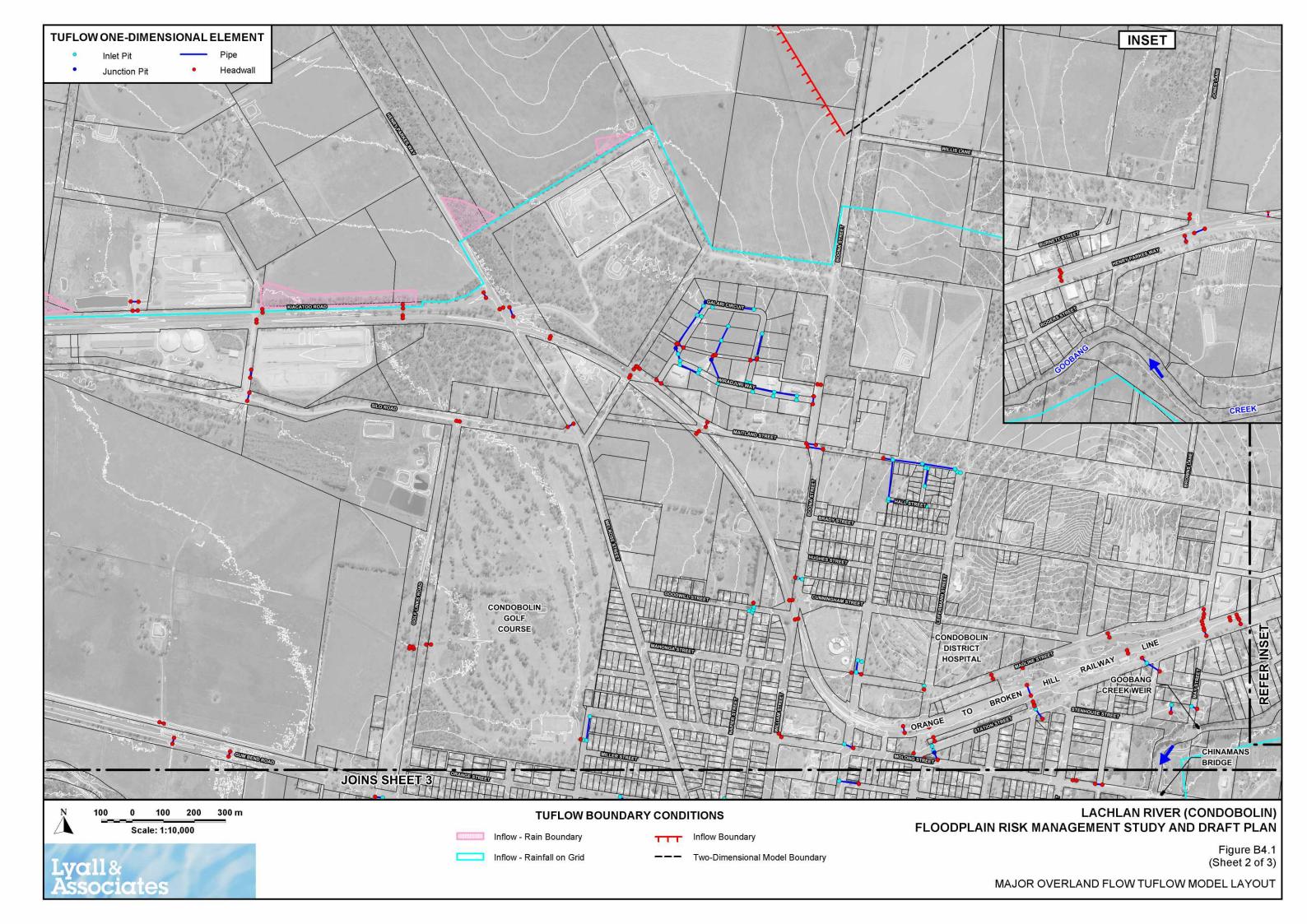
B4.1 Major Overland Flow TUFLOW Model Layout (3 Sheets)
B4.2 TUFLOW Schematisation of Floodplain
B4.3 Indicative Extent and Depths of Inundation – 20% AEP (3 Sheets)
B4.4 Indicative Extent and Depths of Inundation – 5% AEP (3 Sheets)
B4.5 Indicative Extent and Depths of Inundation – 2% AEP (3 Sheets)

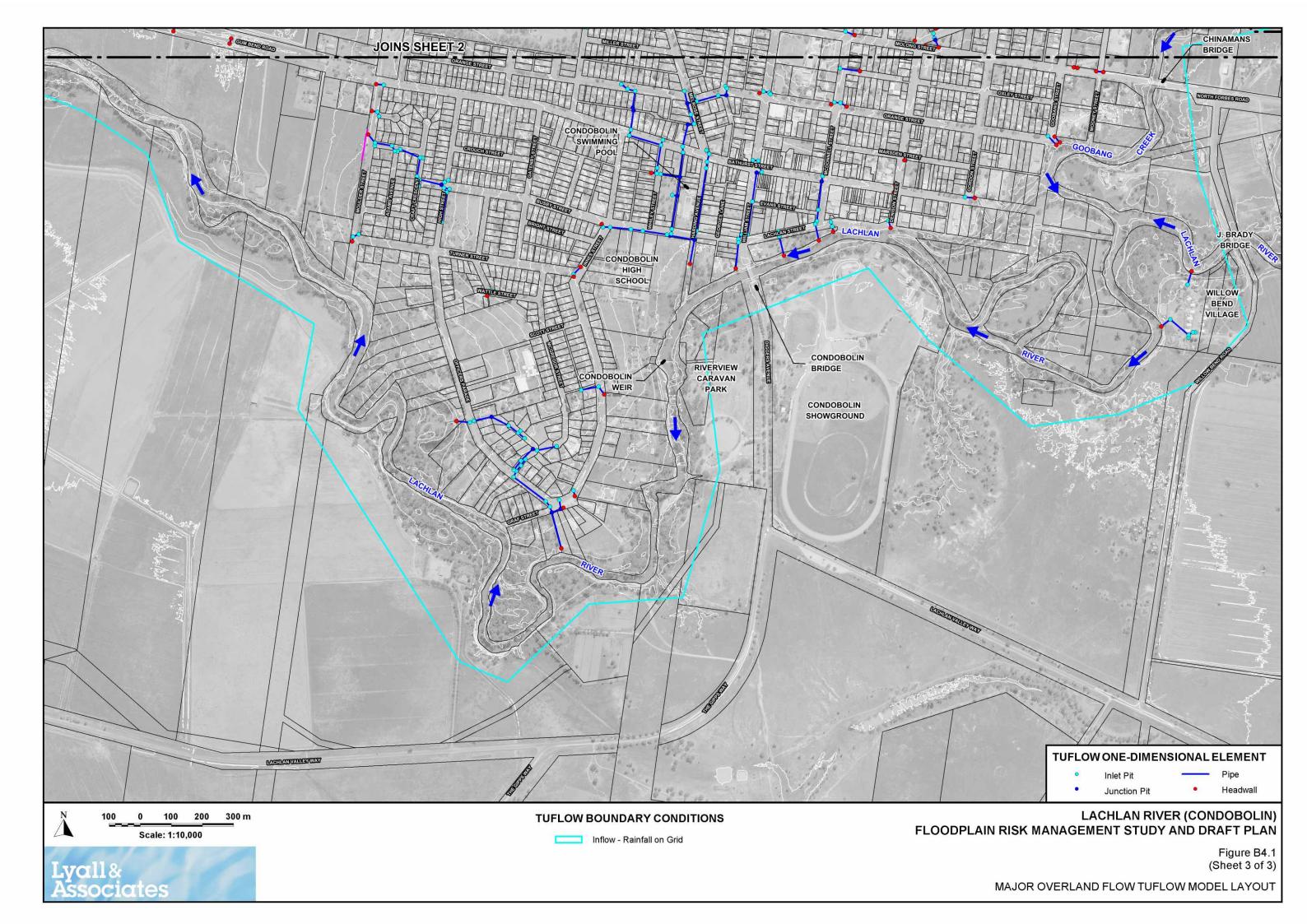
Indicative Extent and Depths of Inundation – 0.5% AEP (3 Sheets)

