APPENDIX





Hydrology and Flooding Technical Report

PART 2 OF 3

Appendix C

CALVERT TO KAGARU ENVIRONMENTAL IMPACT STATEMENT



APPENDIX

Hydrology and Flooding Technical Report

Appendix C Purga Creek Figures

CALVERT TO KAGARU ENVIRONMENTAL IMPACT STATEMENT



Appendix C Purga Creek Figures

Figure C1-A: Locality

Figure C1-B: Hydrology setup

Figure C1-C: TUFLOW model setup

Figure C1-D: Design structures

Figure C2-A: 1974 Calibration event

Figure C2-B: 2011 Calibration event

Figure C2-C: 2013 Calibration event

Figure C3-A-1: 20% AEP event Existing Case inundation extent

Figure C3-A-2: 20% AEP event Existing Case inundation extent

Figure C3-B-1: 20% AEP event Developed Case afflux

Figure C3-B-2: 20% AEP event Developed Case afflux

Figure C4-A-1: 10% AEP event Existing Case inundation extent

Figure C4-A-2: 10% AEP event Existing Case inundation extent

Figure C4-B-1: 10% AEP event Developed Case afflux

Figure C4-B-2: 10% AEP event Developed Case afflux

Figure C5-A-1: 5% AEP event Existing Case inundation extent

Figure C5-A-2: 5% AEP event Existing Case inundation extent

Figure C5-B-1: 5% AEP event Developed Case afflux

Figure C5-B-2: 5% AEP event Developed Case afflux

Figure C6-A-1: 2% AEP event Existing Case inundation extent

Figure C6-A-2: 2% AEP event Existing Case inundation extent

Figure C6-B-1: 2% AEP event Developed Case afflux

Figure C6-B-2: 2% AEP event Developed Case afflux

Figure C7-A-1: 1% AEP event Existing Case inundation extent

Figure C7-A-2: 1% AEP event Existing Case inundation extent

Figure C7-B-1: 1% AEP event Developed Case afflux

Figure C7-B-2: 1% AEP event Developed Case afflux

Figure C7-C-1: 1% AEP event Developed Case afflux with flood sensitive receptors

Figure C7-C-2: 1% AEP event Developed Case afflux with flood sensitive receptors

Figure C7-D-1: 1% AEP event with climate change afflux and flood sensitive receptors

Figure C7-D-2: 1% AEP event with climate change afflux and flood sensitive receptors

Figure C7-E-1: 1% AEP event with 0% blockage afflux and flood sensitive receptors

Figure C7-E-2: 1% AEP event with 0% blockage afflux and flood sensitive receptors

Figure C7-F-1: 1% AEP event with 50% blockage afflux and flood sensitive receptors

Figure C7-F-2: 1% AEP event with 50% blockage afflux and flood sensitive receptors

Figure C7-G-1: 1% AEP event Developed Case velocity

Figure C7-G-2: 1% AEP event Developed Case velocity

Figure C7-H-1: 1% AEP event Developed Case difference in velocity

Figure C7-H-2: 1% AEP event Developed Case difference in velocity

Figure C7-I-1: 1% AEP event Developed Case difference in time of submergence

Figure C7-I-2: 1% AEP event Developed Case difference in time of submergence

Figure C8-A-1: 1 in 2,000 AEP event Existing Case inundation extent

Figure C8-A-2: 1 in 2,000 AEP event Existing Case inundation extent

Figure C8-B-1: 1 in 2,000 AEP event Developed Case afflux

Figure C8-B-2: 1 in 2,000 AEP event Developed Case afflux

Figure C8-C-1: 1 in 2,000 AEP event Developed Case velocity

Figure C8-C-2: 1 in 2,000 AEP event Developed Case velocity

Figure C9-A-1: 1 in 10,000 AEP event Existing Case inundation extent

Figure C9-A-2: 1 in 10,000 AEP event Existing Case inundation extent

Figure C9-B-1: 1 in 10,000 AEP event Developed Case afflux

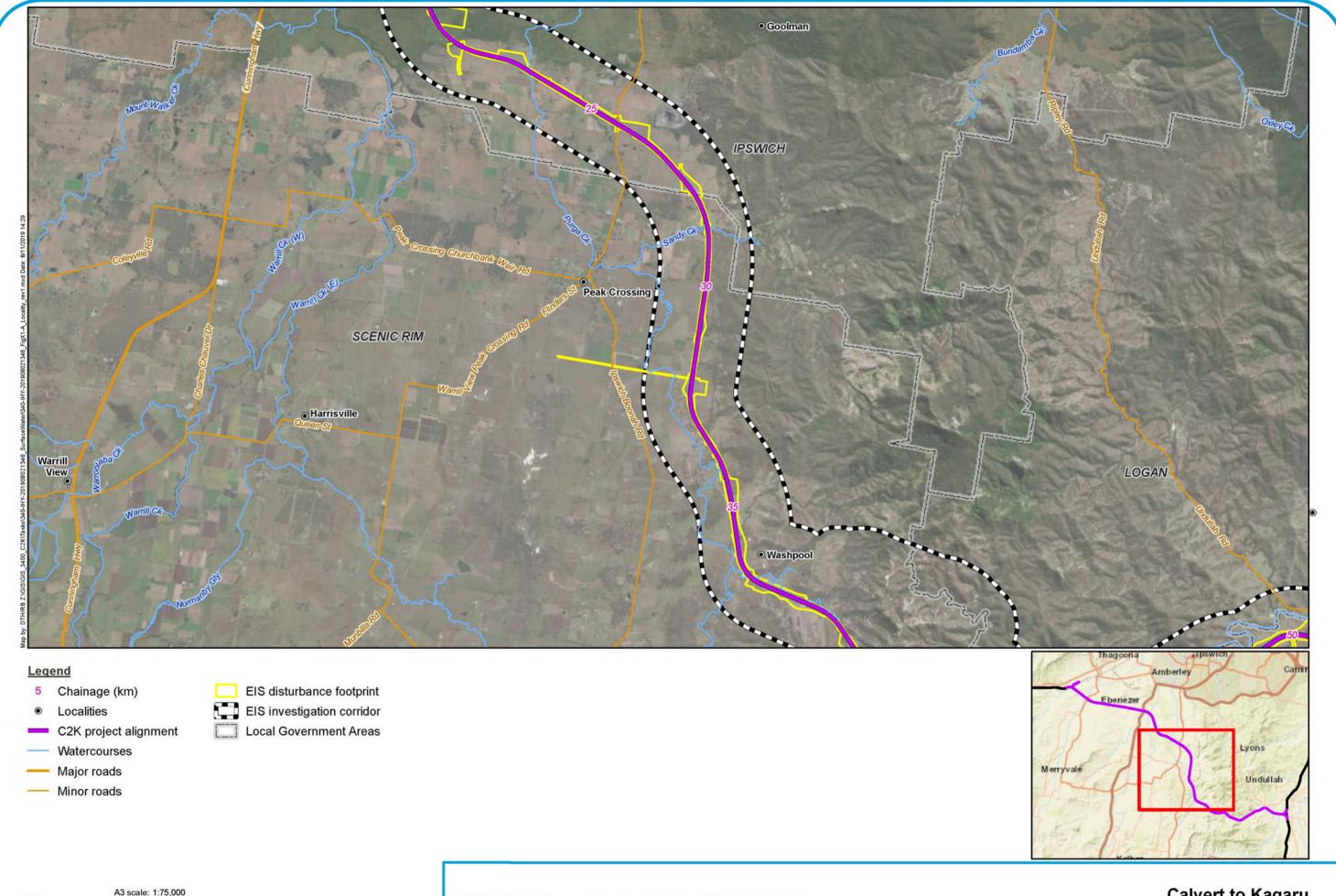
Figure C9-B-2: 1 in 10,000 AEP event Developed Case afflux

