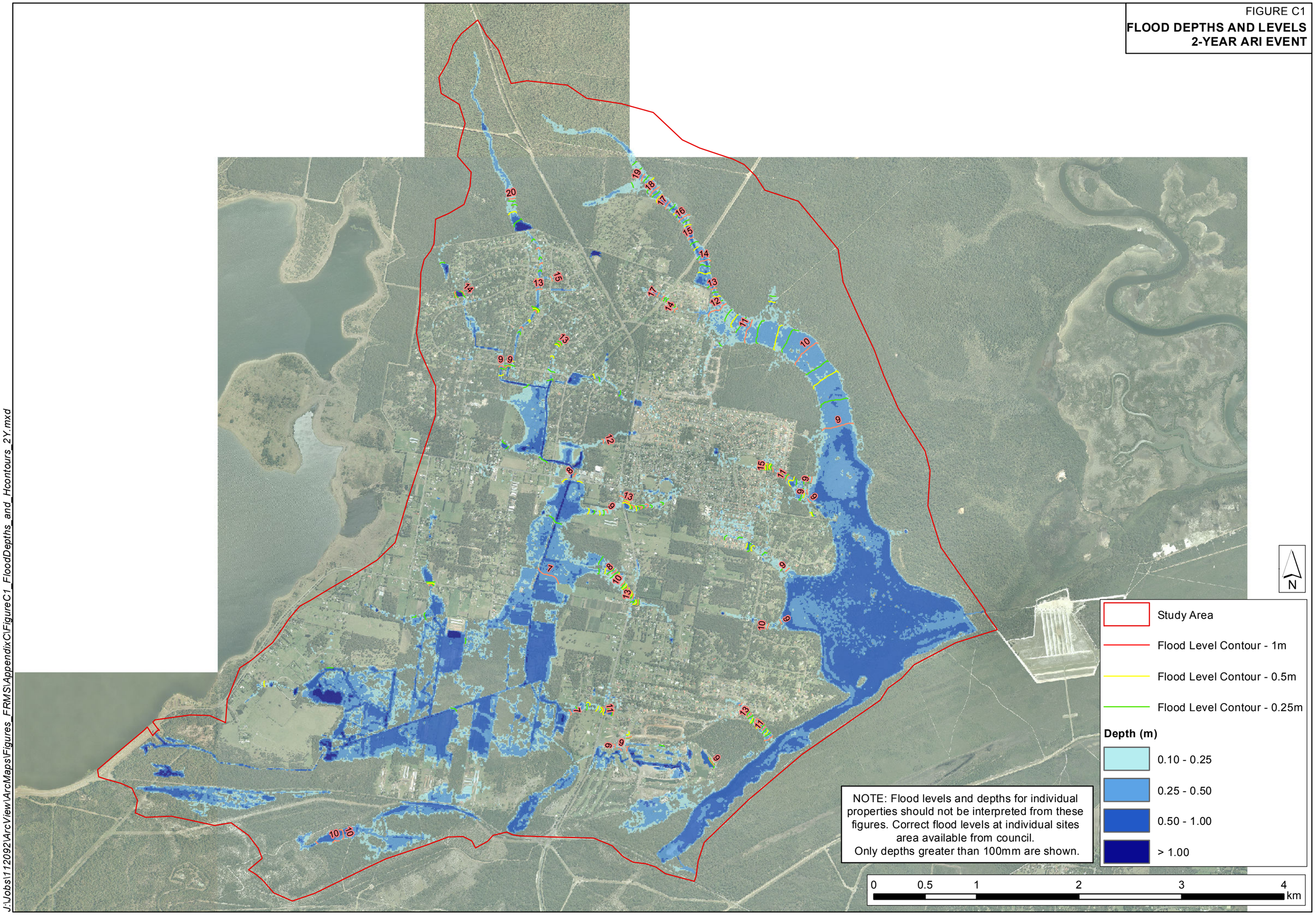
Appendix C

C. MAPPING – EXISTING FLOOD SITUATION

Appendix C - FIGURES

FIGURE C1

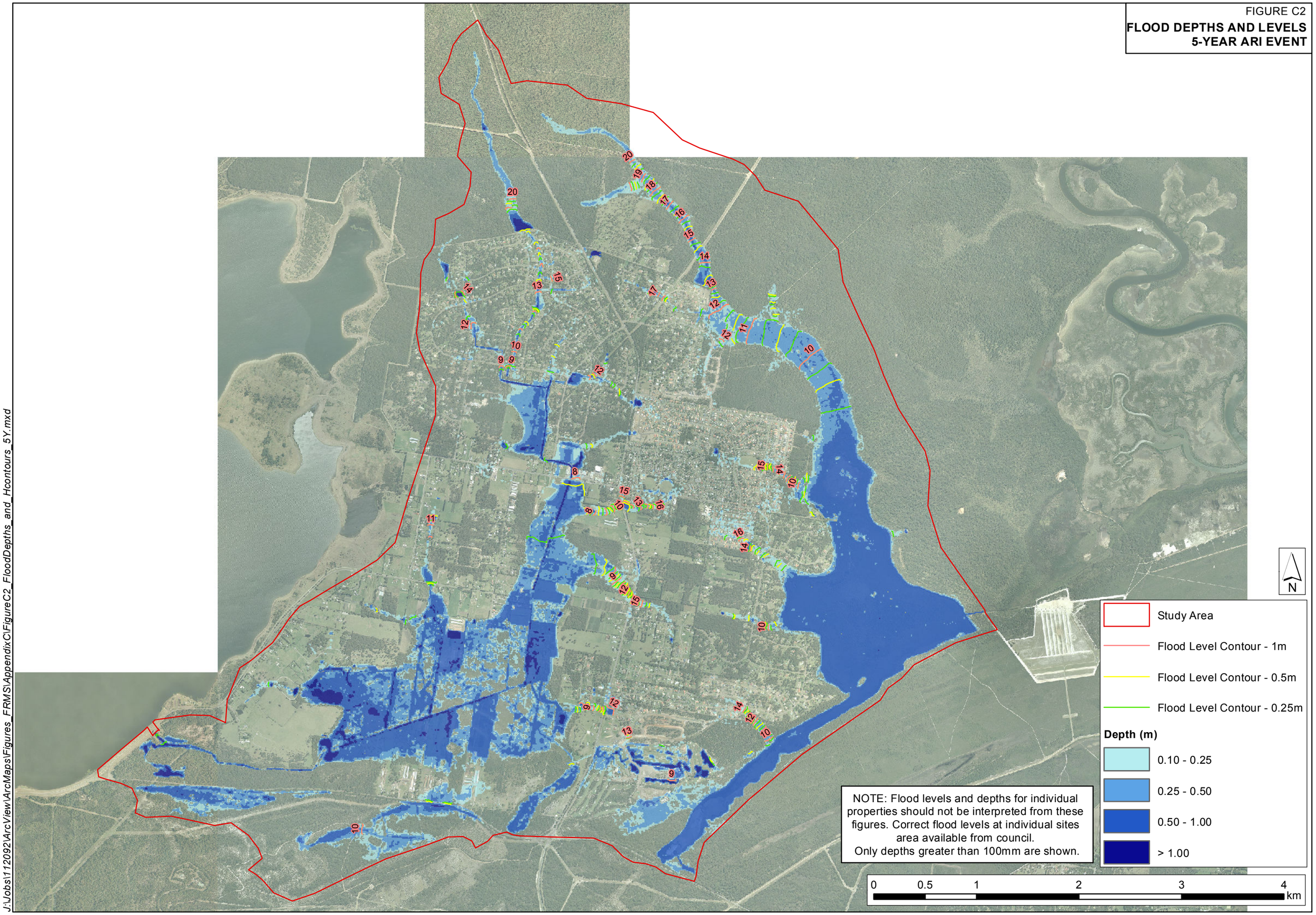
FLOOD DEPTHS AND LEVELS
2-YEAR ARI EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC1_FloodDepths_and_Hcontours_2Y.mxd

FIGURE C2

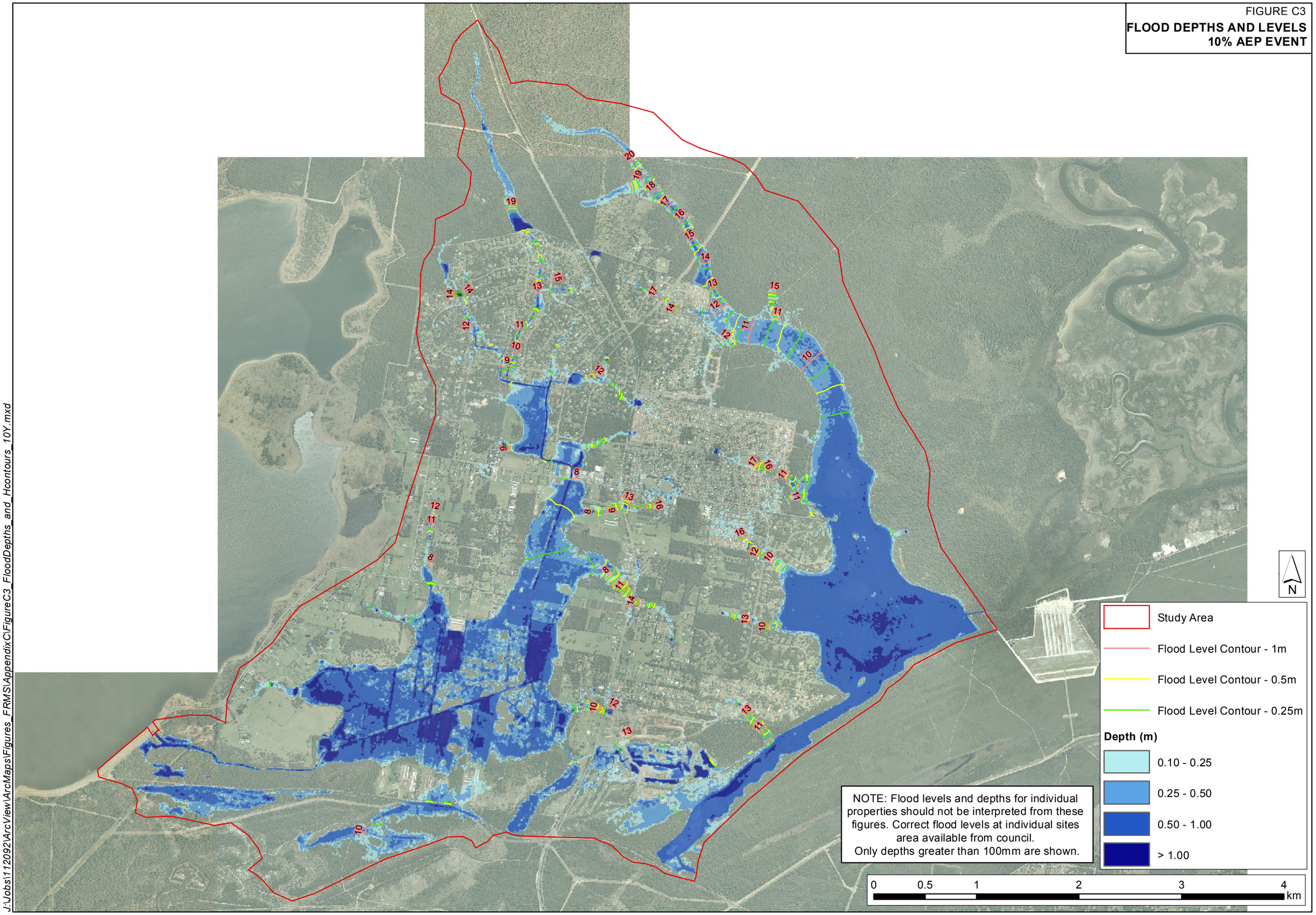
FLOOD DEPTHS AND LEVELS
5-YEAR ARI EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC2_FloodDepths_and_Hcontours_5Y.mxd