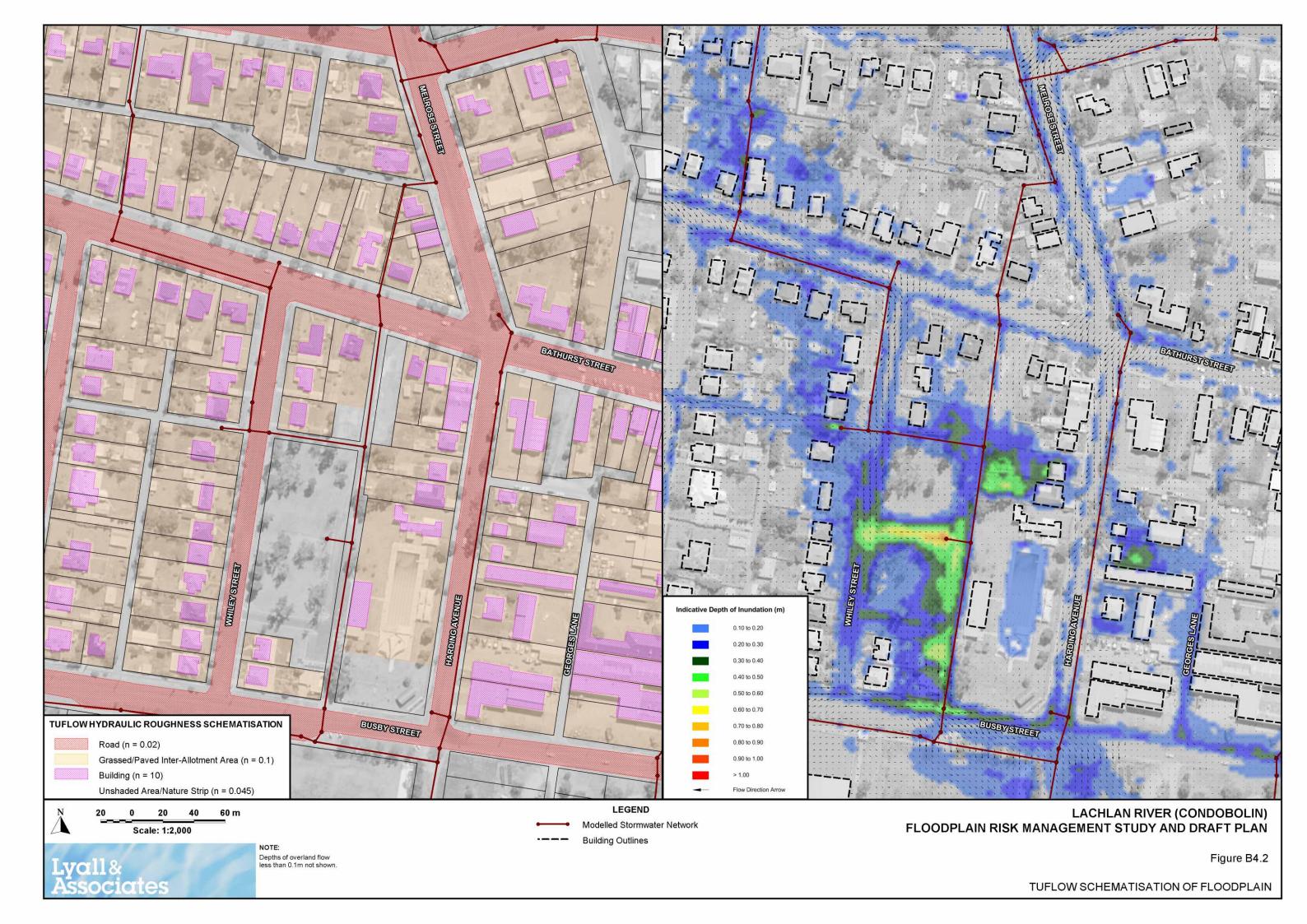


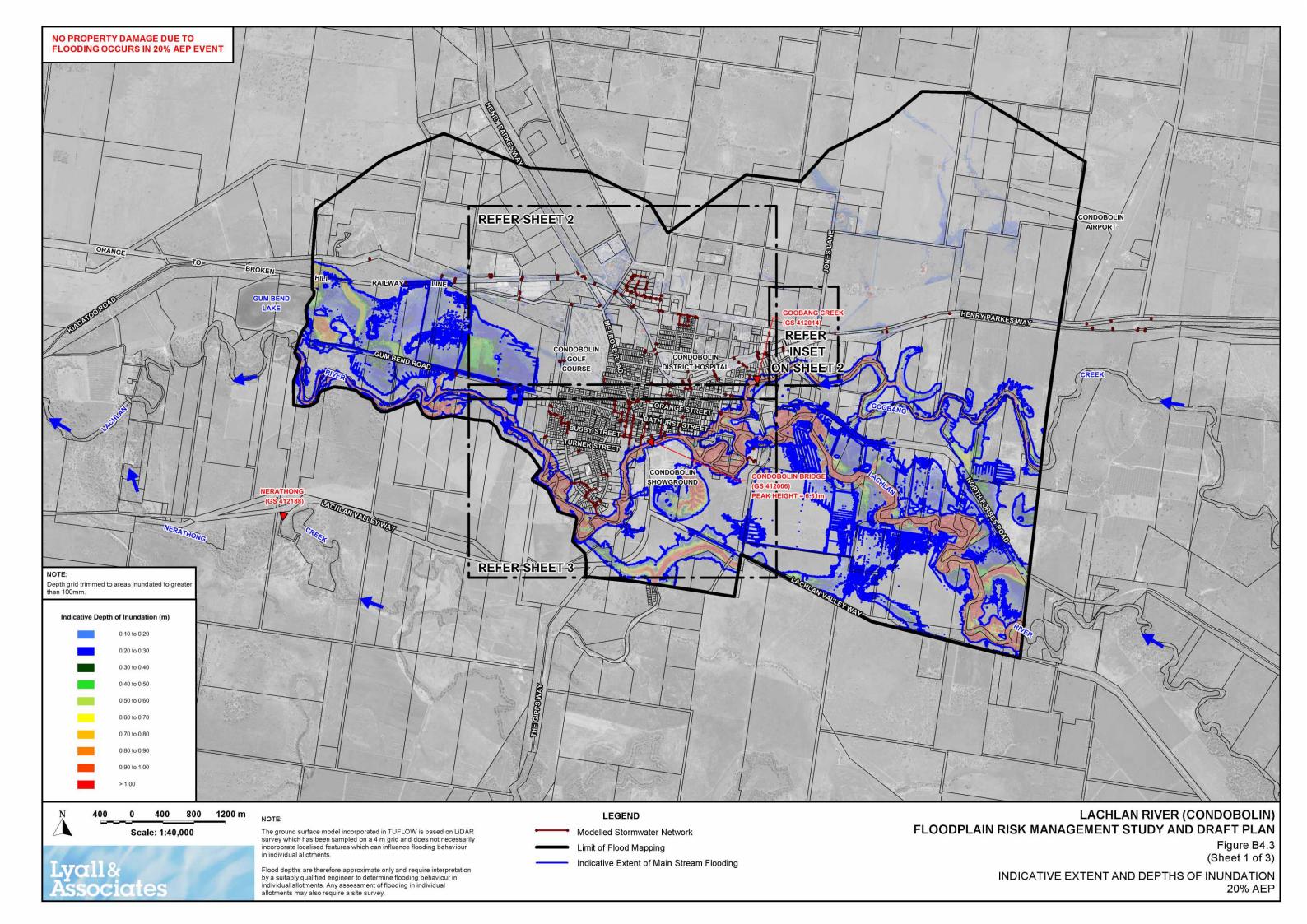


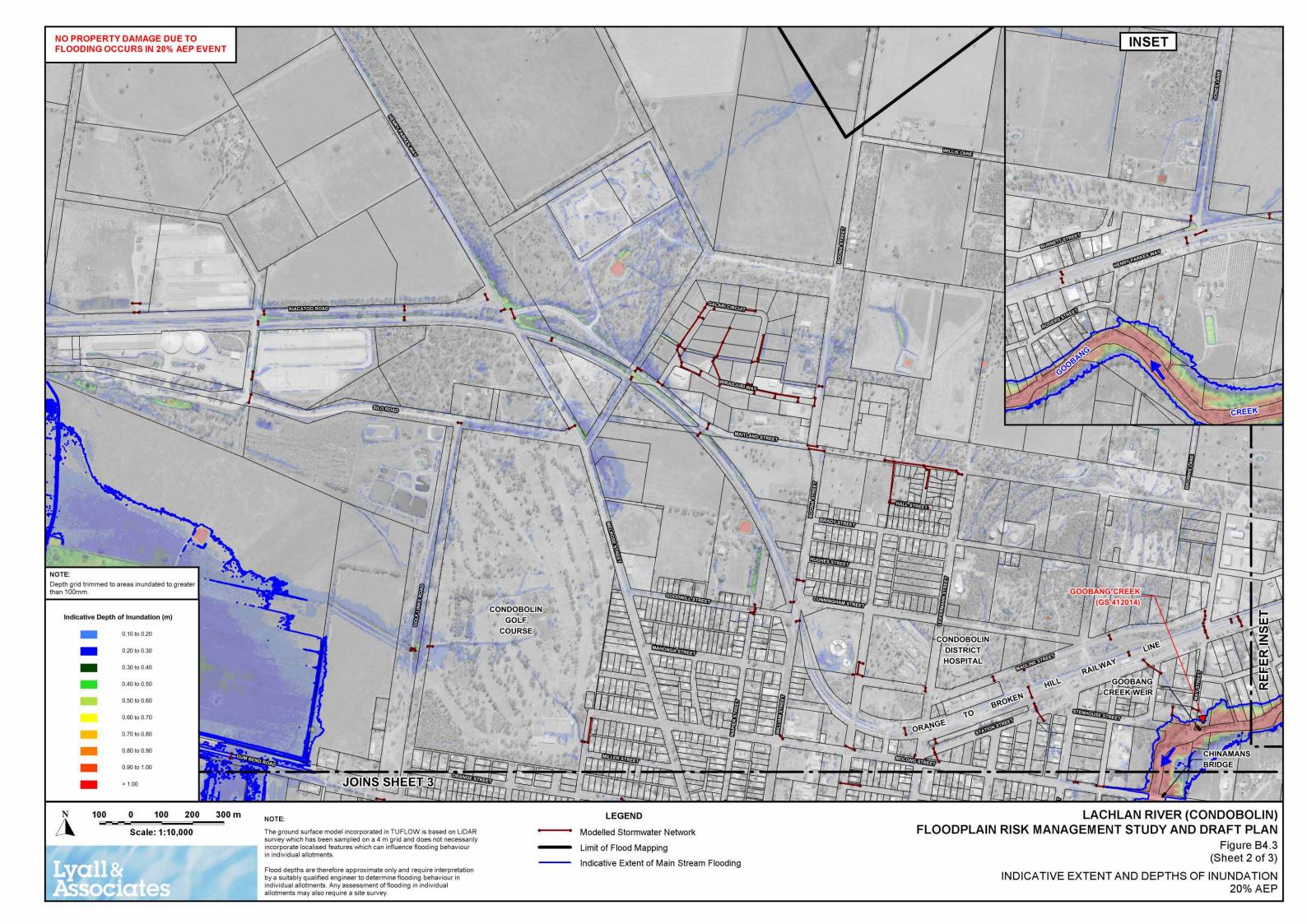


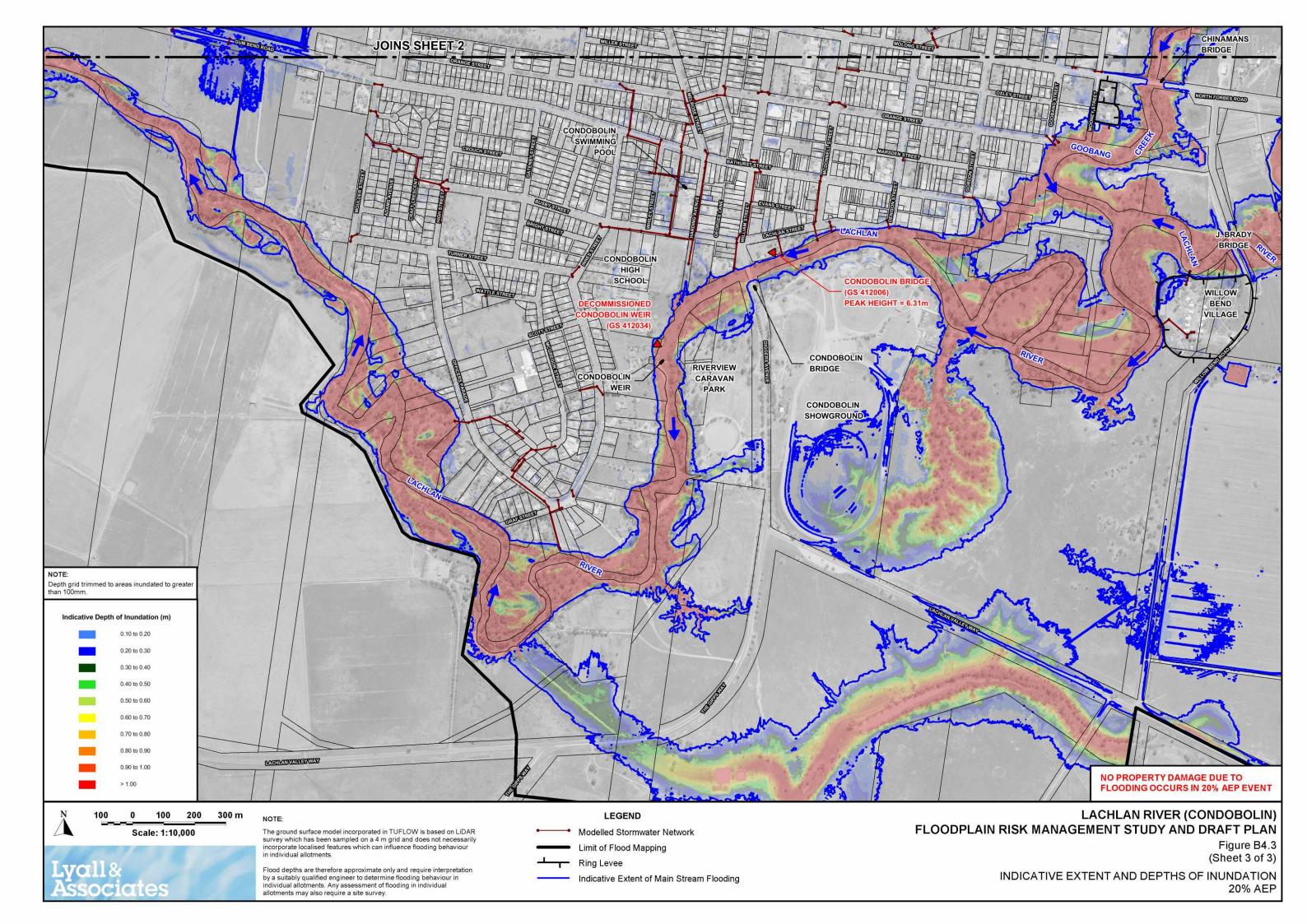


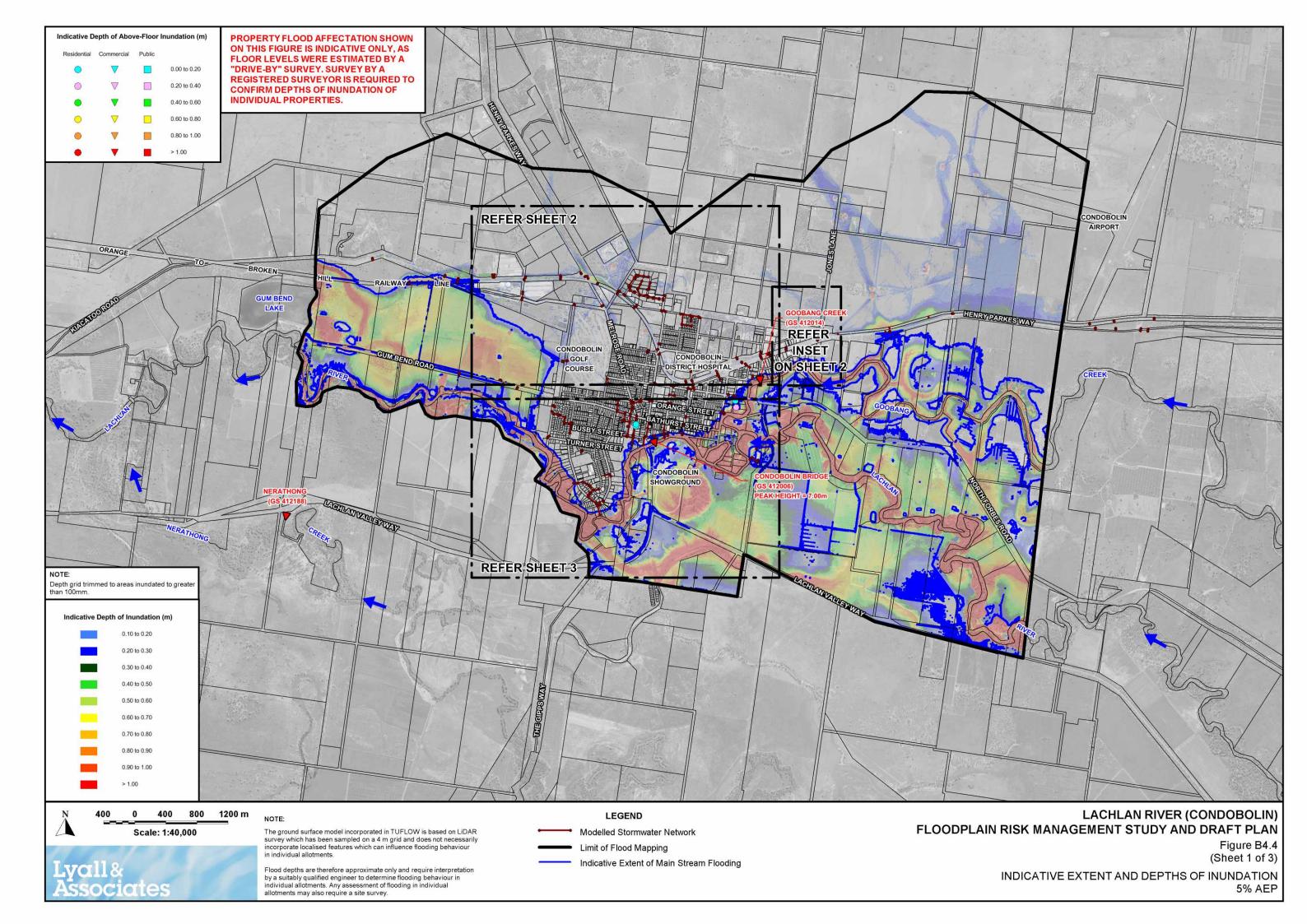