Figure C10-A-1: PMF event Existing Case inundation extent

Figure C10-A-2: PMF event Existing Case inundation extent

Figure C10-B-1: PMF event Developed Case afflux

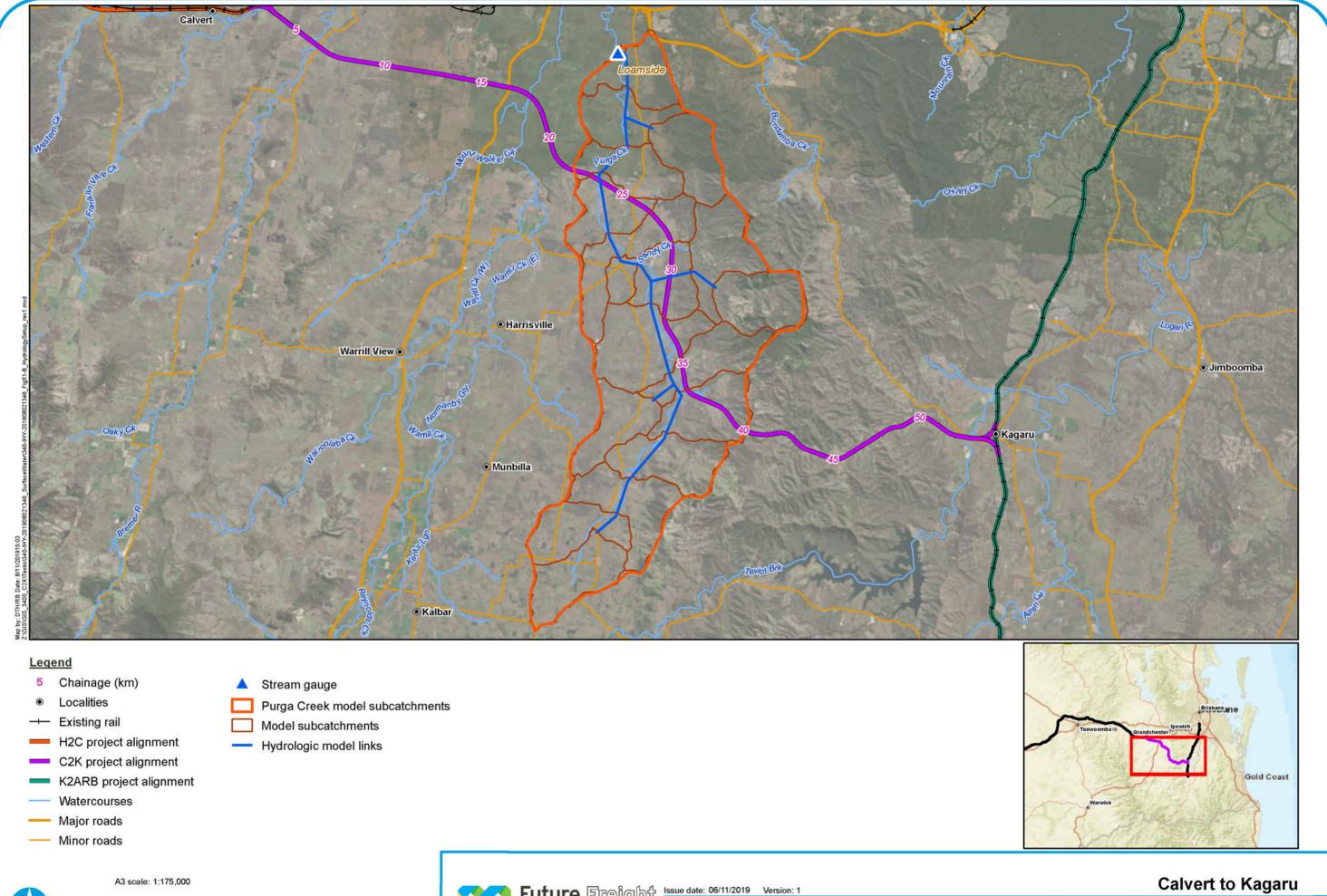
Figure C10-B-2: PMF event Developed Case afflux