FIGURE C3

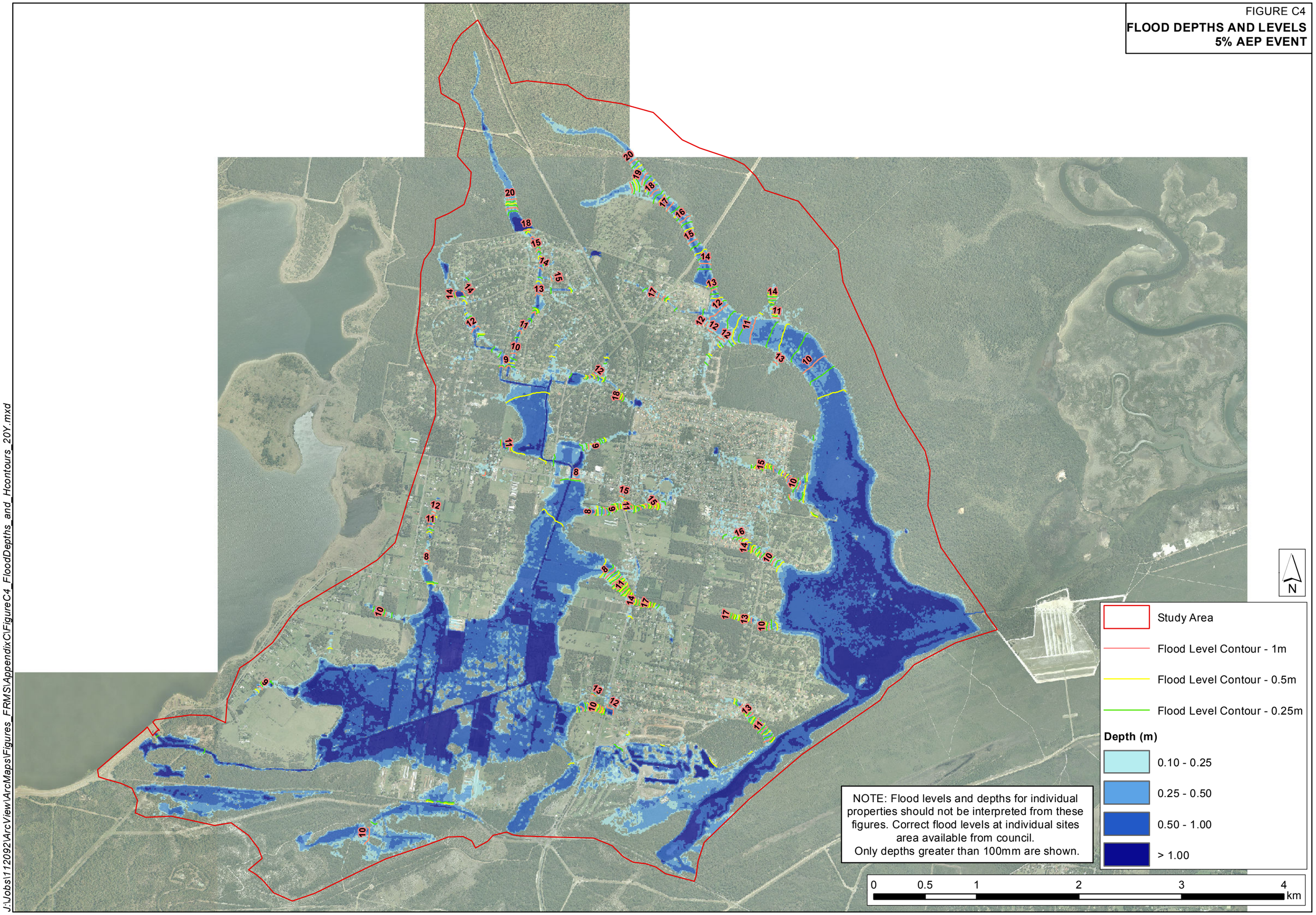
FLOOD DEPTHS AND LEVELS
10% AEP EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC3_FloodDepths_and_Hcontours_10Y.mxd

FIGURE C4

FLOOD DEPTHS AND LEVELS
5% AEP EVENT

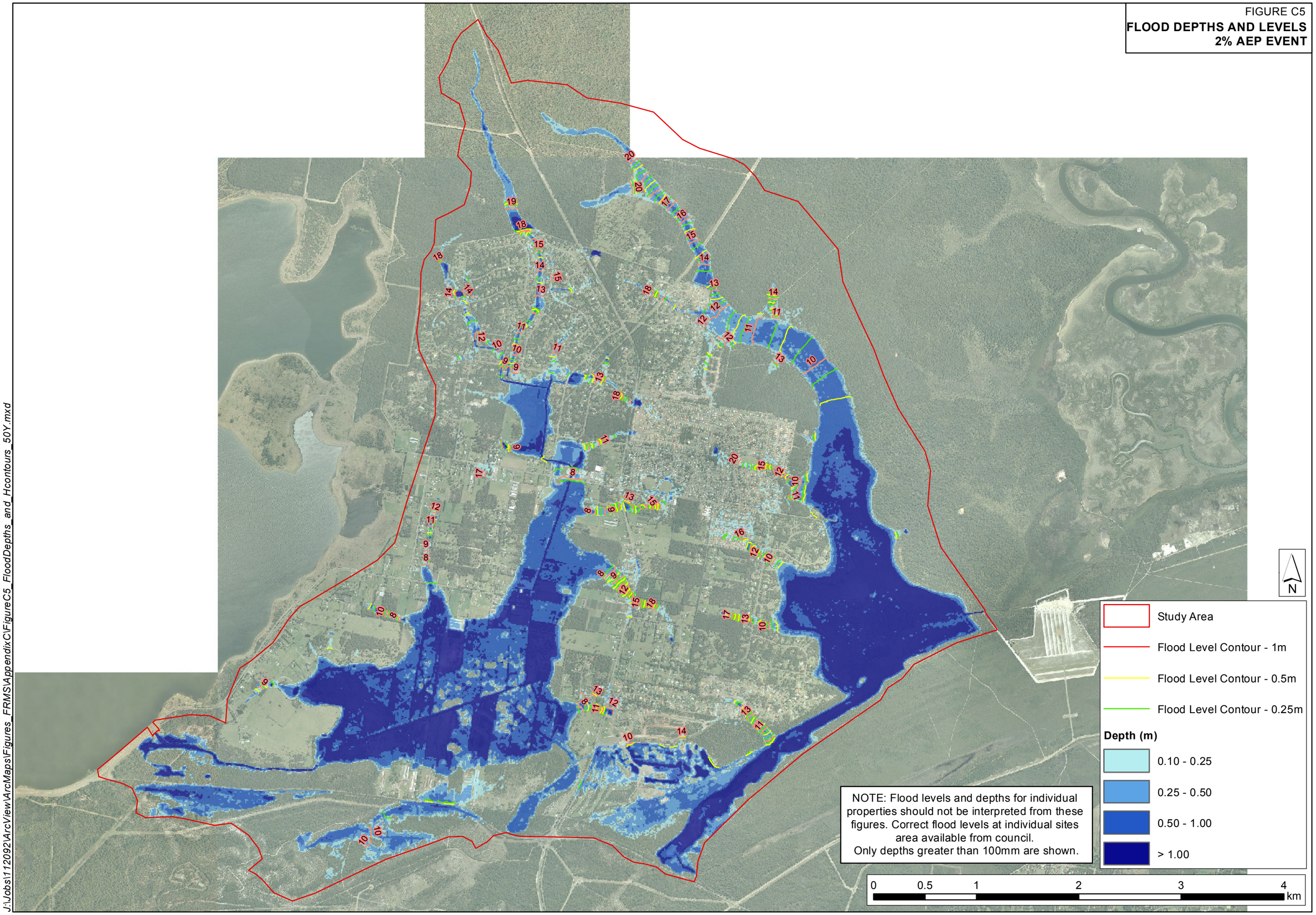


NOTE: Flood levels and depths for individual properties should not be interpreted from these figures. Correct flood levels at individual sites area available from council.
Only depths greater than 100mm are shown.

J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC4_FloodDepths_and_Hcontours_20Y.mxd

FIGURE C5

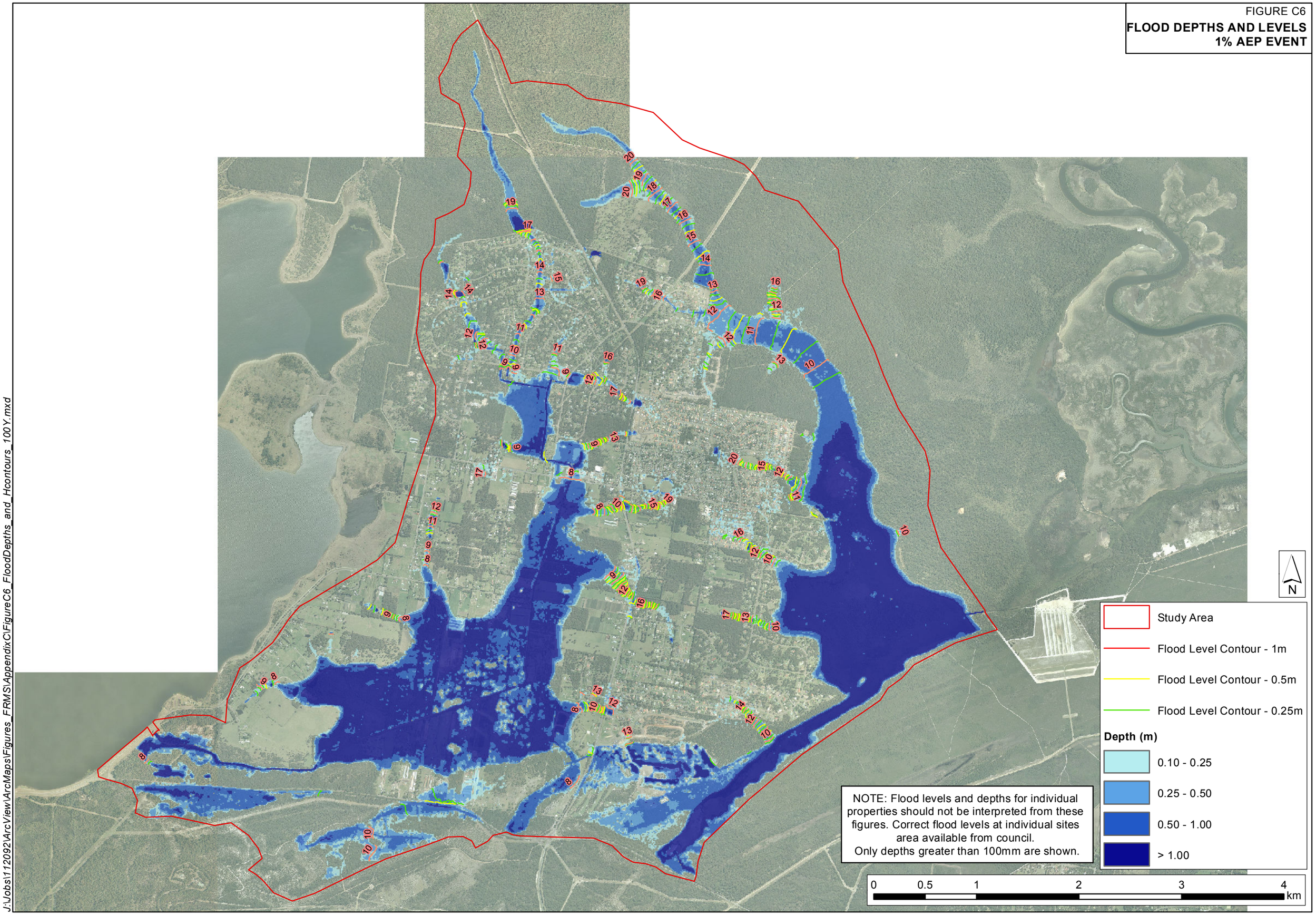
FLOOD DEPTHS AND LEVELS
2% AEP EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC5_FloodDepths_and_Hcontours_50Y.mxd

FIGURE C6

FLOOD DEPTHS AND LEVELS
1% AEP EVENT

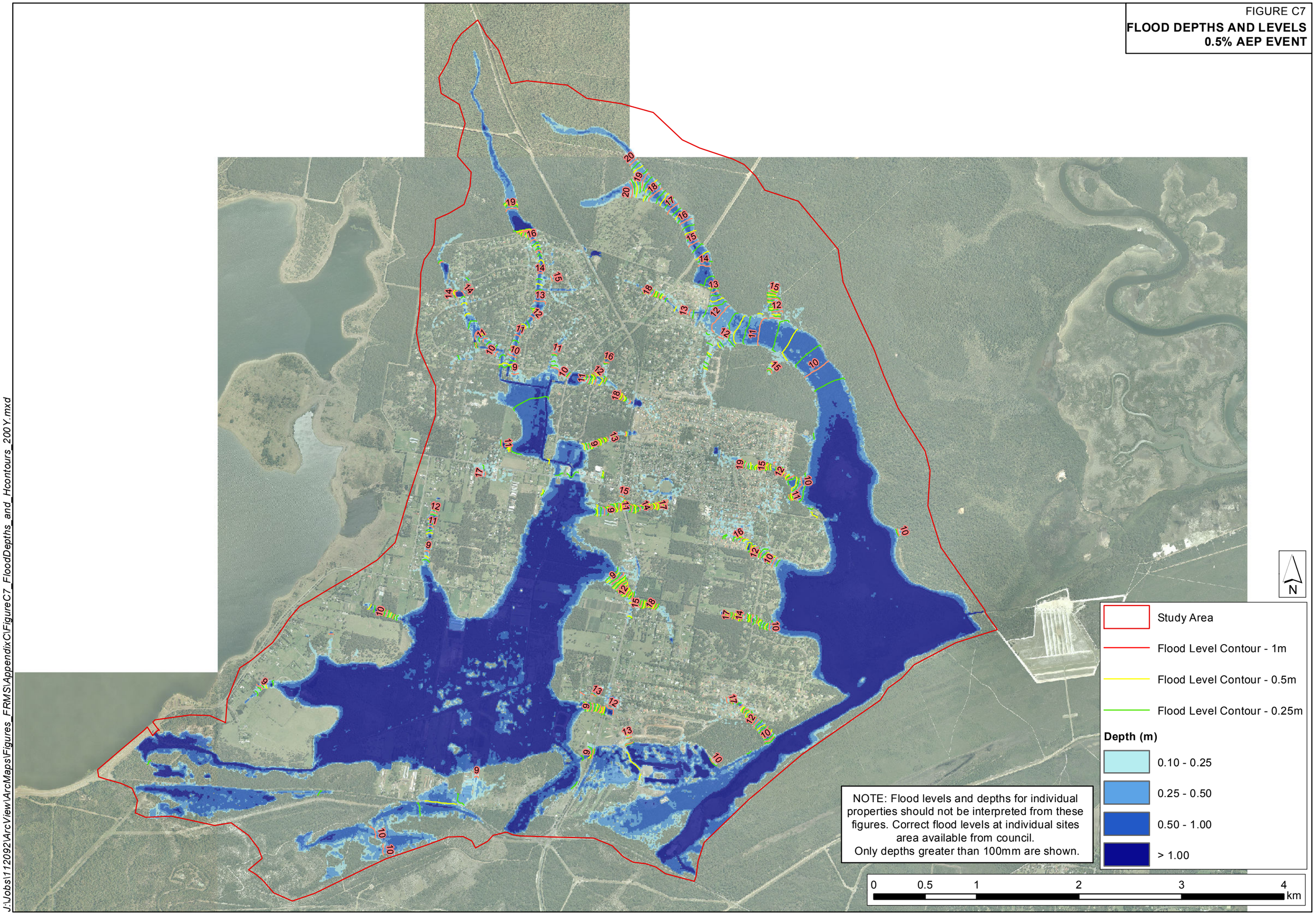


NOTE: Flood levels and depths for individual properties should not be interpreted from these figures. Correct flood levels at individual sites area available from council.
Only depths greater than 100mm are shown.