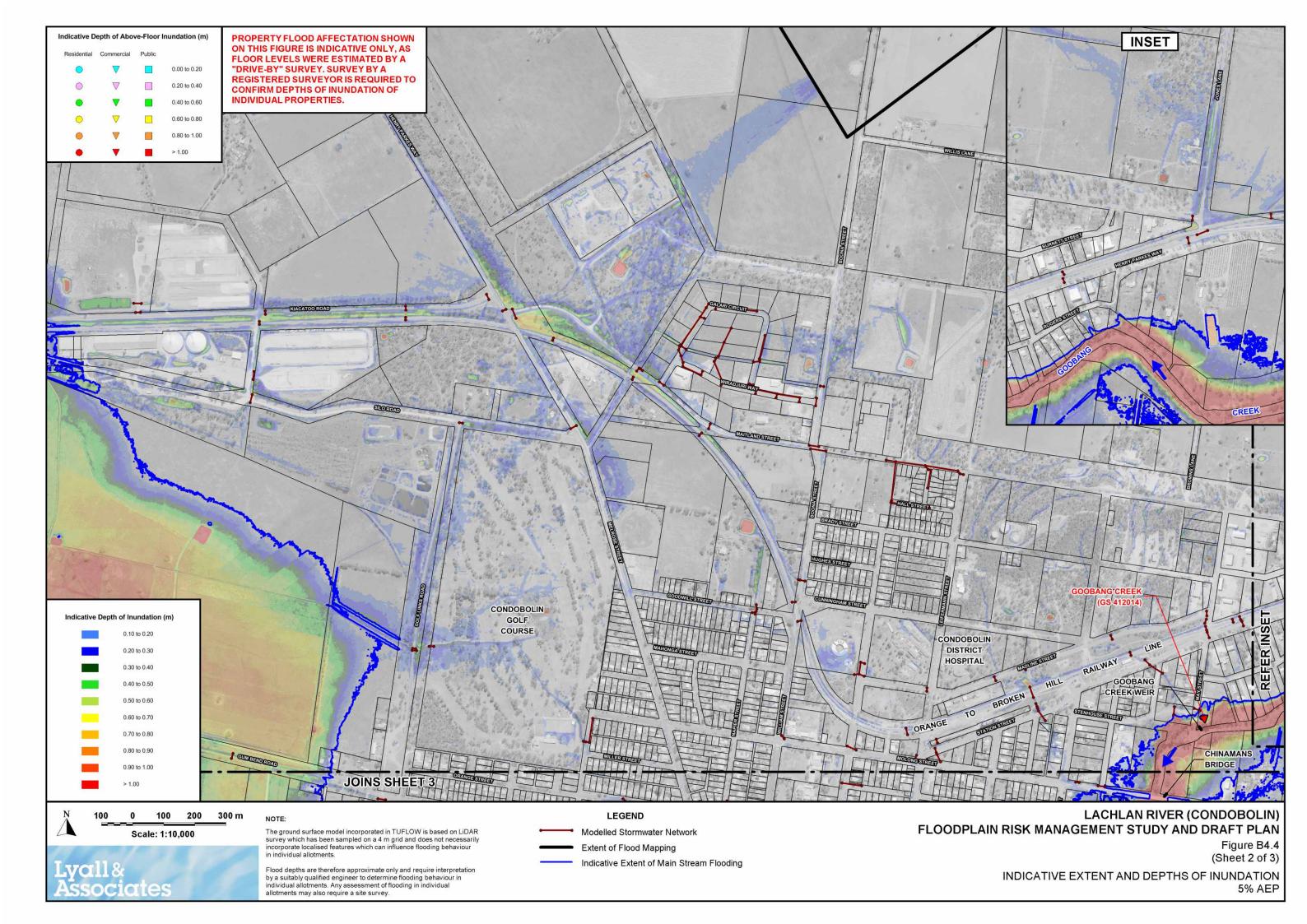


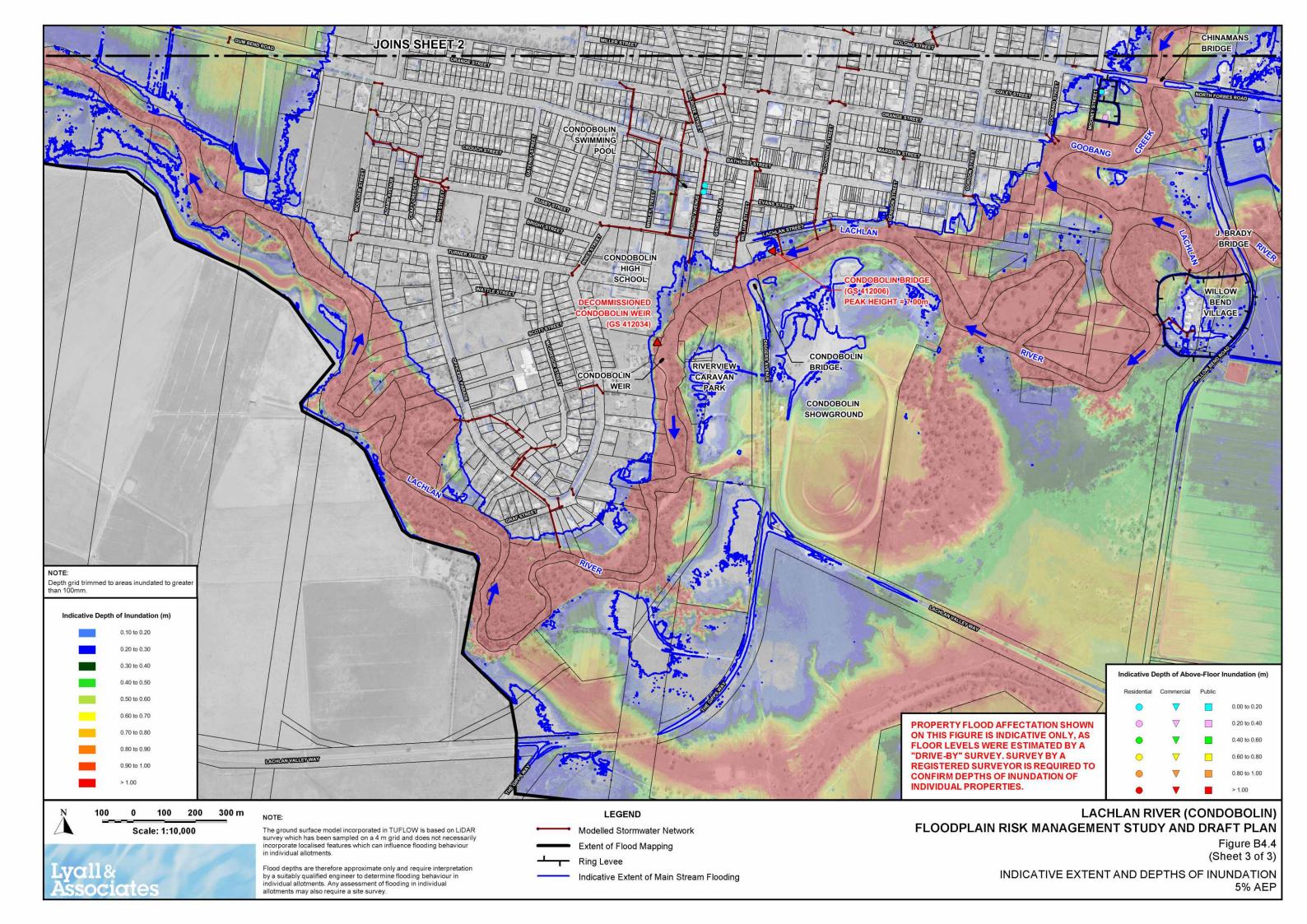


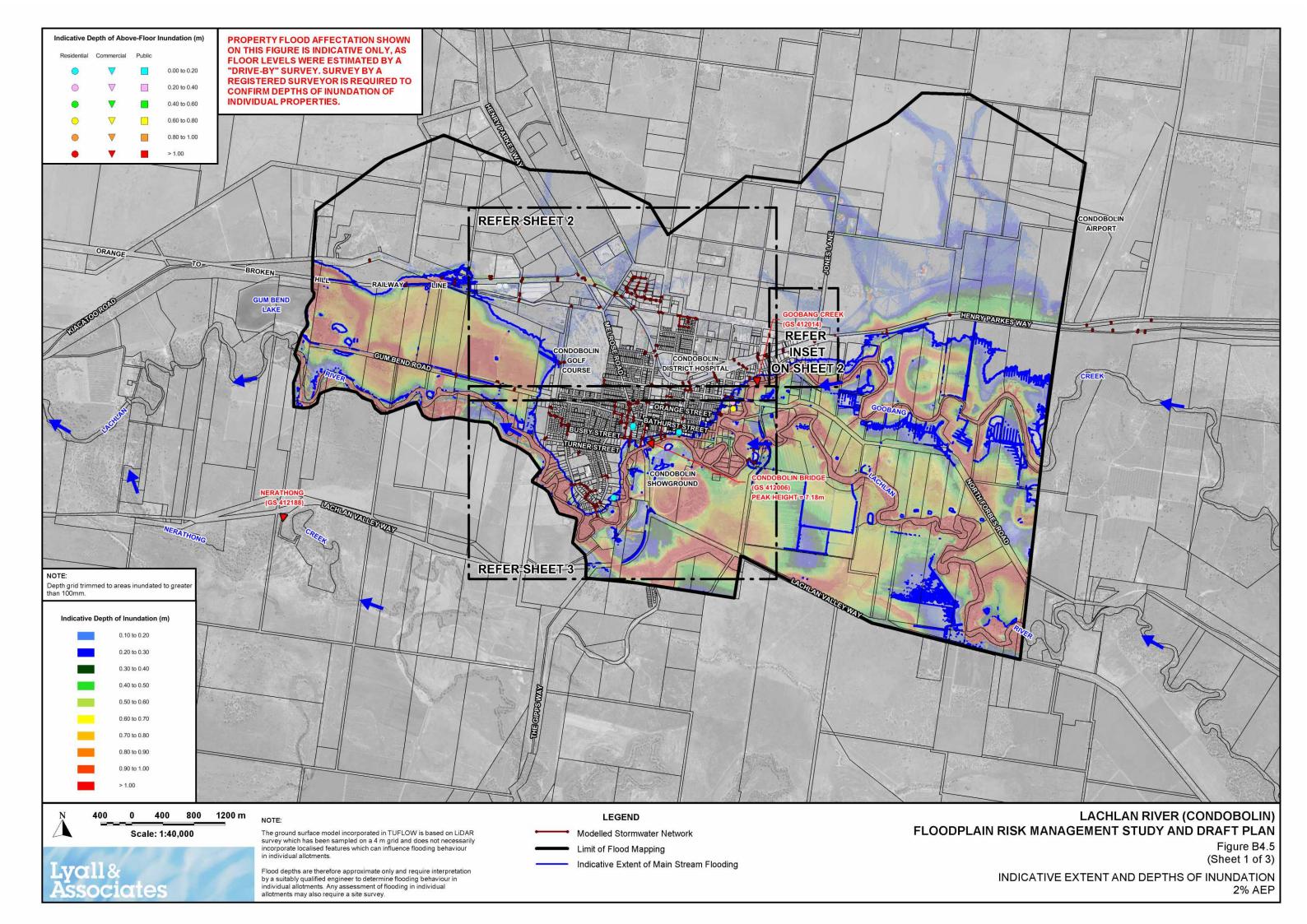


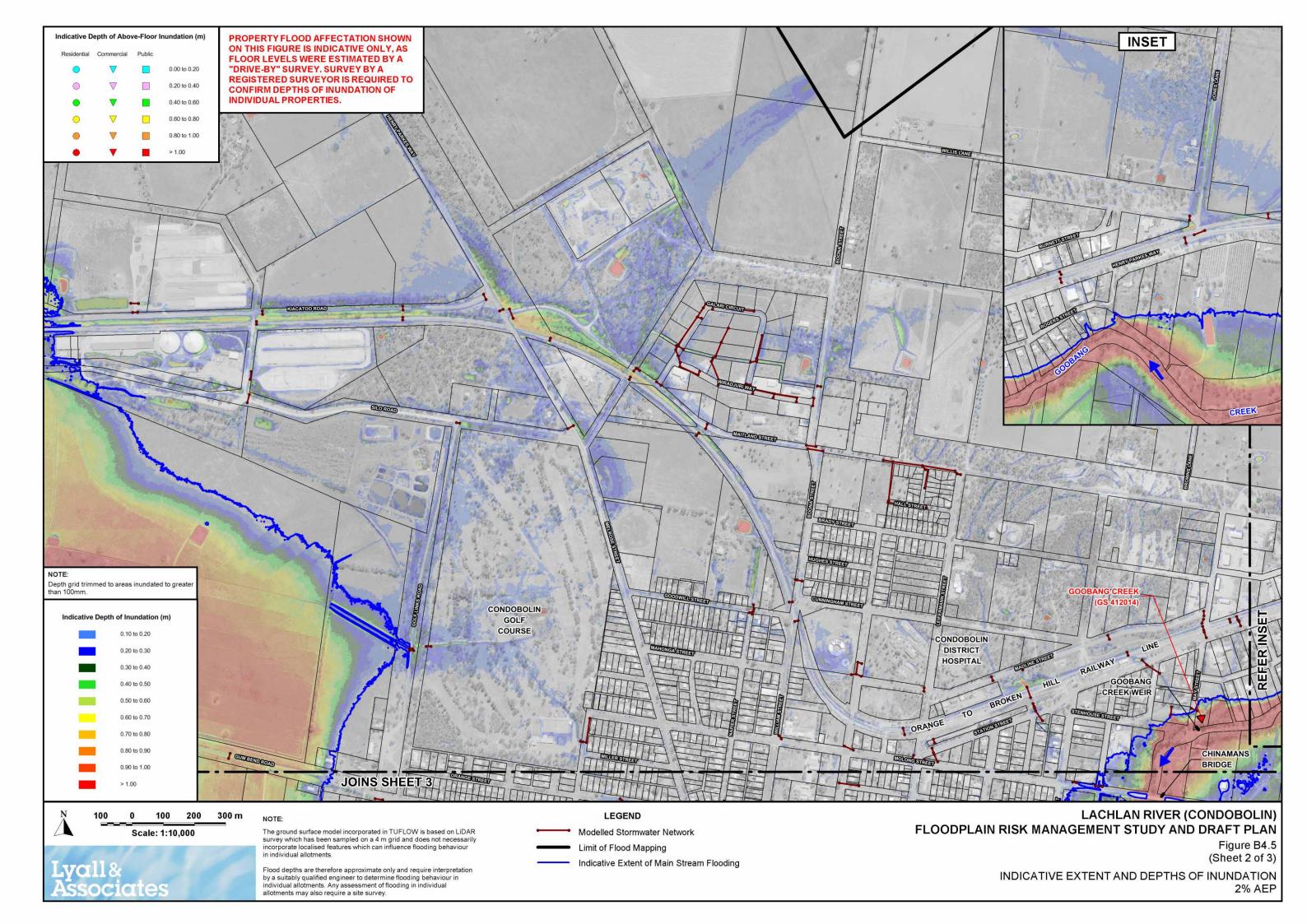