0 0.55 1.1 1.65 2.2 2.75 km





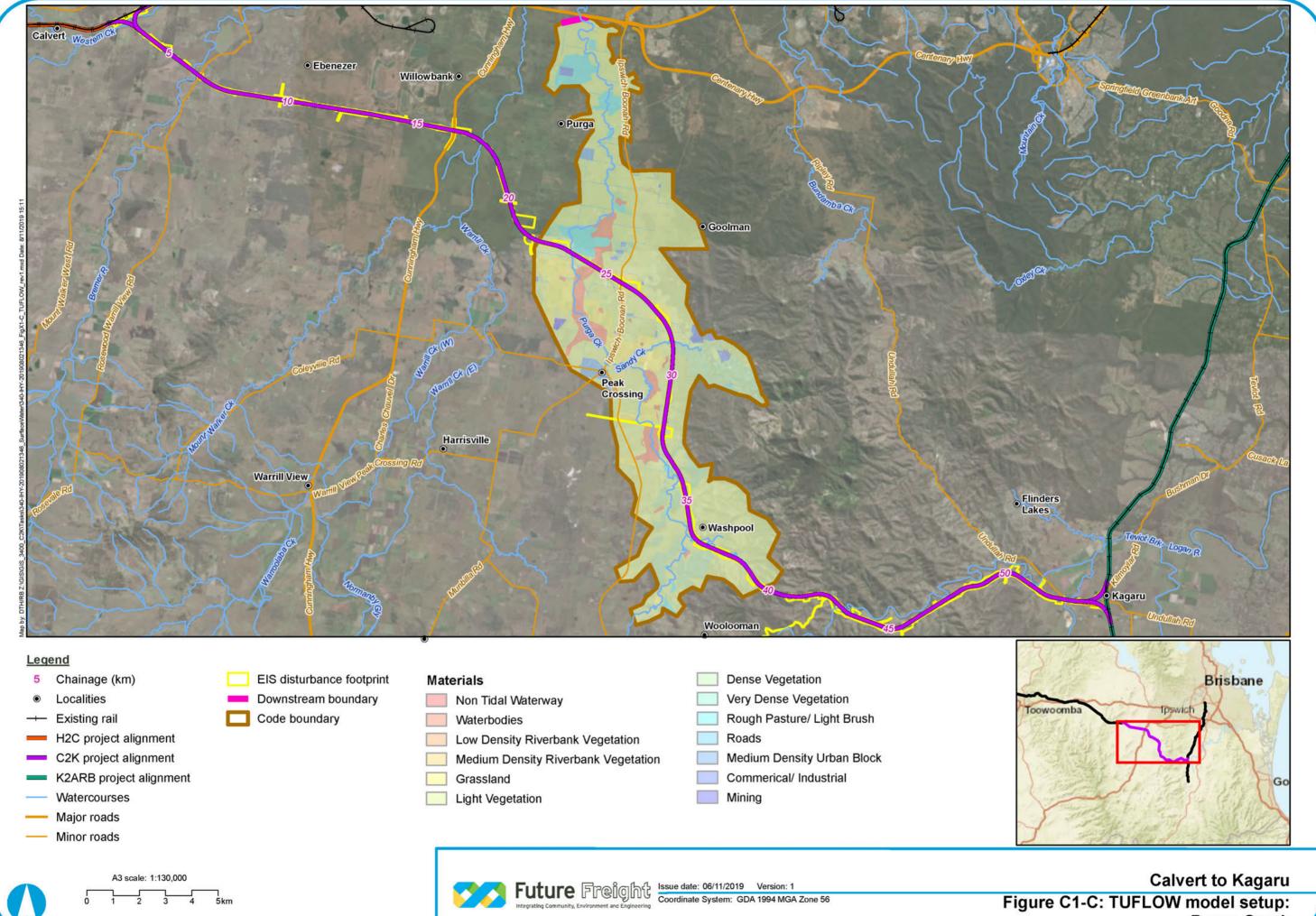


) 1 2 3 4 5km



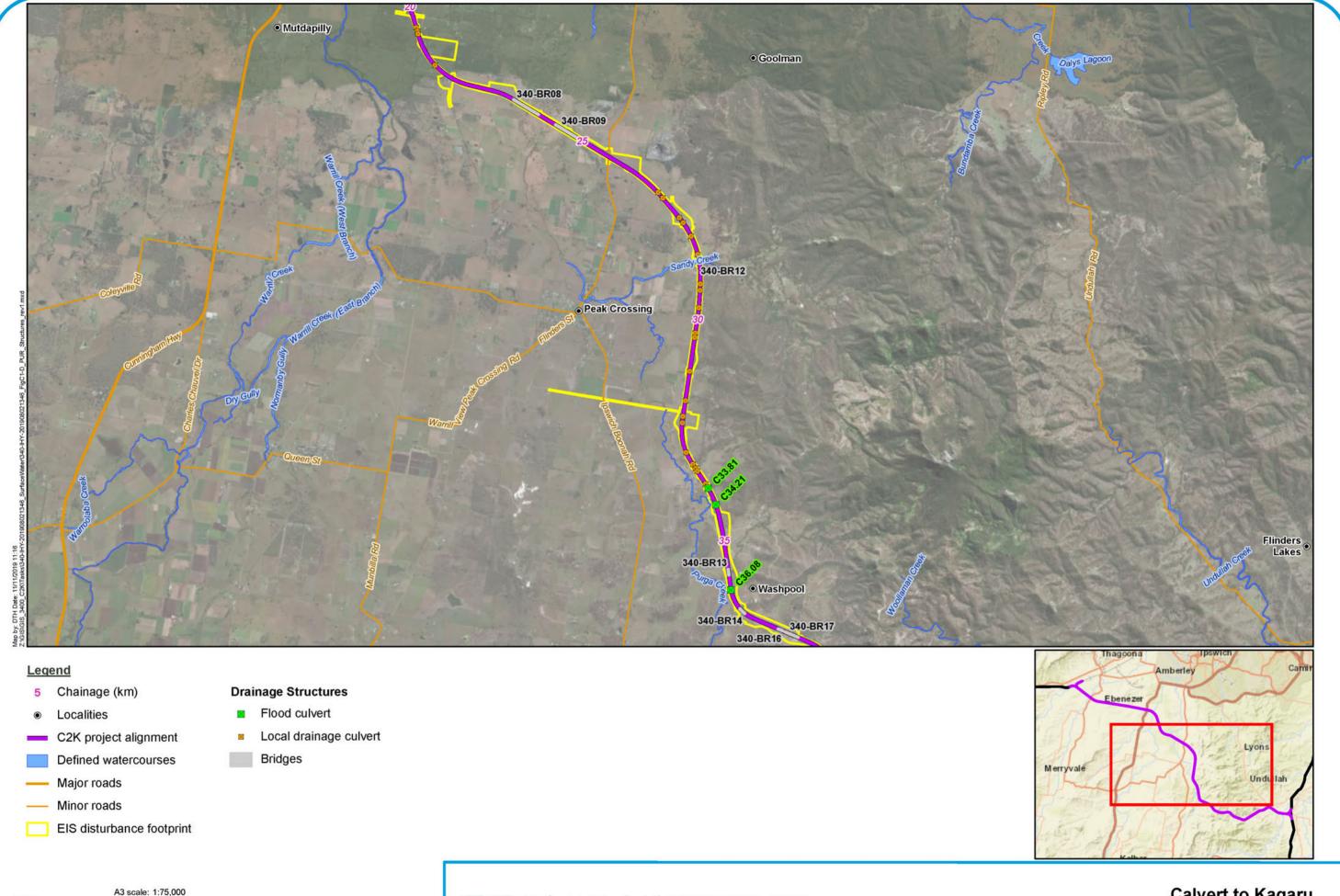
sue date: 06/11/2019 Version: 1 coordinate System: GDA 1994 MGA Zone