J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC6_FloodDepths_and_Hcontours_100Y.mxd

FIGURE C7

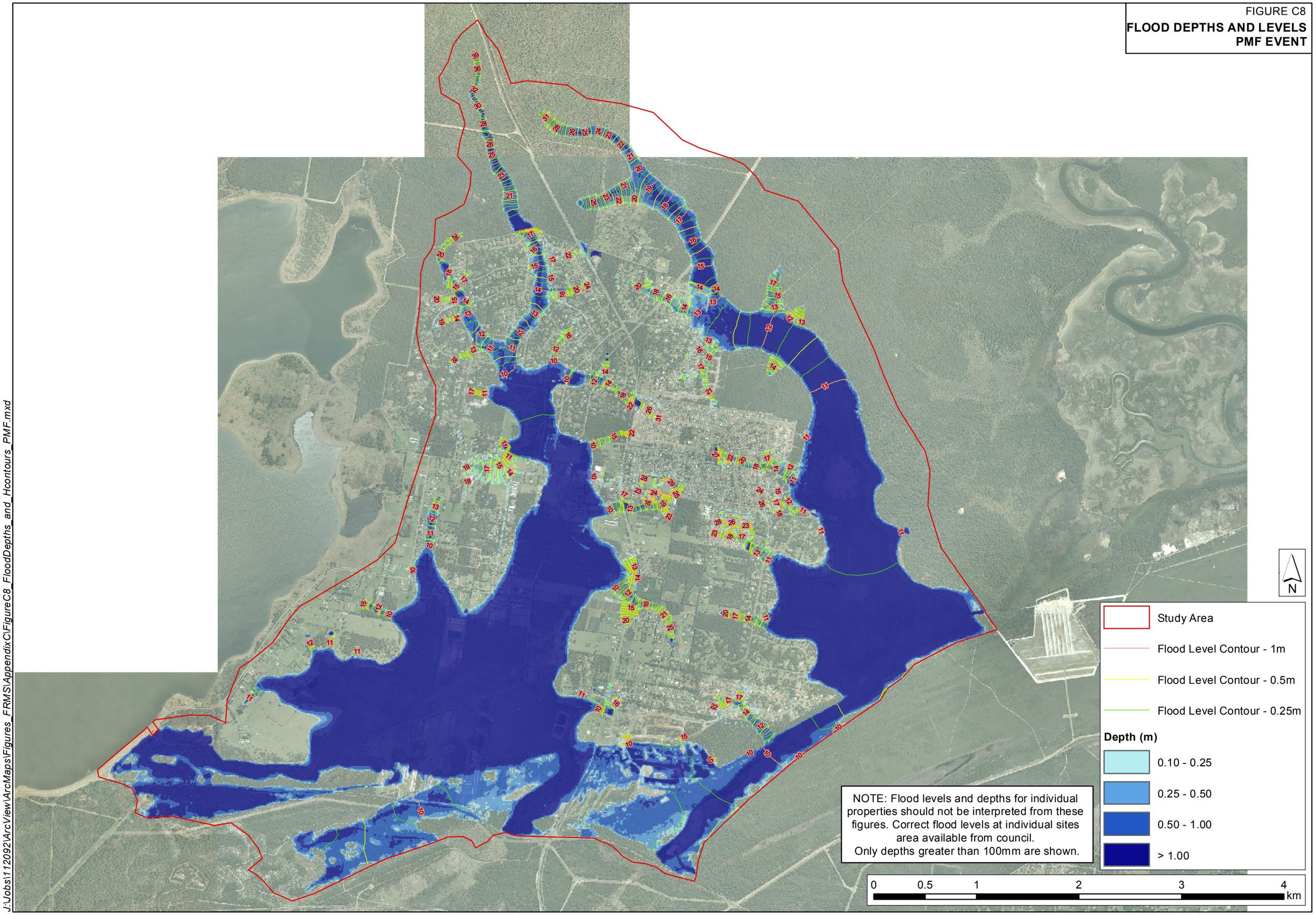
FLOOD DEPTHS AND LEVELS
0.5% AEP EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC7_FloodDepths_and_Hcontours_200Y.mxd

FIGURE C8

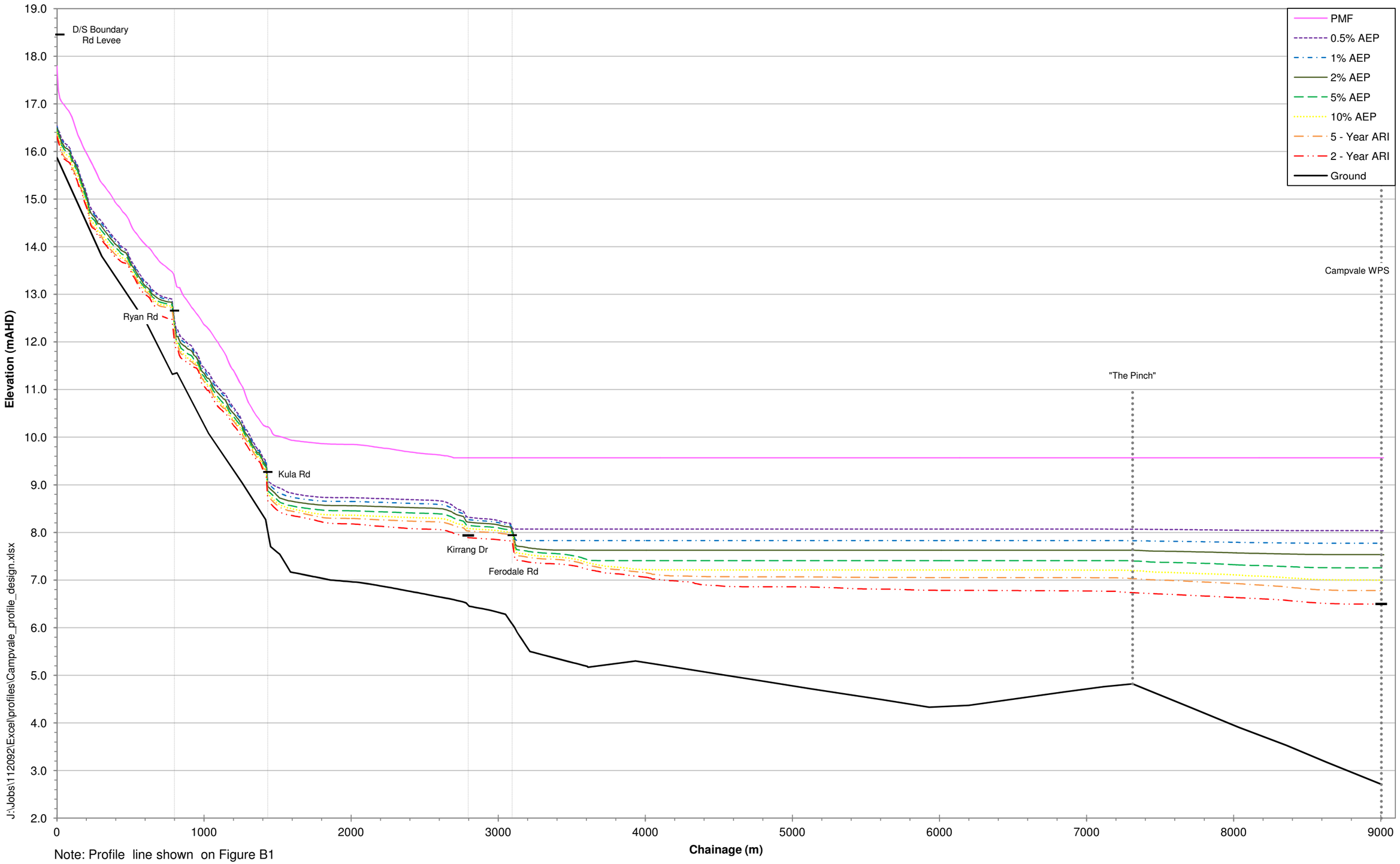
FLOOD DEPTHS AND LEVELS
PMF EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC8_FloodDepths_and_Hcontours_PMF.mxd