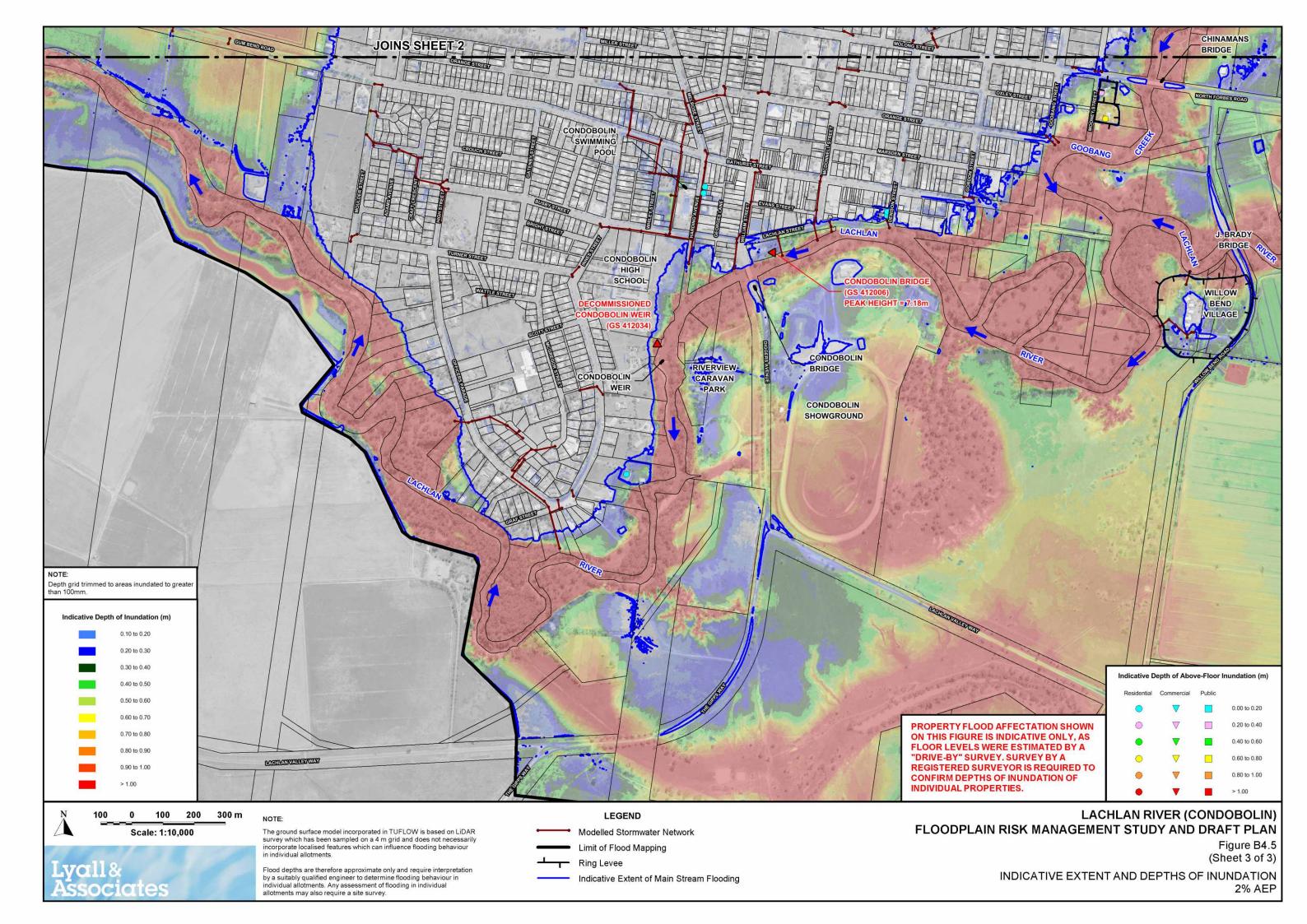


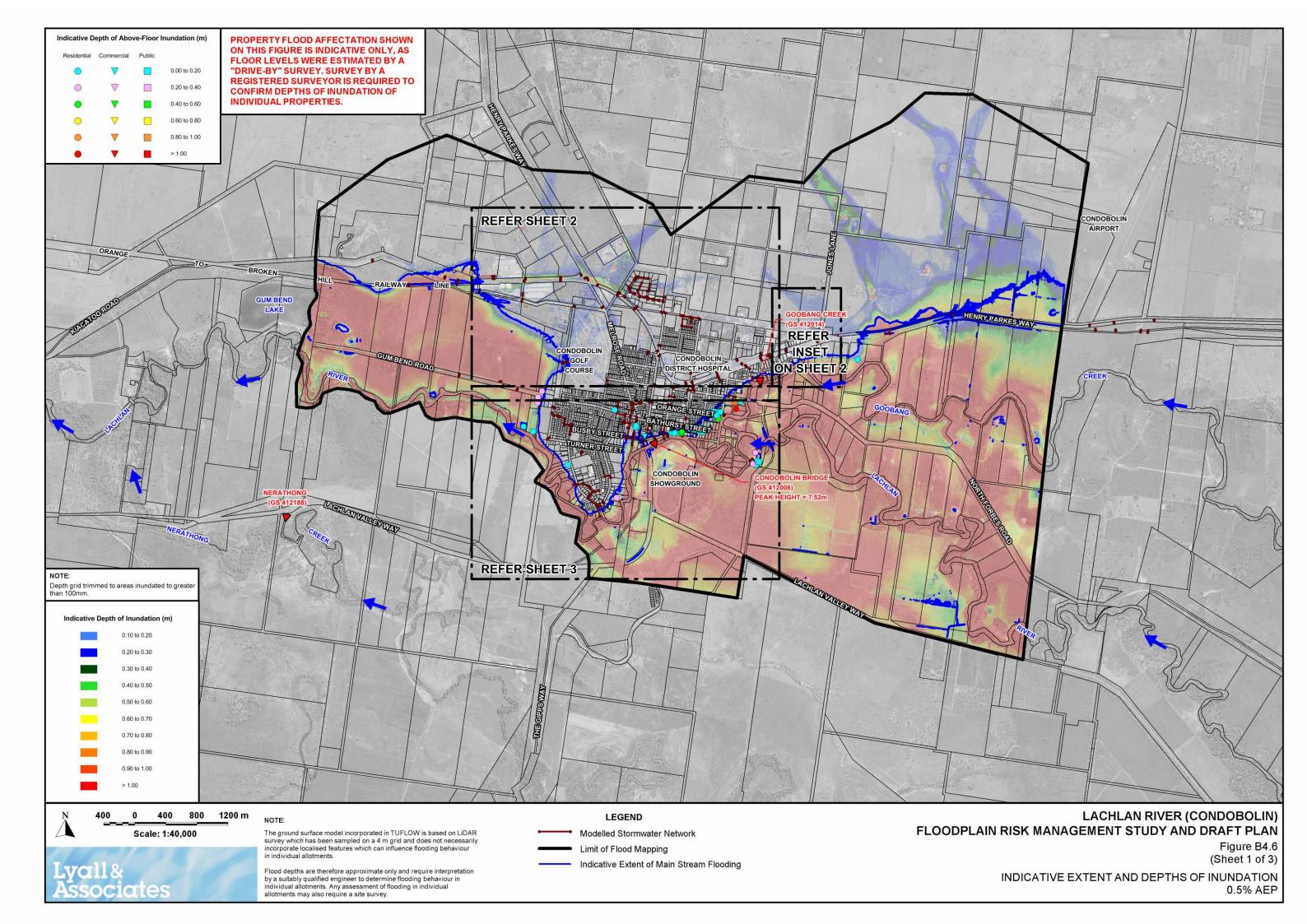


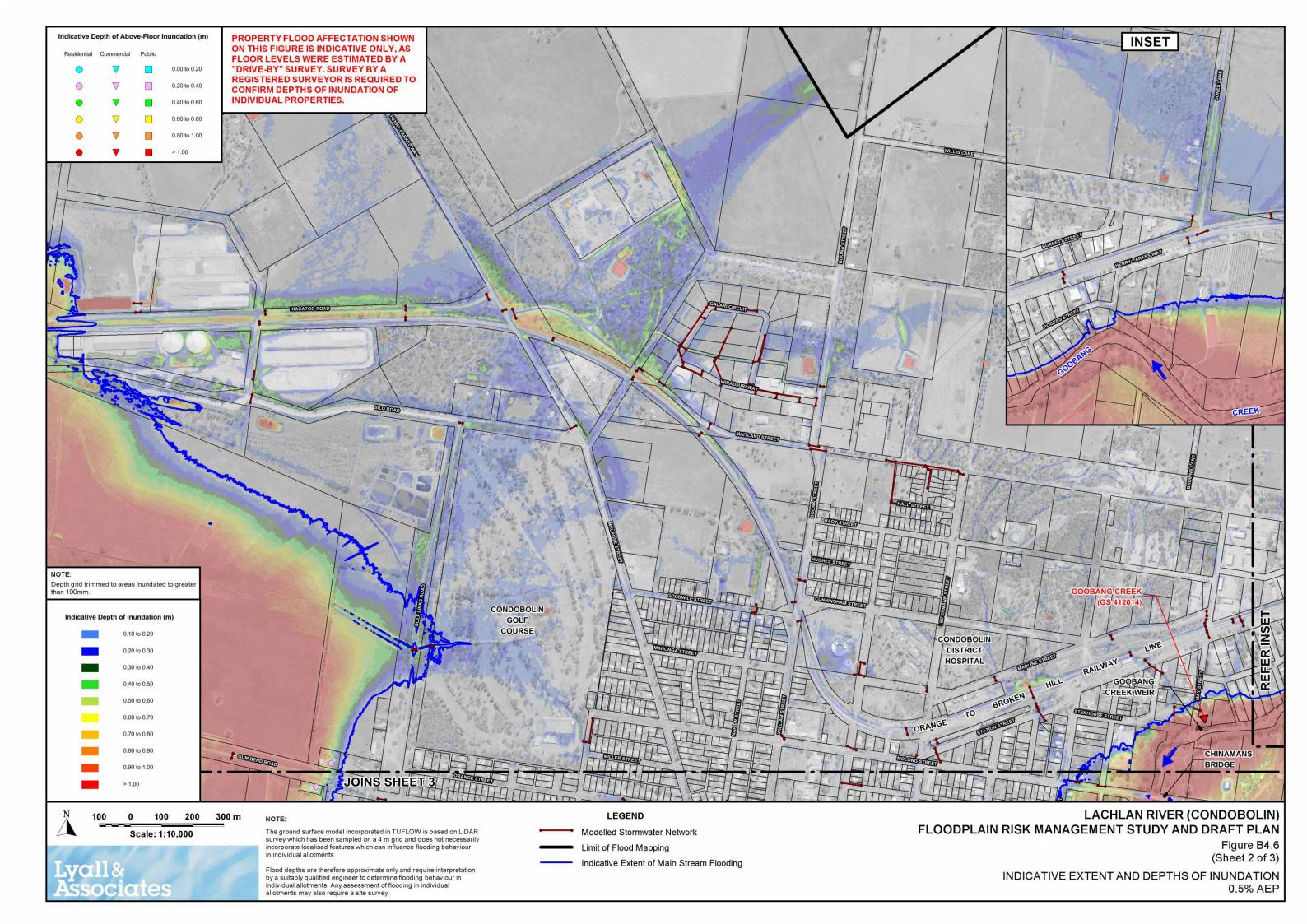


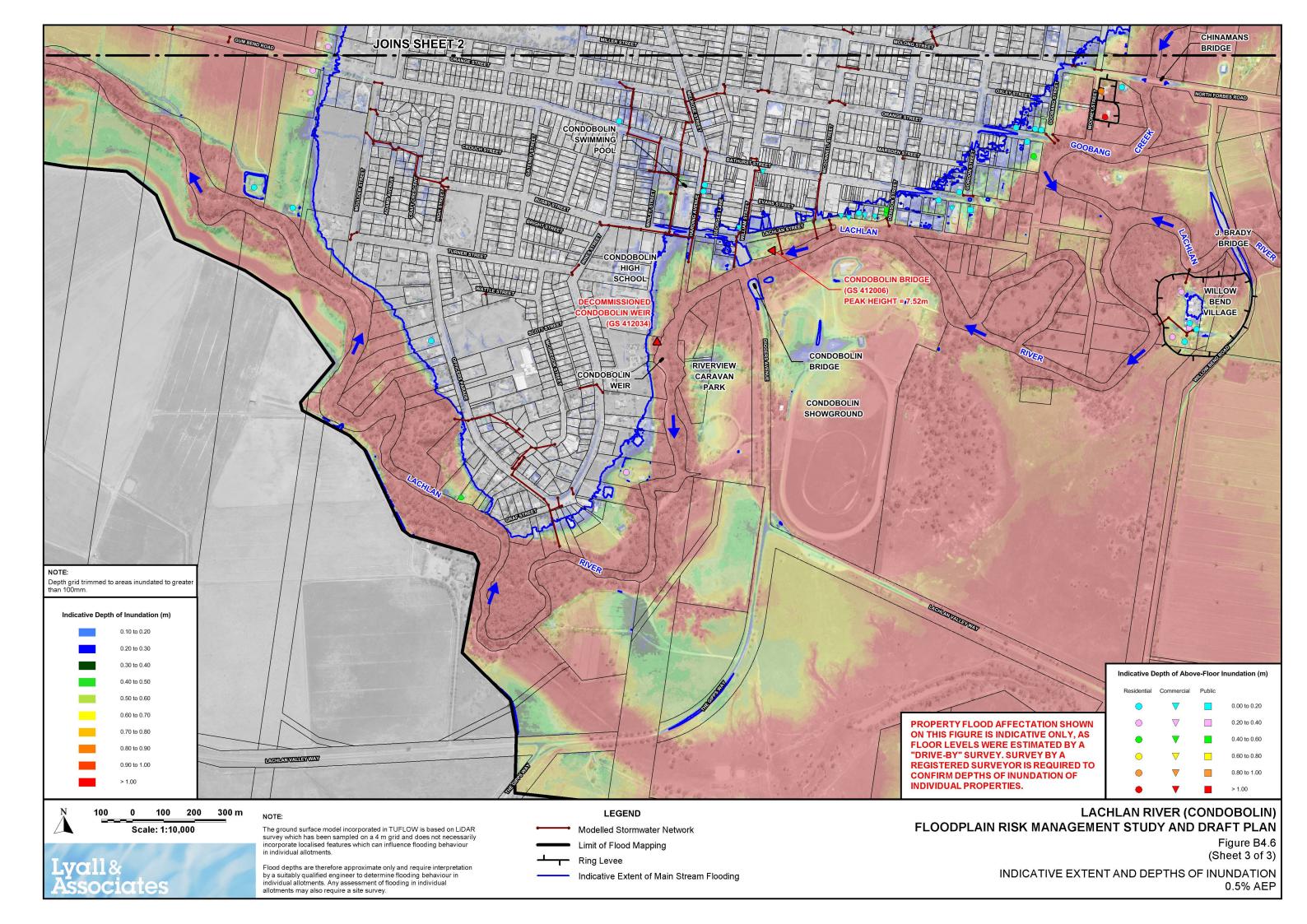










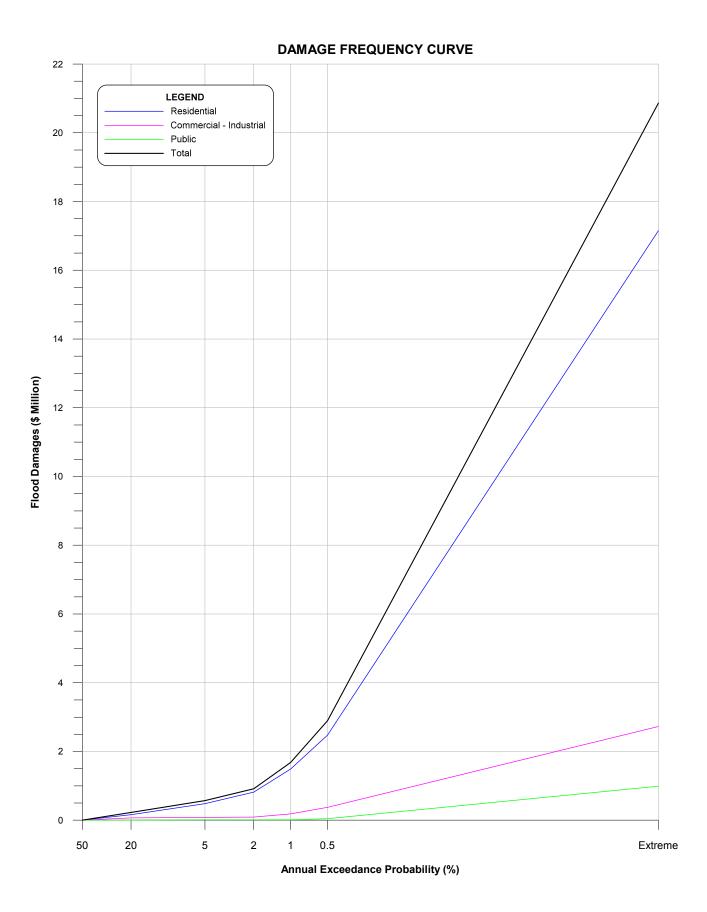