Figure C1-B: Hydrology setup: Purga Creek





Purga Creek



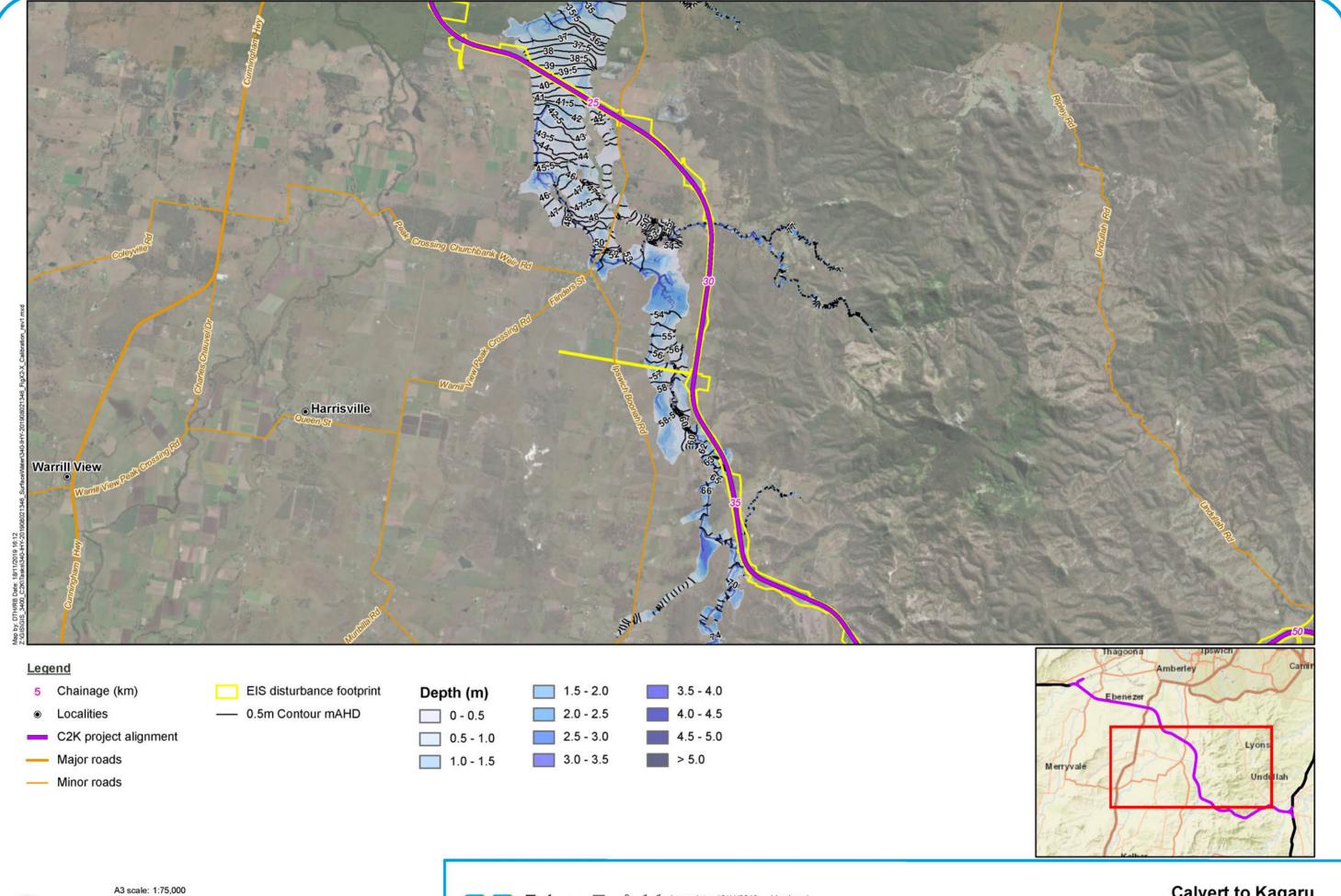






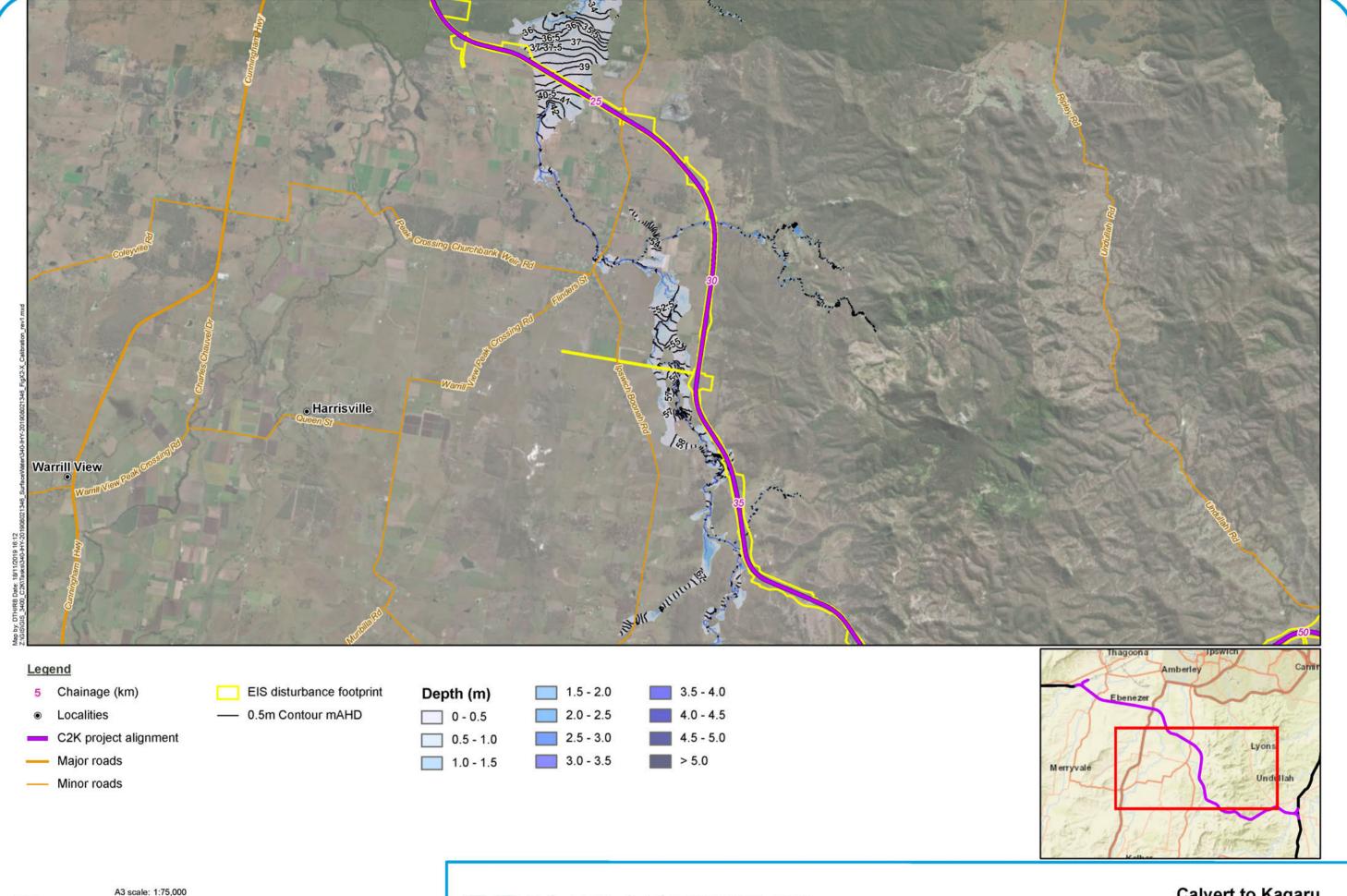
Calvert to Kagaru Coordinate System: GDA 1994 MGA Zone 56