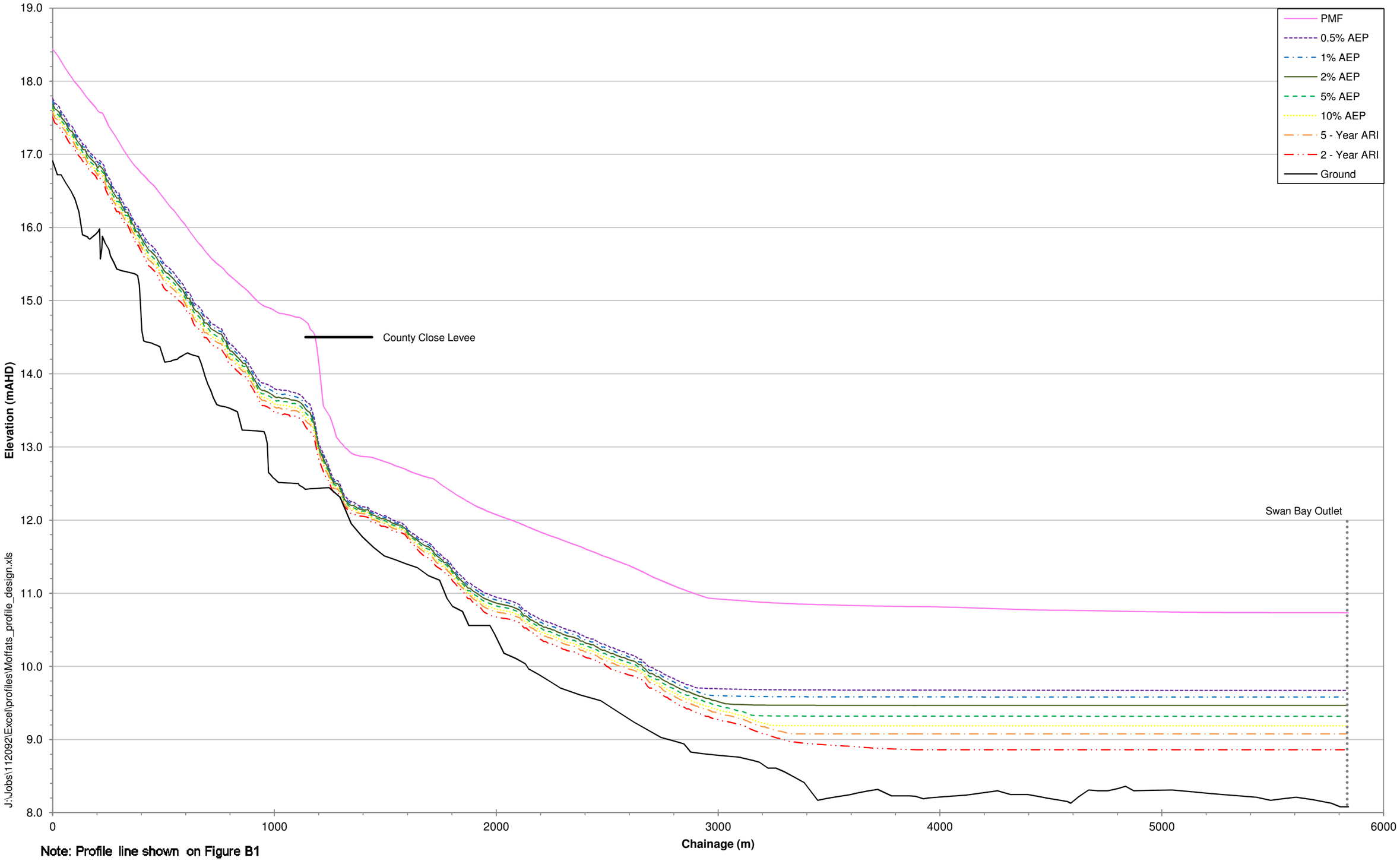
FIGURE C9

CAMPVALE DRAIN - DESIGN FLOOD PROFILES



Note: Profile line shown on Figure B1

FIGURE C10
MOFFATS SWAMP - DESIGN FLOOD PROFILES



Note: Profile line shown on Figure B1

FIGURE C11

PEAK FLOOD VELOCITY AND FLOW DISTRIBUTION
1% AEP EVENT

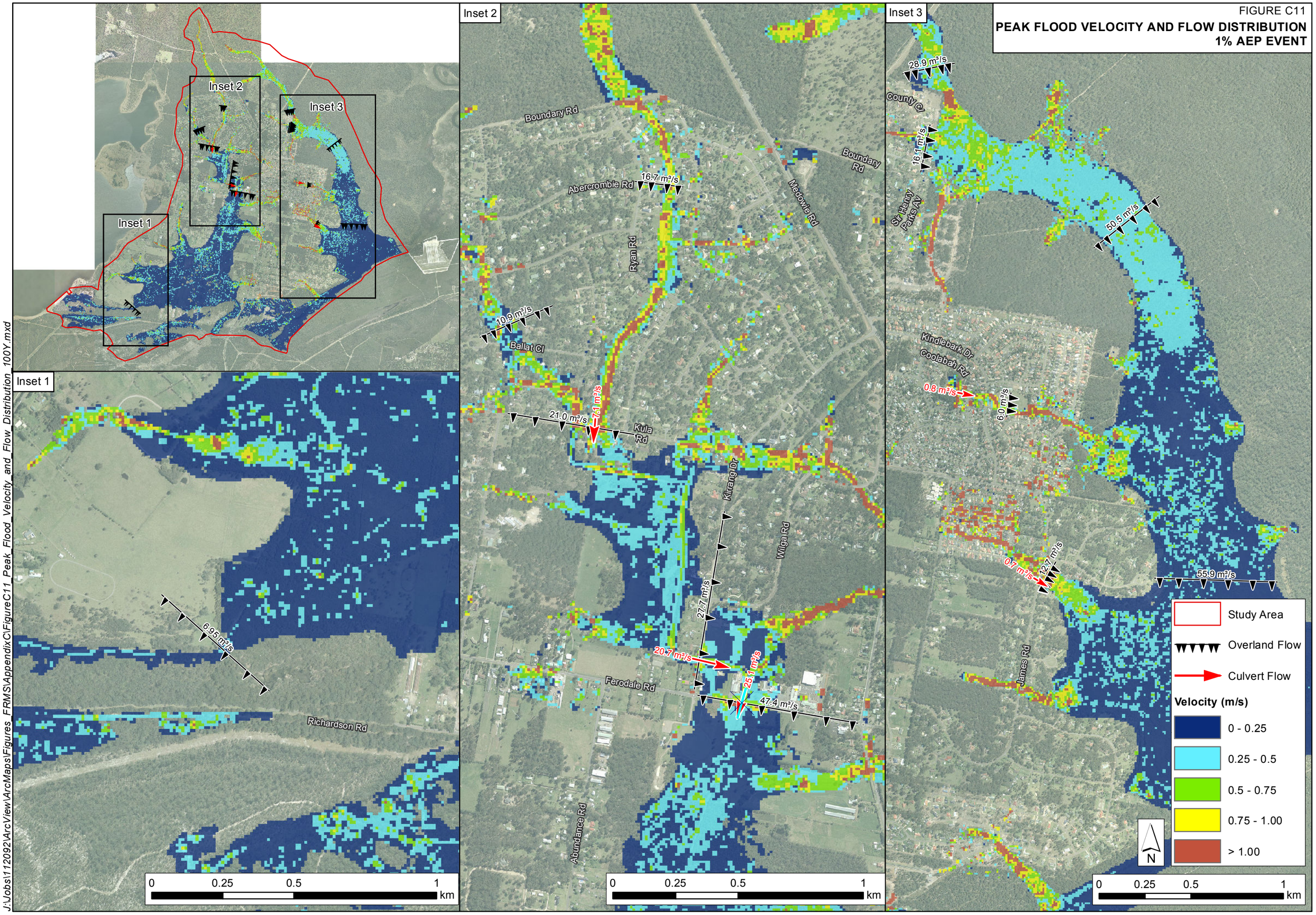


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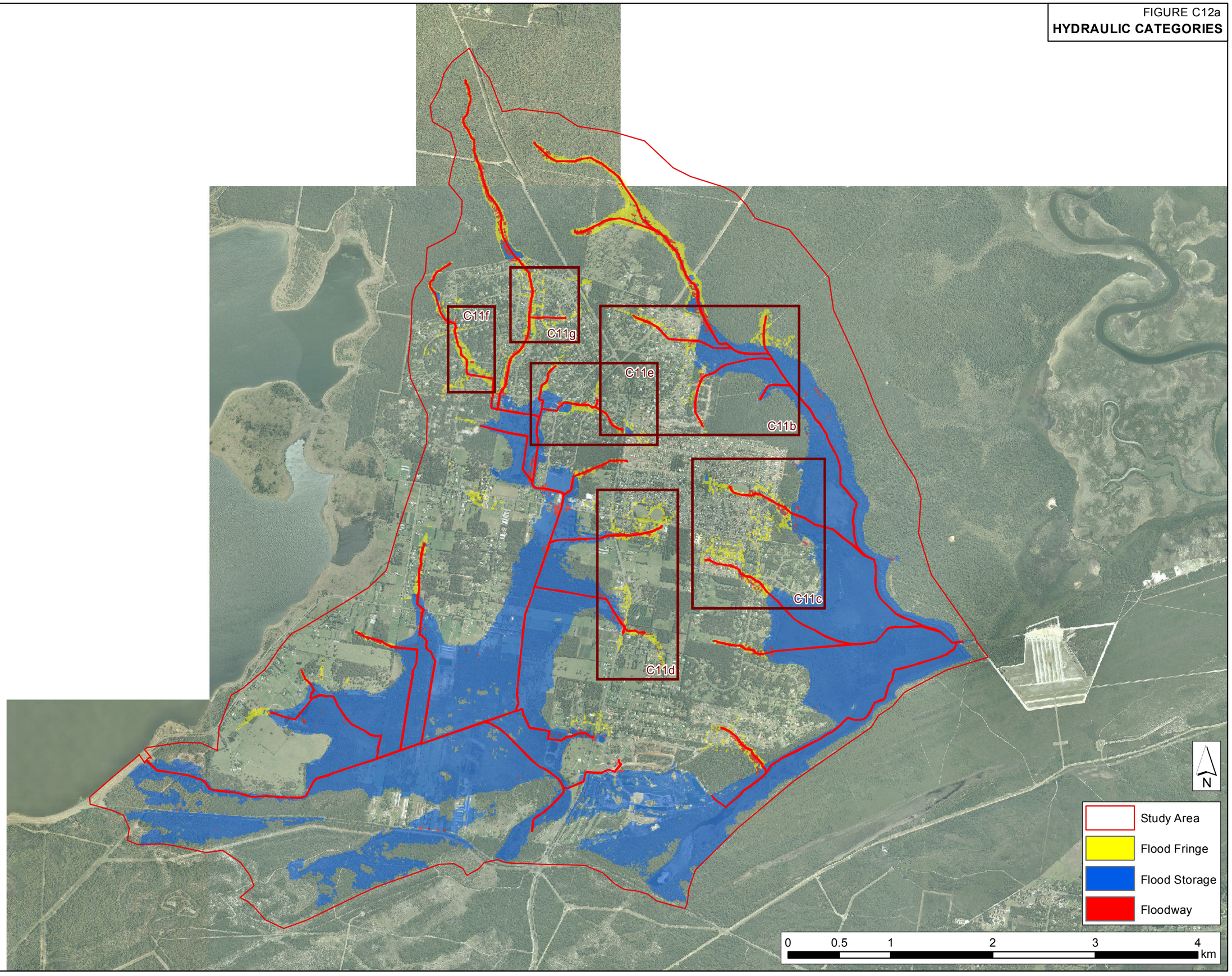
FIGURE C12a
HYDRAULIC CATEGORIES



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC12a_Hydraulic_Categories.mxd