APPENDIX C

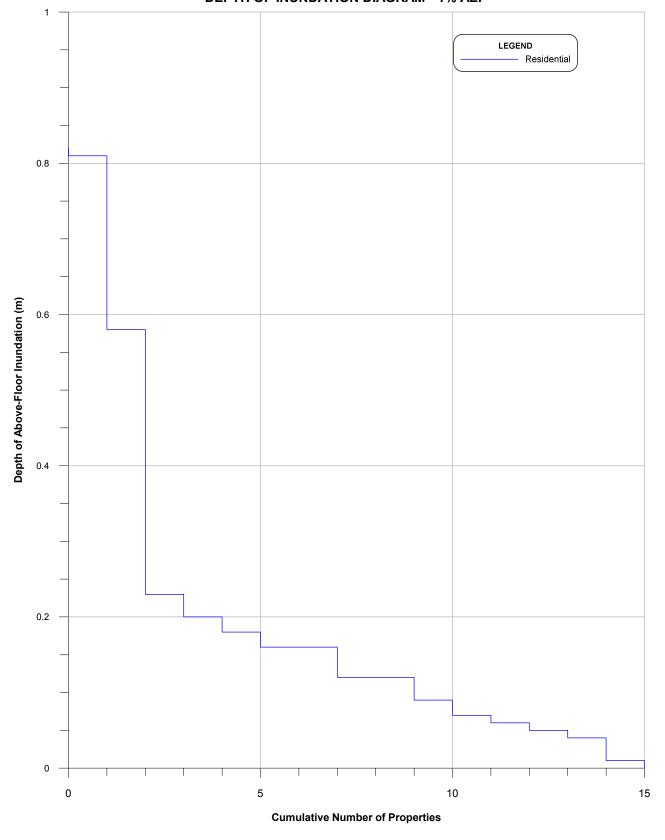
FLOOD DAMAGES

LIST OF FIGURES (APPENDIX C)

C8.1 Damage - Frequency Curves and Cumulative Flooded Properties versus Depth of Inundation Diagram (Nominal 1% AEP Design Flood Level Case)



CUMULATIVE FLOODED PROPERTIES VERSUS DEPTH OF INUNDATION DIAGRAM - 1% AEP (2)



LACHLAN RIVER (CONDOBOLIN) FLOODPLAIN RISK MANAGEMENT STUDY AND DRAFT PLAN

Figure C8.1

DAMAGE - FREQUENCY CURVES AND CUMULATIVE FLOODED PROPERTIES VERSUS DEPTH OF INUNDATION DIAGRAM (NOMINAL 1% AEP DESIGN FLOOD LEVEL CASE)

APPENDIX D

DRAFT FLOOD POLICY

LIST OF FIGURES (APPENDIX D)

- D1.1 Extract of Flood Planning Map Showing Extent of Flood Planning Area at Condobolin (3 Sheets)
- D1.2 Condobolin Development Controls Matrix Map (3 Sheets)
- D1.3 Condobolin Flood Hazard Map (3 Sheets)