Figure C1-D: Design structures: Purga Creek



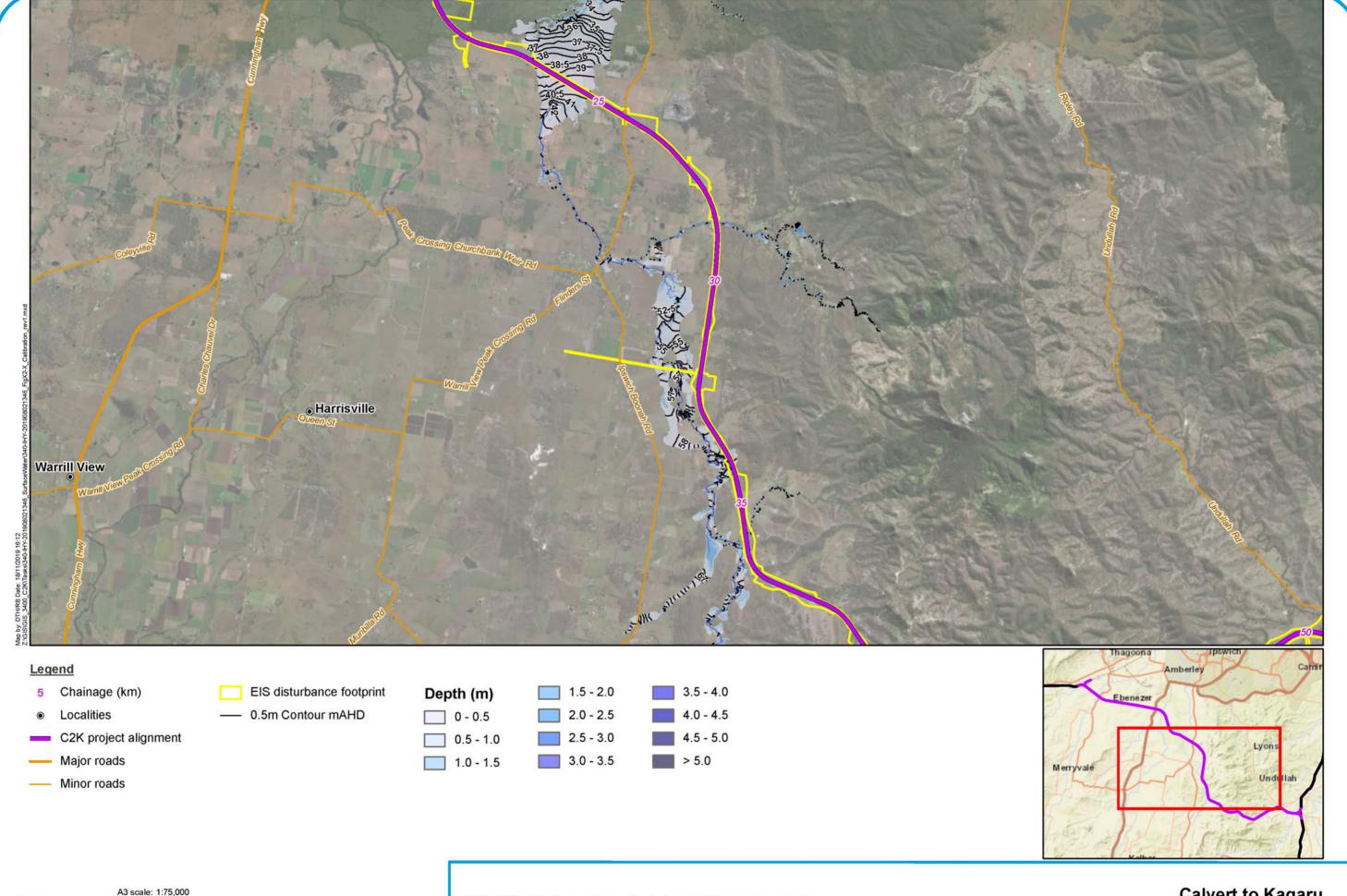