FIGURE C12b
HYDRAULIC CATEGORIES

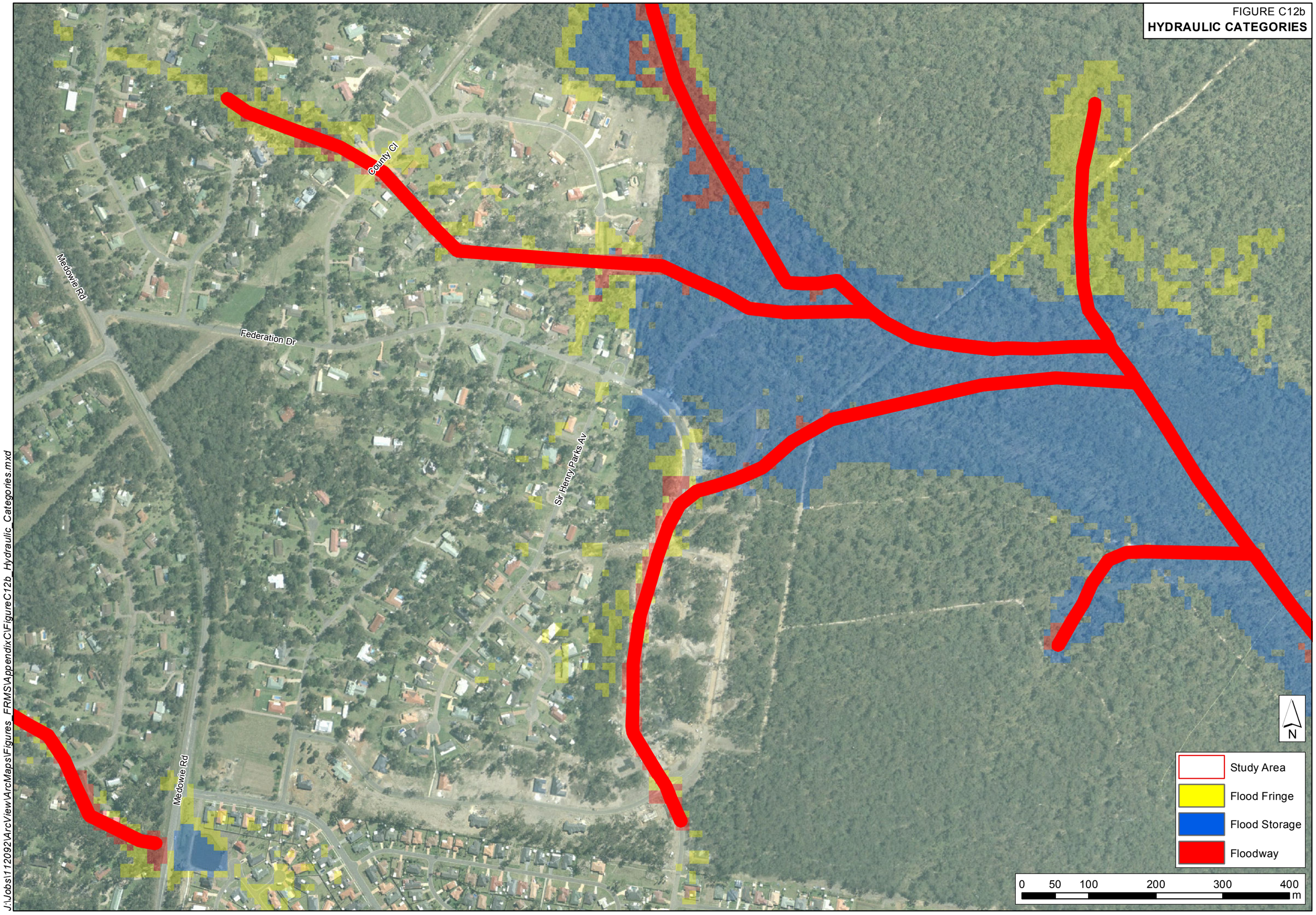


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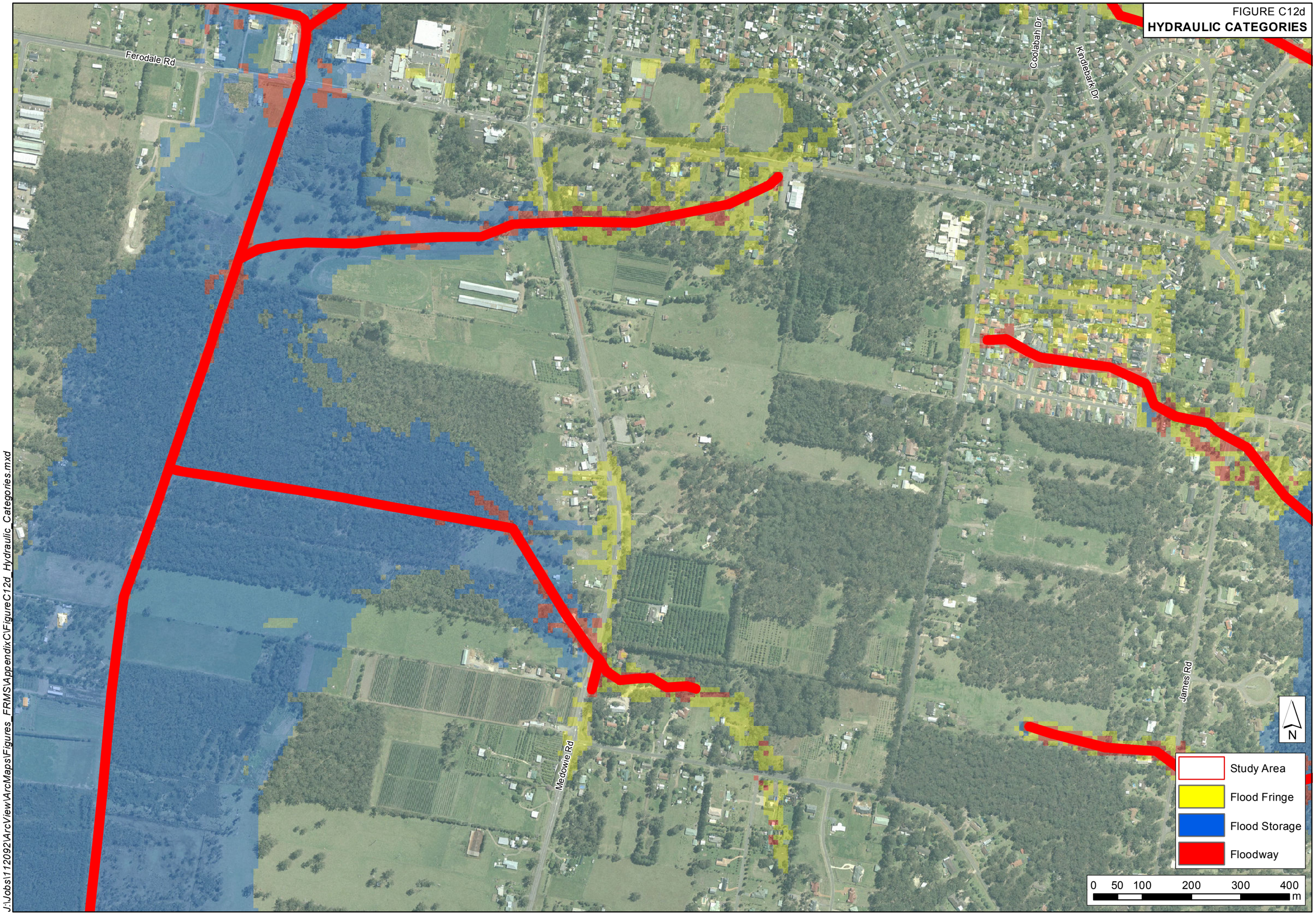
FIGURE C12c
HYDRAULIC CATEGORIES

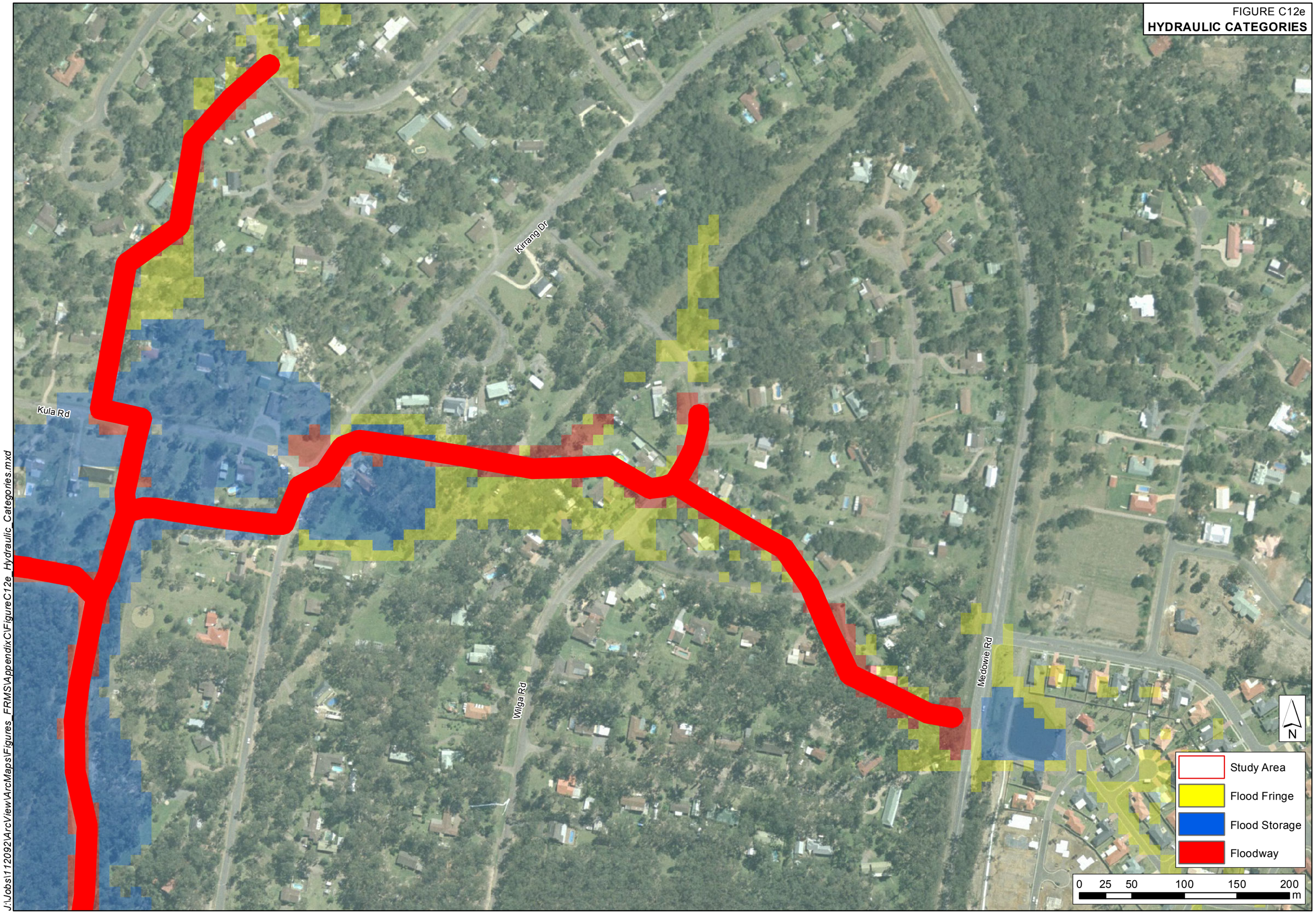
J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC12c_Hydraulic_Categories.mxd

FIGURE C12d
HYDRAULIC CATEGORIES



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC12d_Hydraulic_Categories.mxd

FIGURE C12e
HYDRAULIC CATEGORIES



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC12e_Hydraulic_Categories.mxd