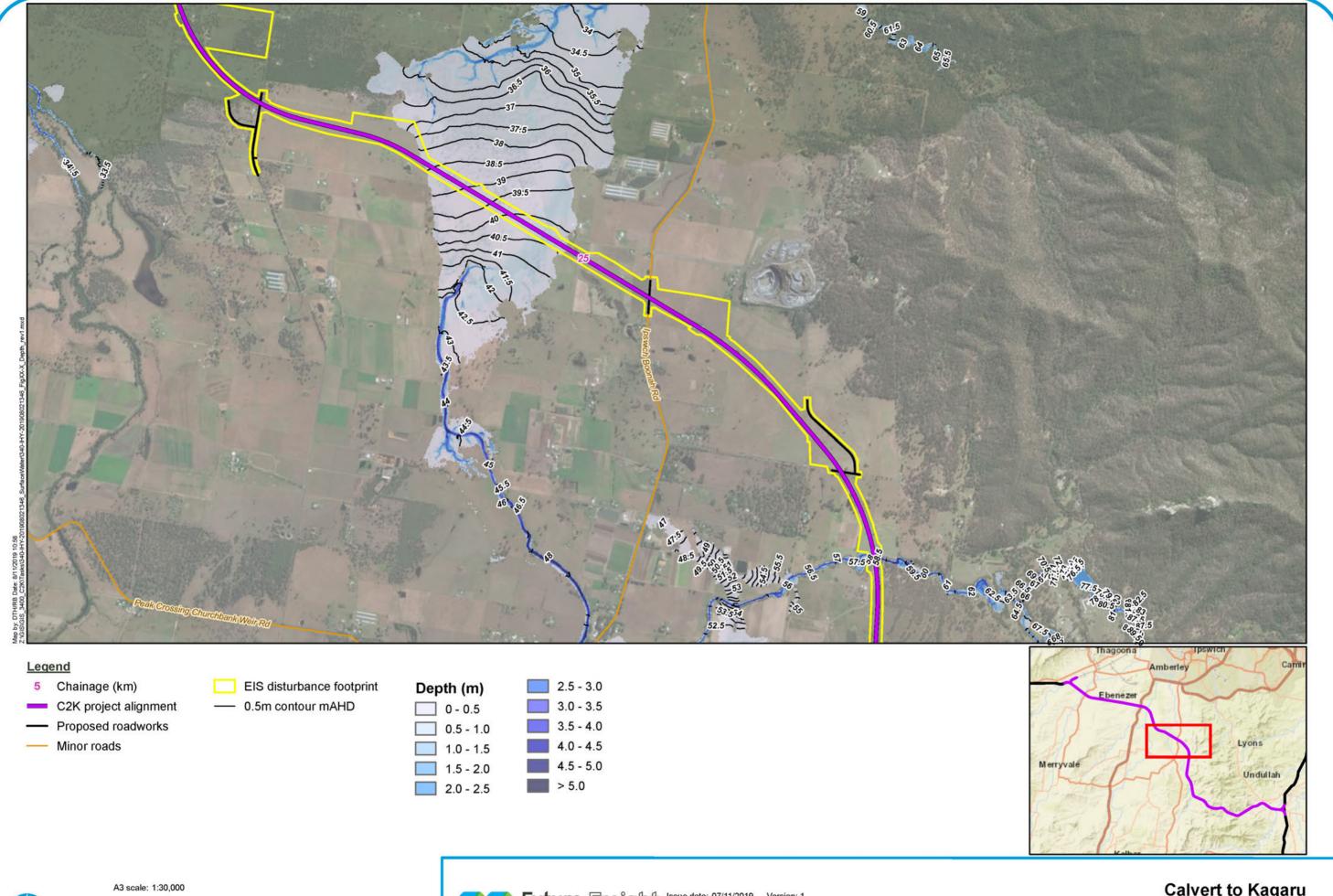








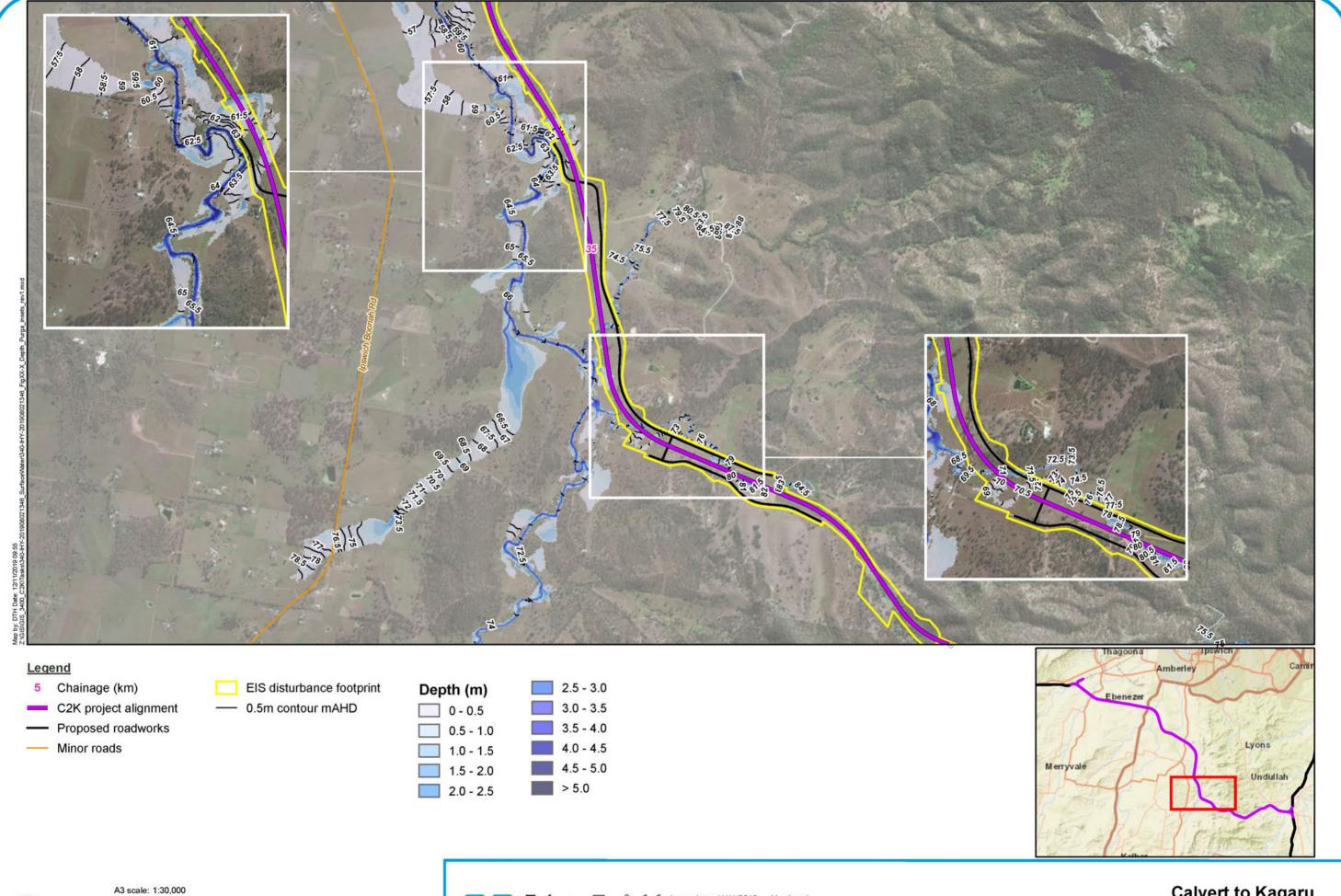








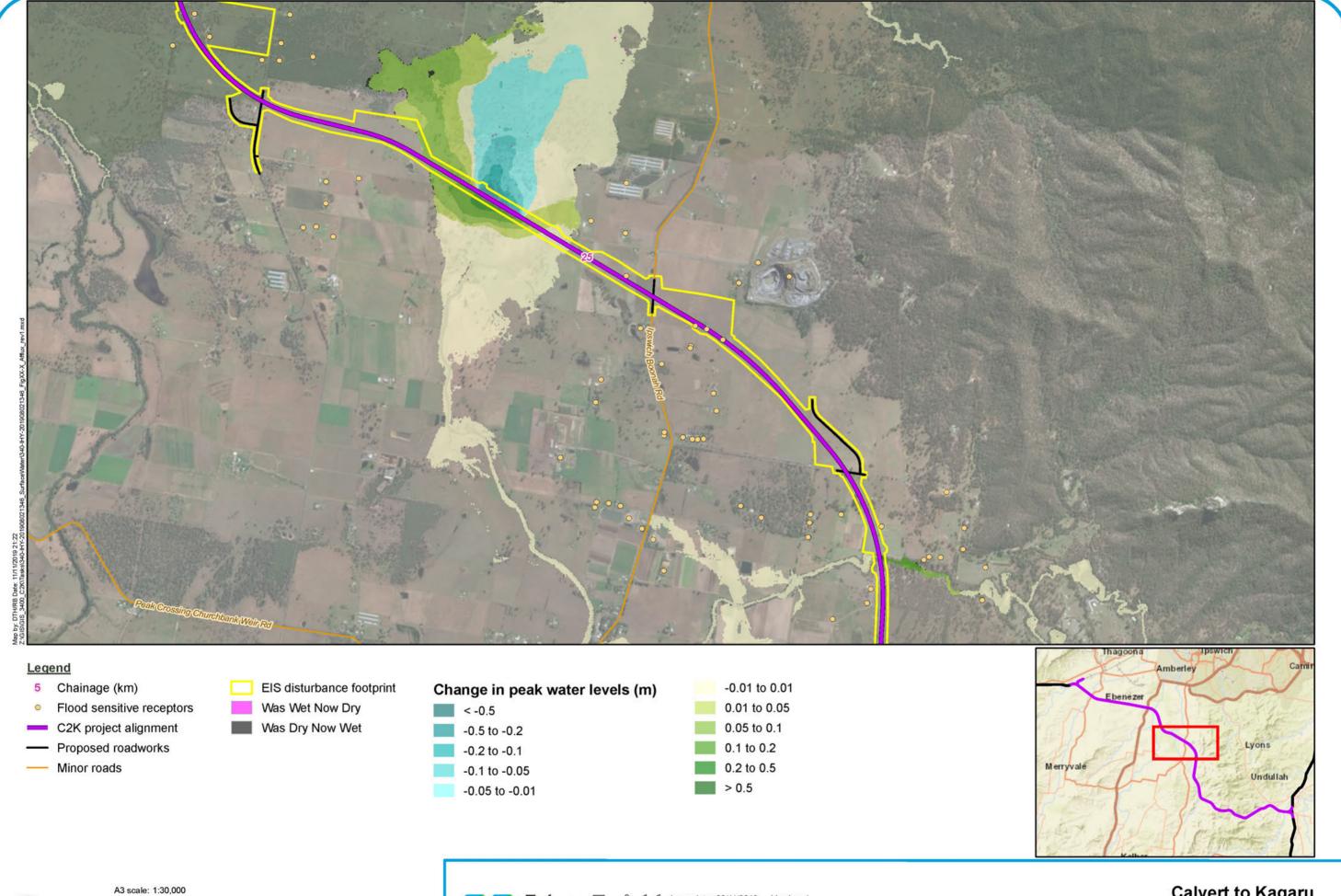