FIGURE C12f
HYDRAULIC CATEGORIES

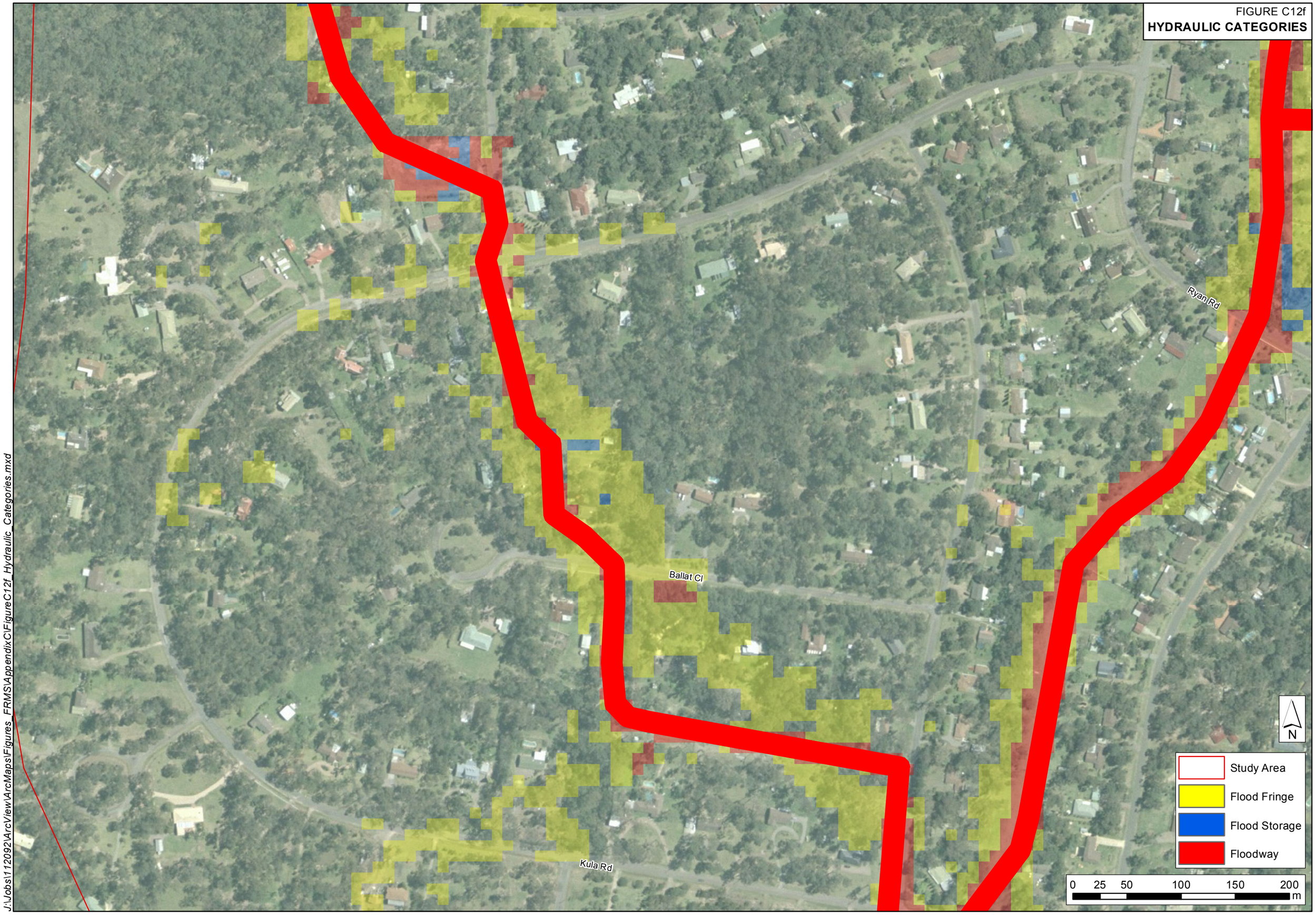


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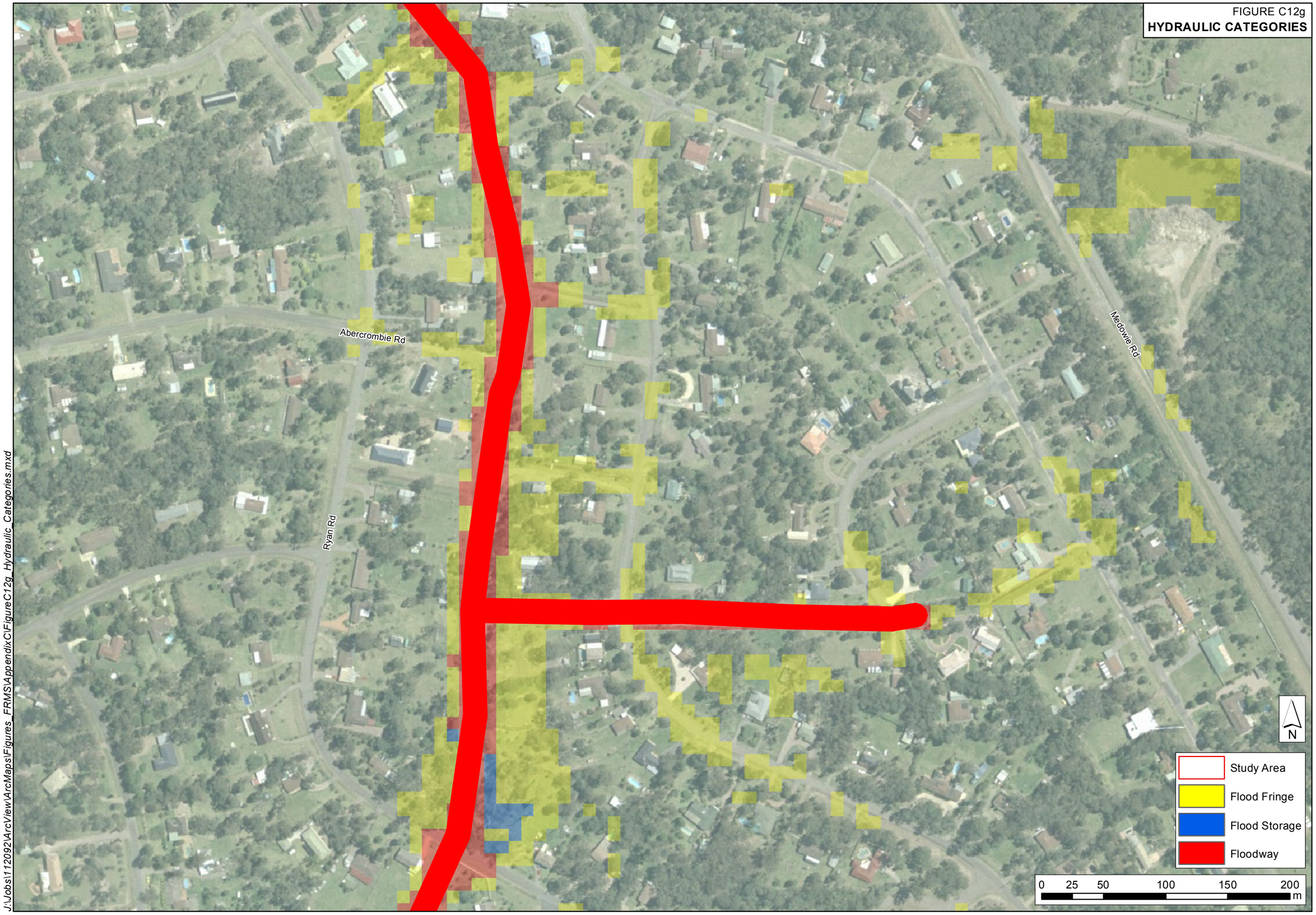
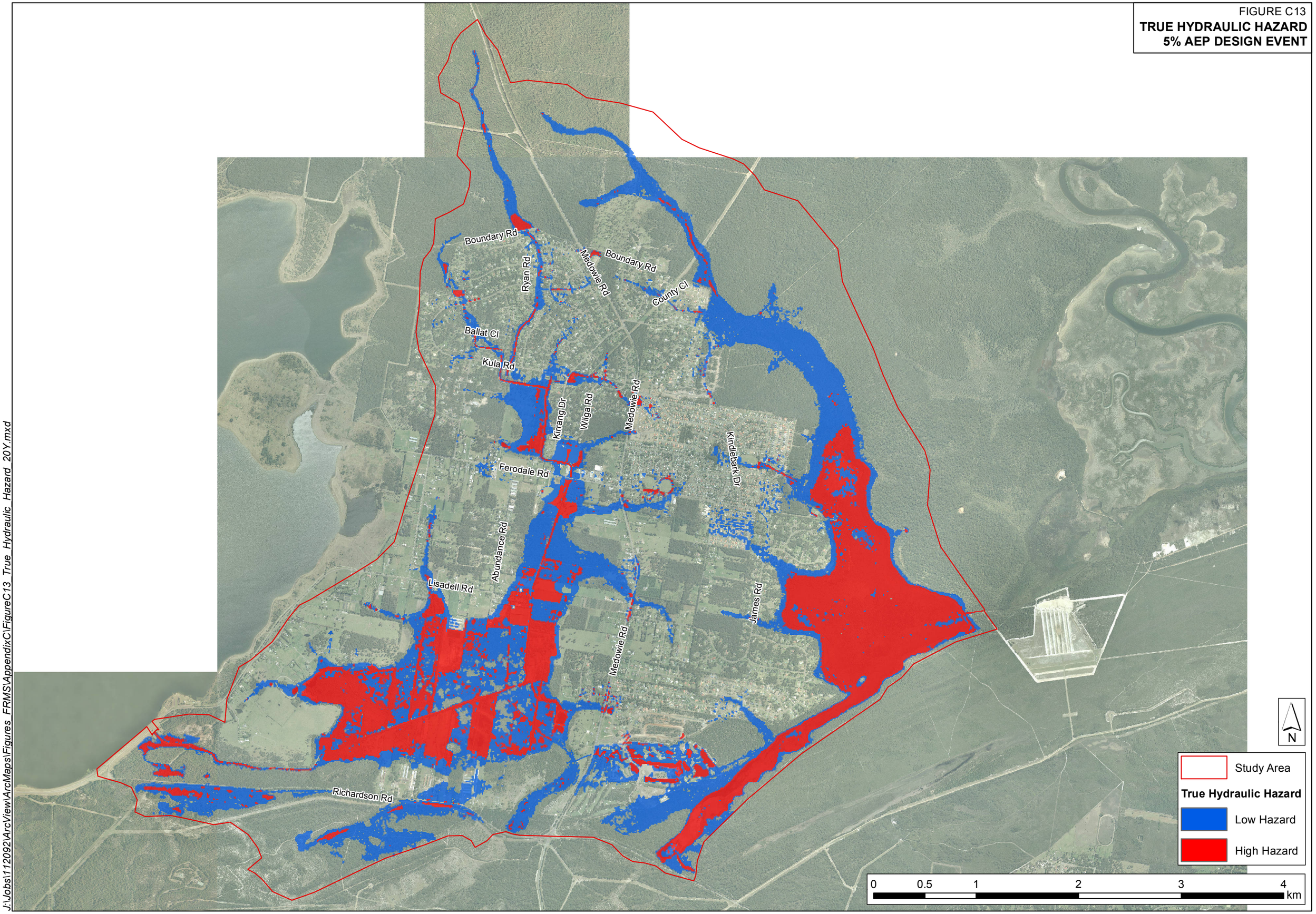
FIGURE C12g
HYDRAULIC CATEGORIES



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC12g_Hydraulic_Categories.mxd

FIGURE C13

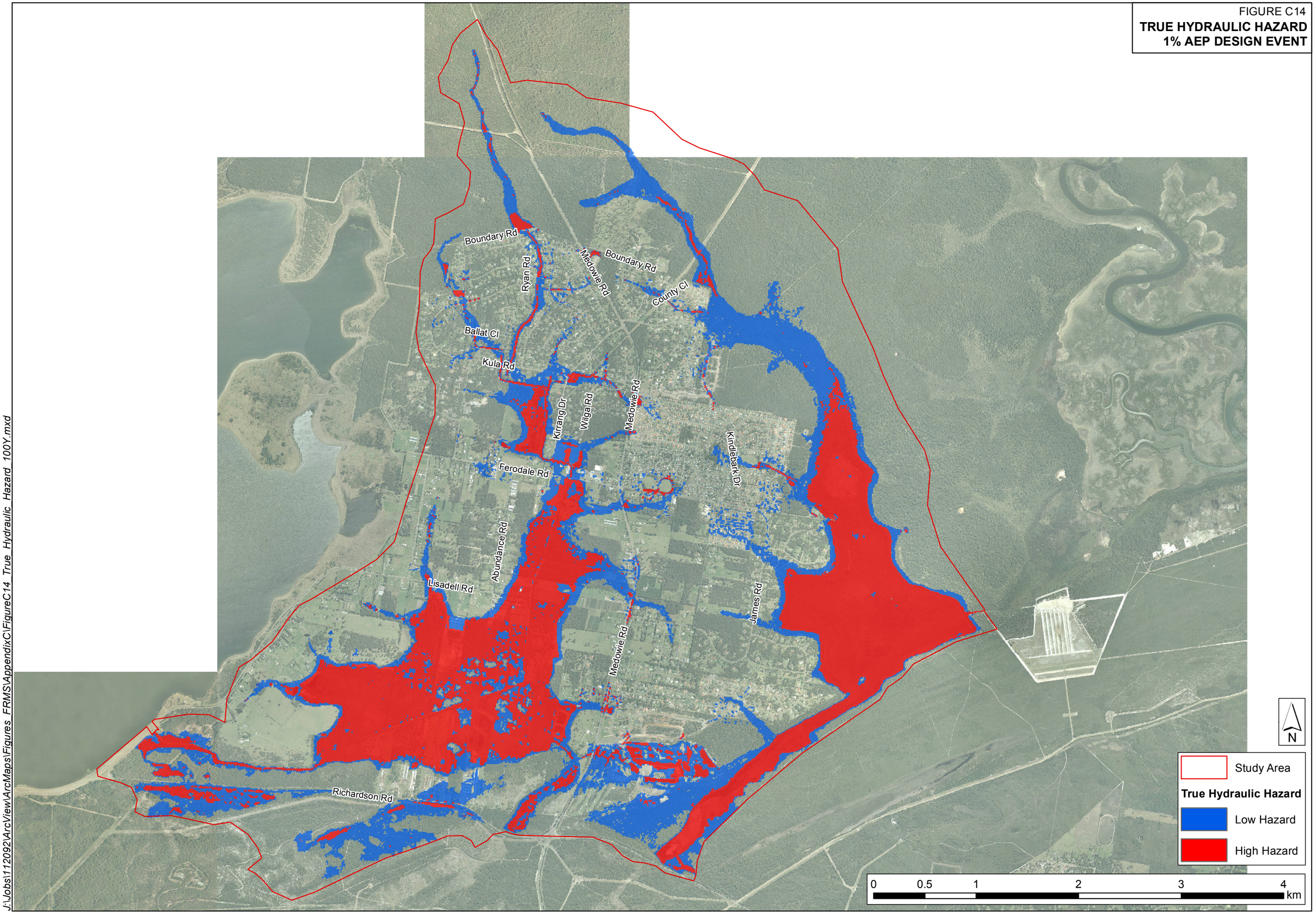
TRUE HYDRAULIC HAZARD
5% AEP DESIGN EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC13_True_Hydraulic_Hazard_20Y.mxd

FIGURE C14

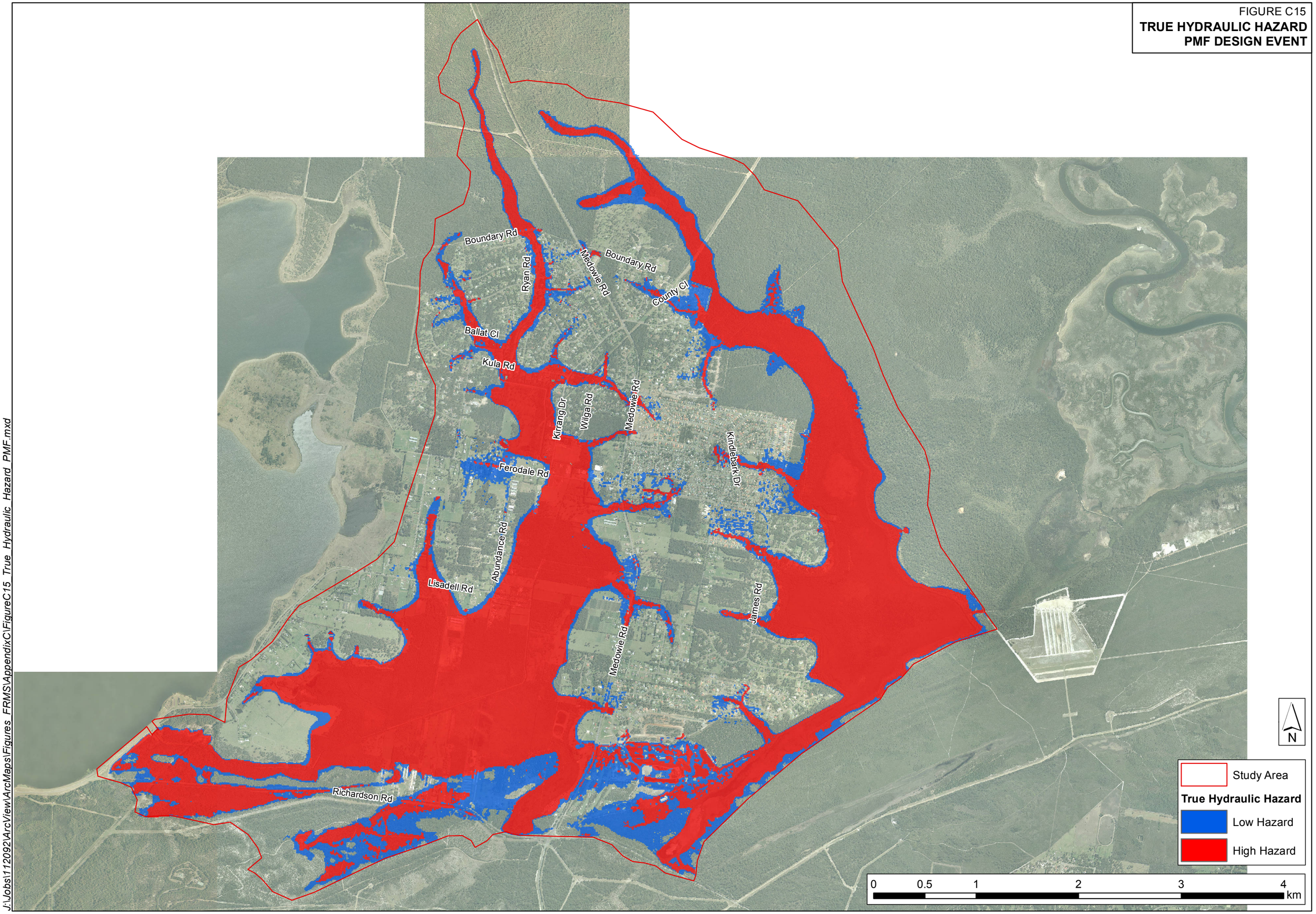
TRUE HYDRAULIC HAZARD
1% AEP DESIGN EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC14_True_Hydraulic_Hazard_100Y.mxd

FIGURE C15

TRUE HYDRAULIC HAZARD
PMF DESIGN EVENT



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixC\FigureC15_True_Hydraulic_Hazard_PMF.mxd

Appendix D

D. MAPPING - RECOMMENDED FLOOD MITIGATION OPTIONS

FIGURE D1a
CHANNEL MODIFICATION: OPTION A2
CROSS SECTION LOCATIONS

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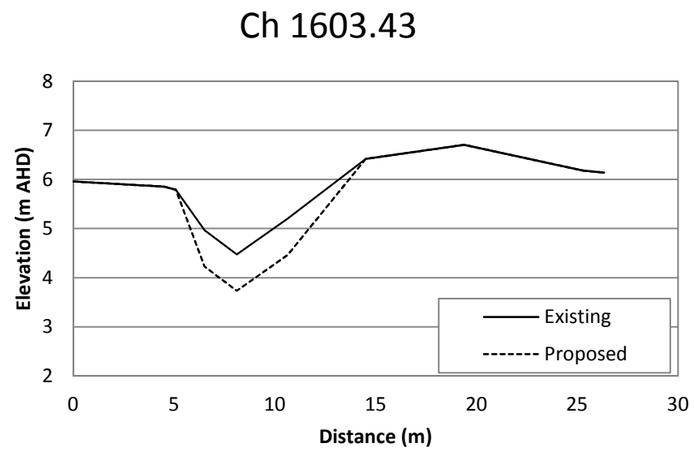
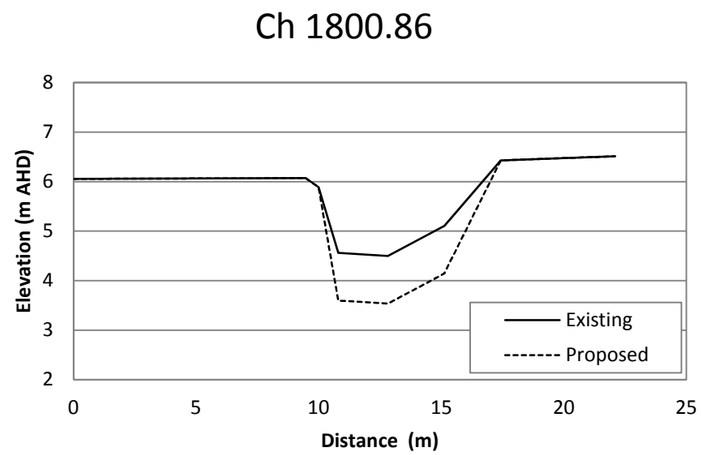
FIGURE D1b

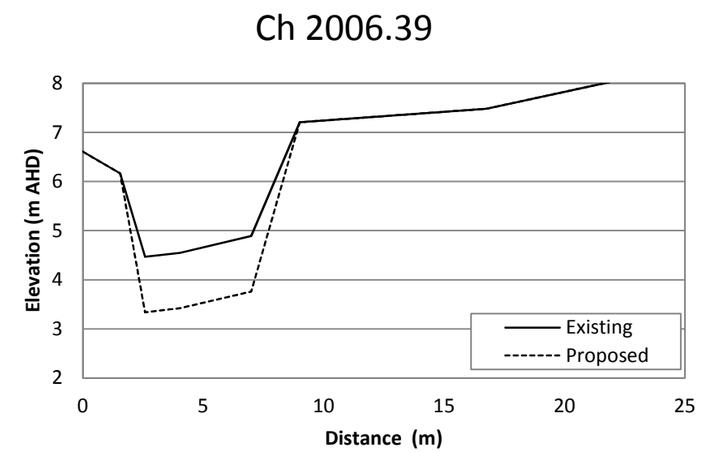
CHANNEL MODIFICATION: OPTION A2

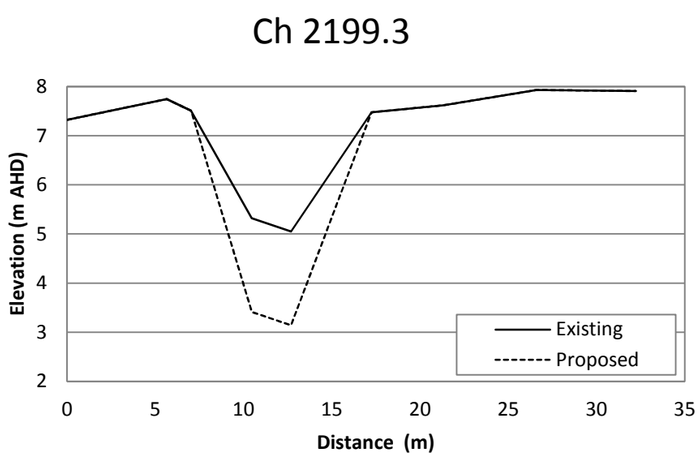
CAMPVALE DRAIN EXISTING AND PROPOSED CROSSECTIONS AND CHANNEL INVERTS

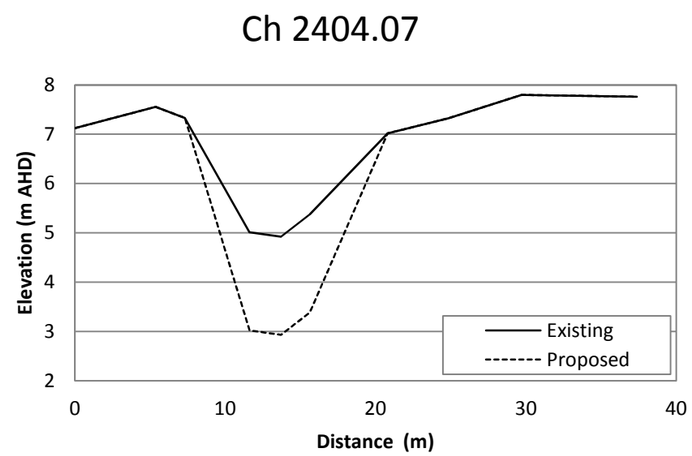
Note: See figure D1a for cross section locations

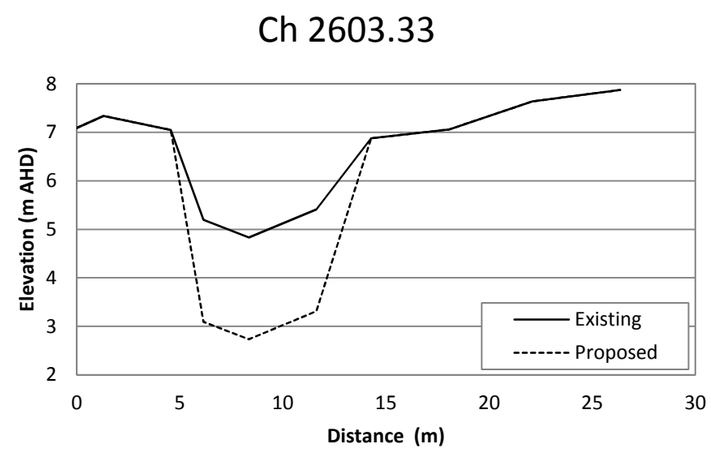


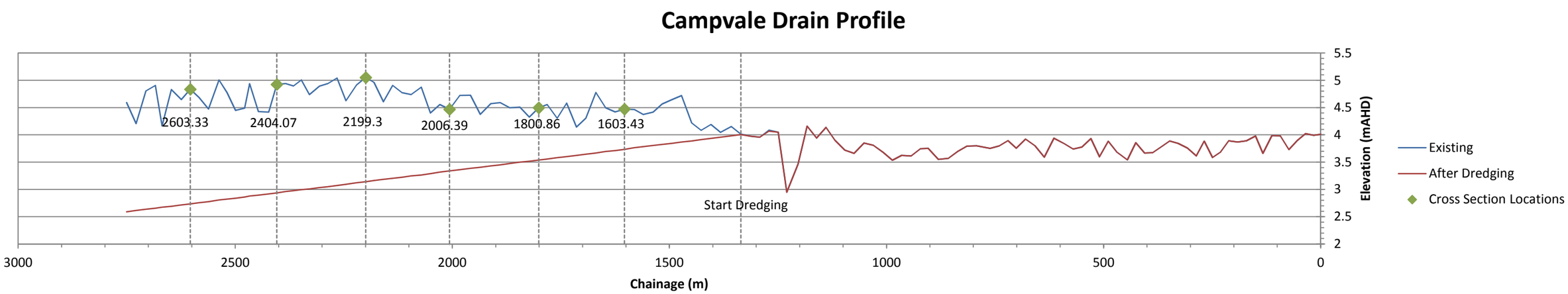








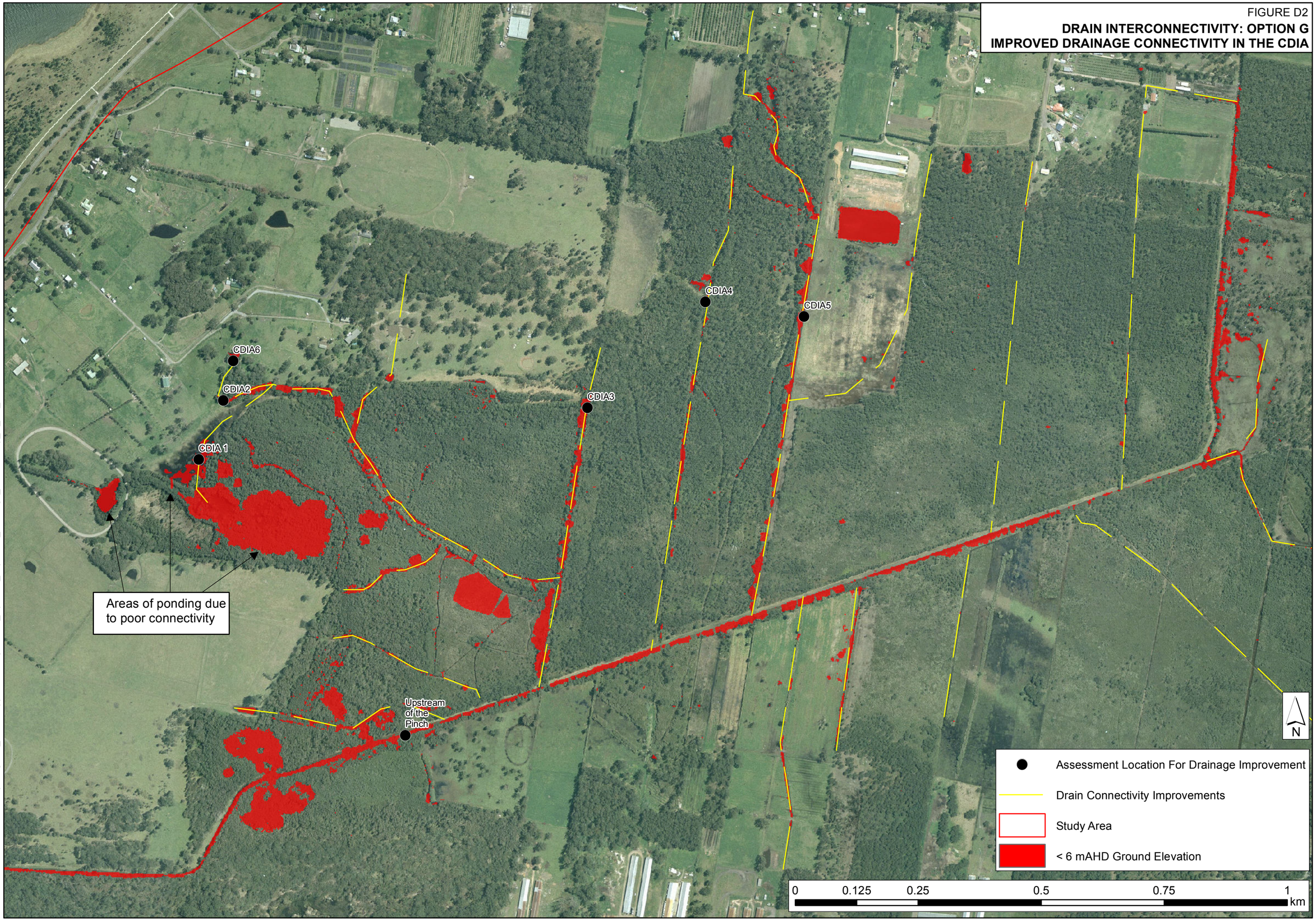




J:\Jobs\112092\Excel\FigureD1_Crossection.xlsx

FIGURE D2

DRAIN INTERCONNECTIVITY: OPTION G
IMPROVED DRAINAGE CONNECTIVITY IN THE CDIA



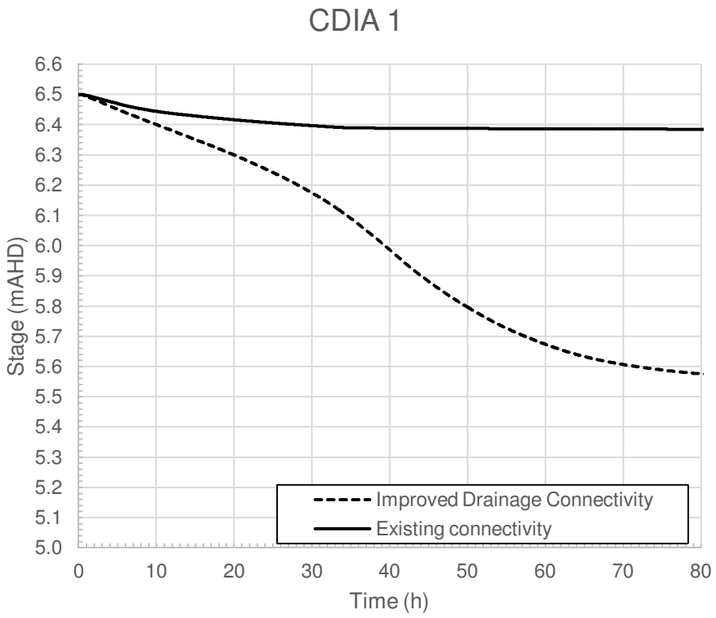
J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixD\FigureD02_OptionG_Improved_Drainage_Connectivity_in_the_CDIA.mxd

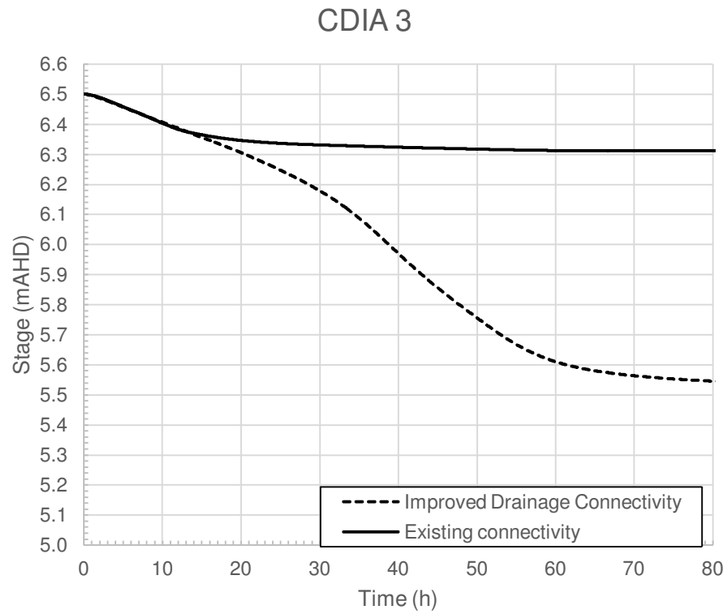
FIGURE D3

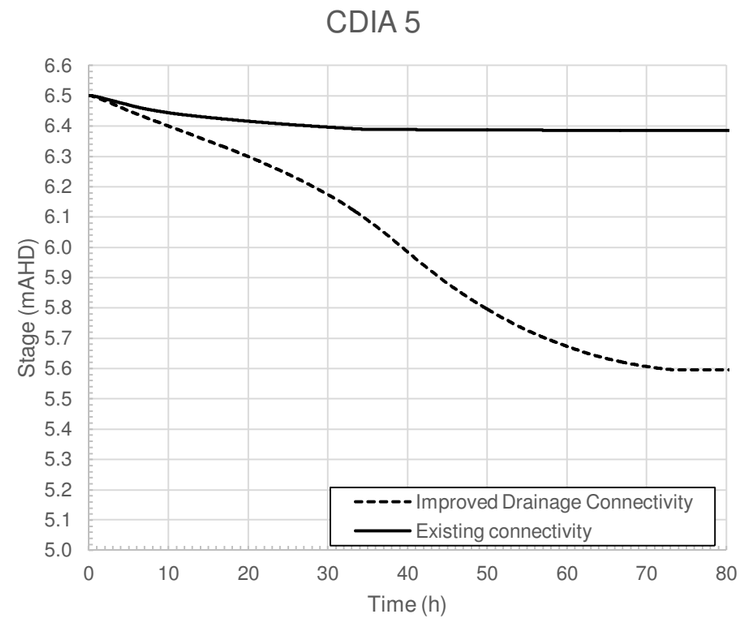
CHANGE IN DOWN TIMES

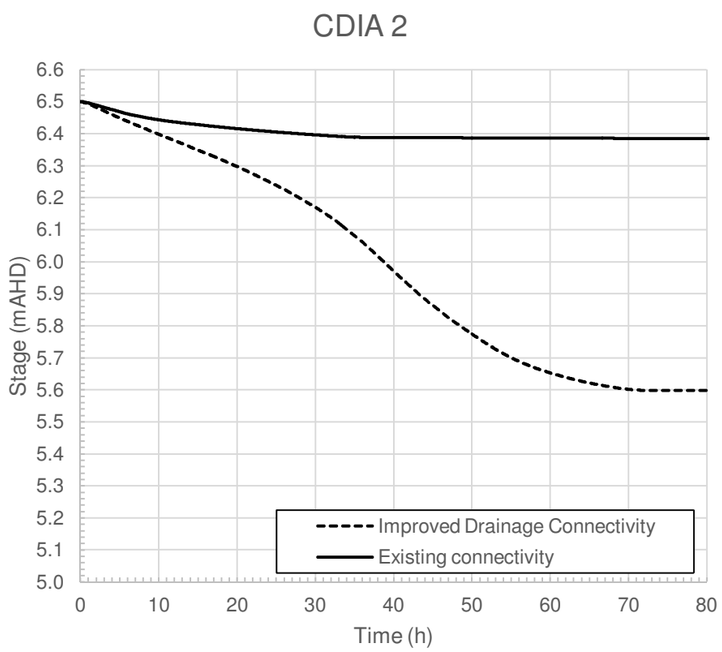
OPTION G

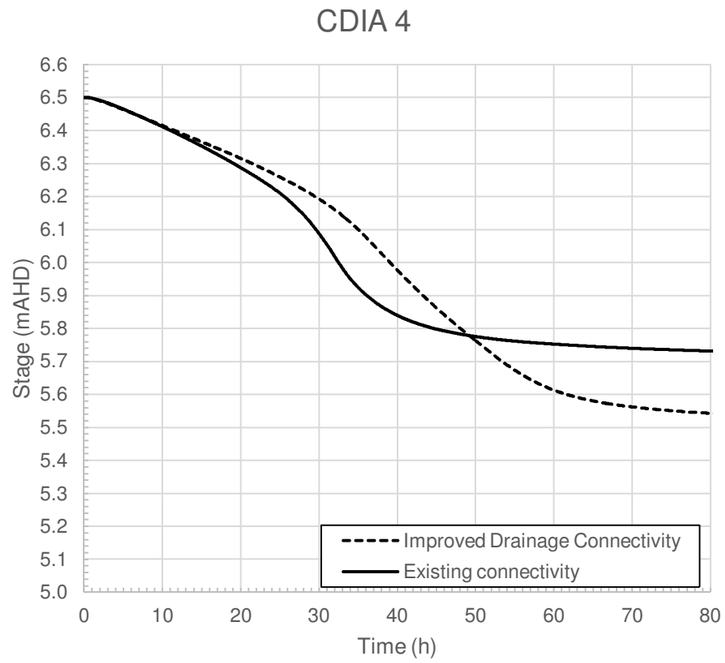
IMPROVED DRAIN CONNECTIVITY IN THE CDIA

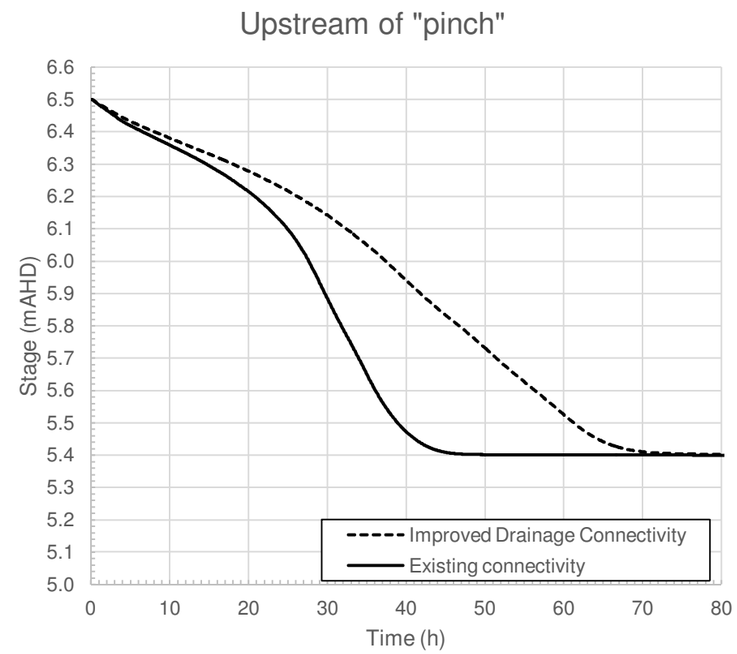










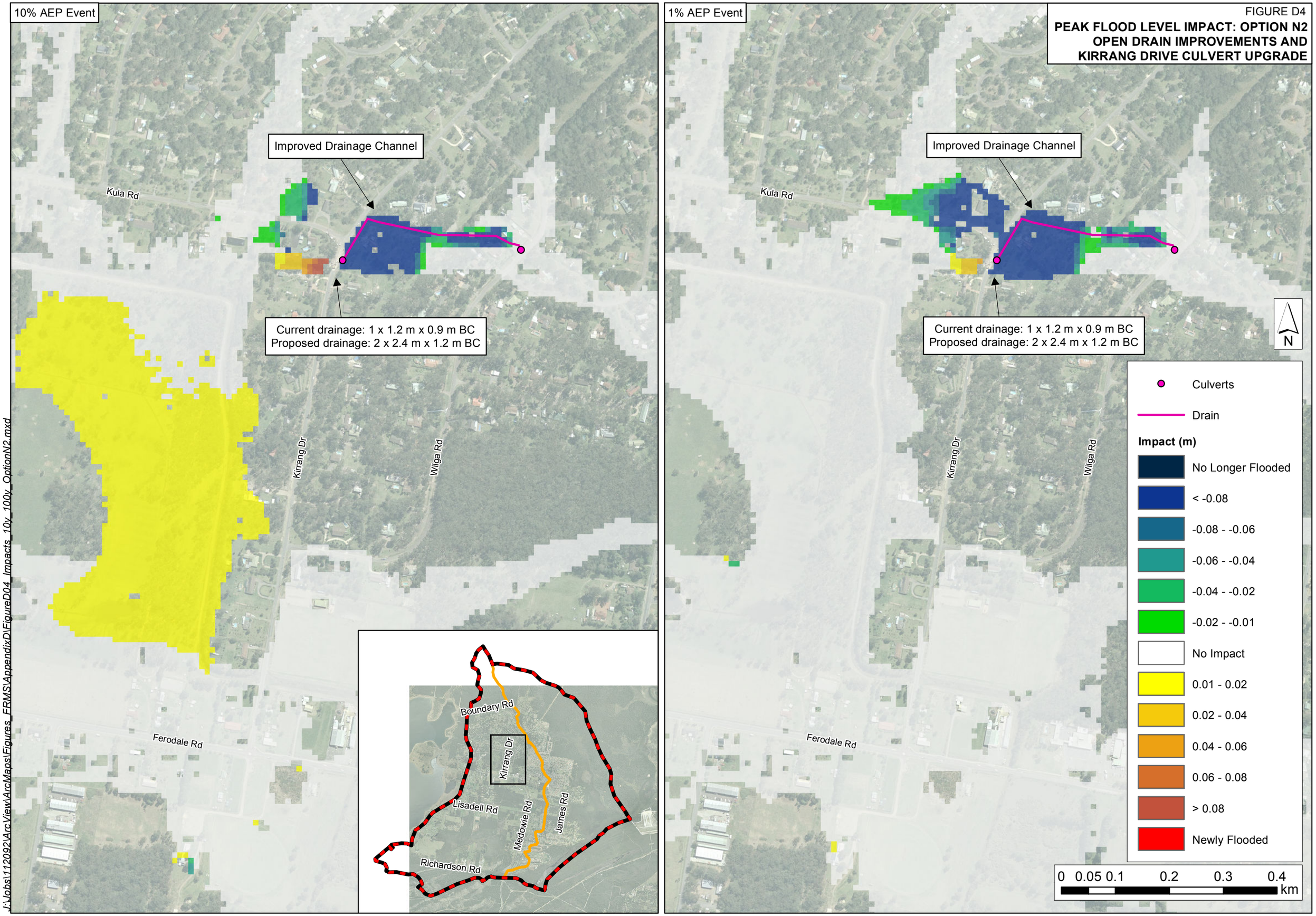


Note: for Chart locations, refer to FigureD2

J:\Jobs\112092\Excel\DurationOfPondingInCDIA_OpG.xlsx

FIGURE D4

PEAK FLOOD LEVEL IMPACT: OPTION N2 OPEN DRAIN IMPROVEMENTS AND KIRRANG DRIVE CULVERT UPGRADE



J:\Jobs\112092\ArcView\ArcMaps\Figures_FRMS\AppendixD\FigureD04_Impacts_10y_100y_OptionN2.mxd