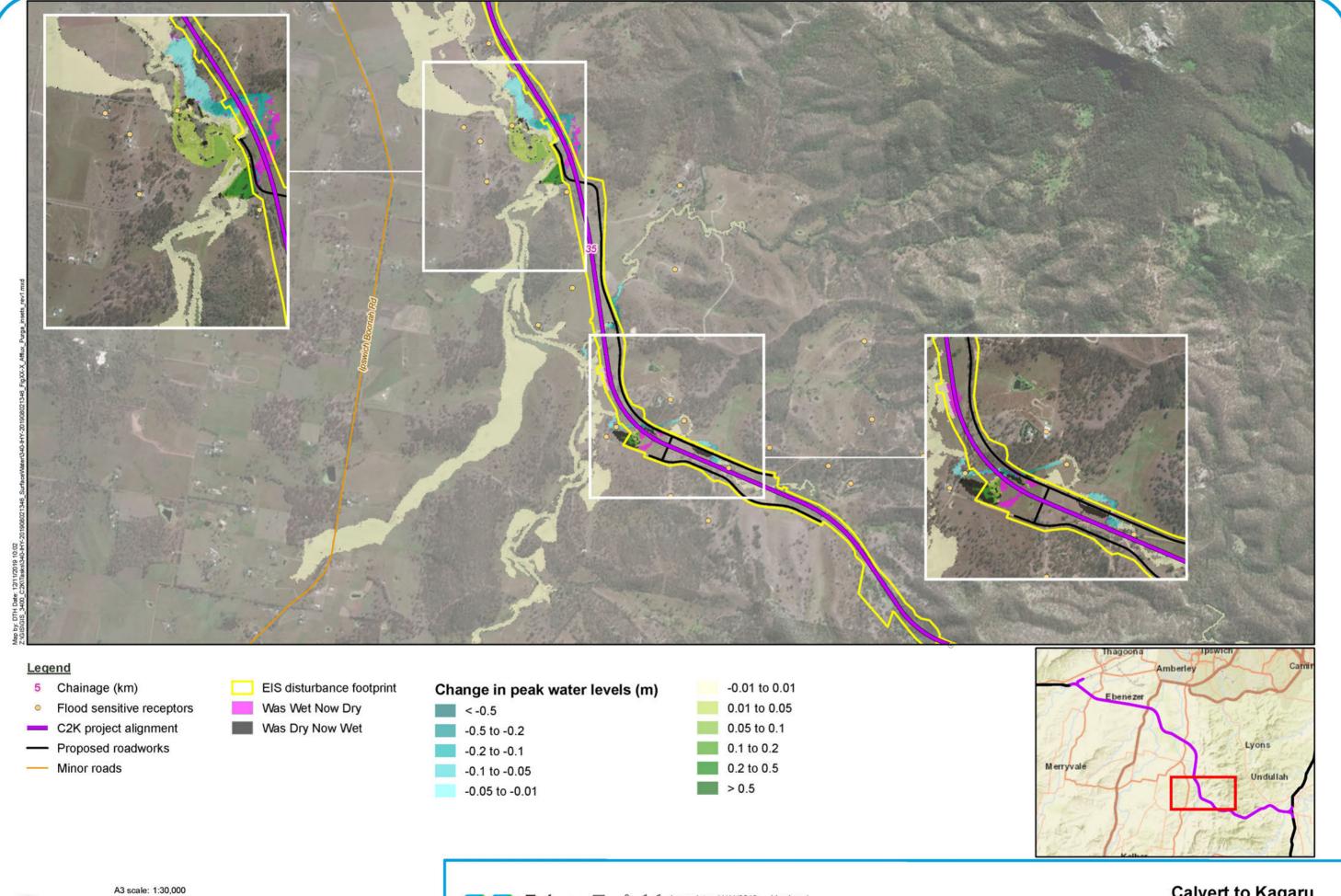








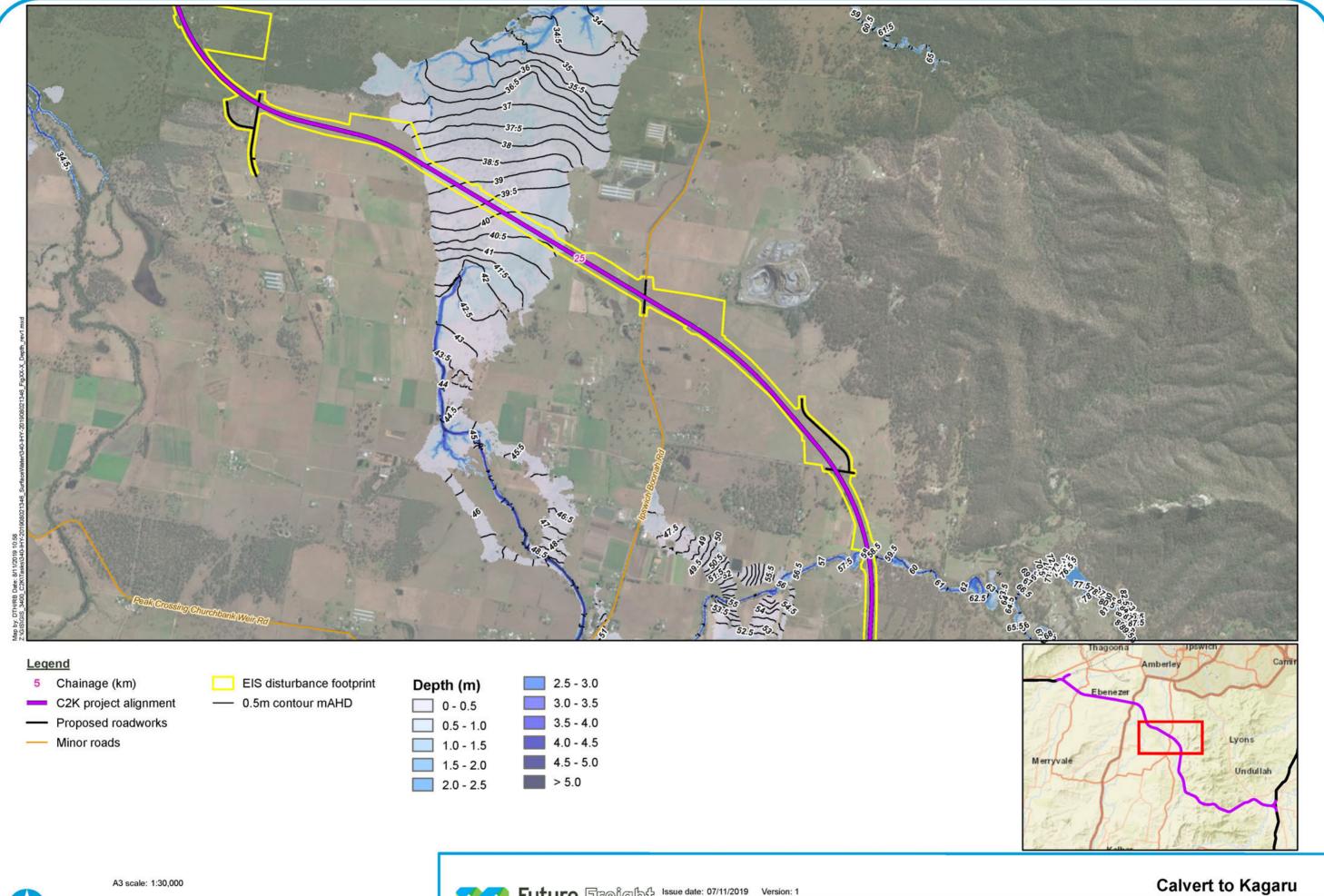






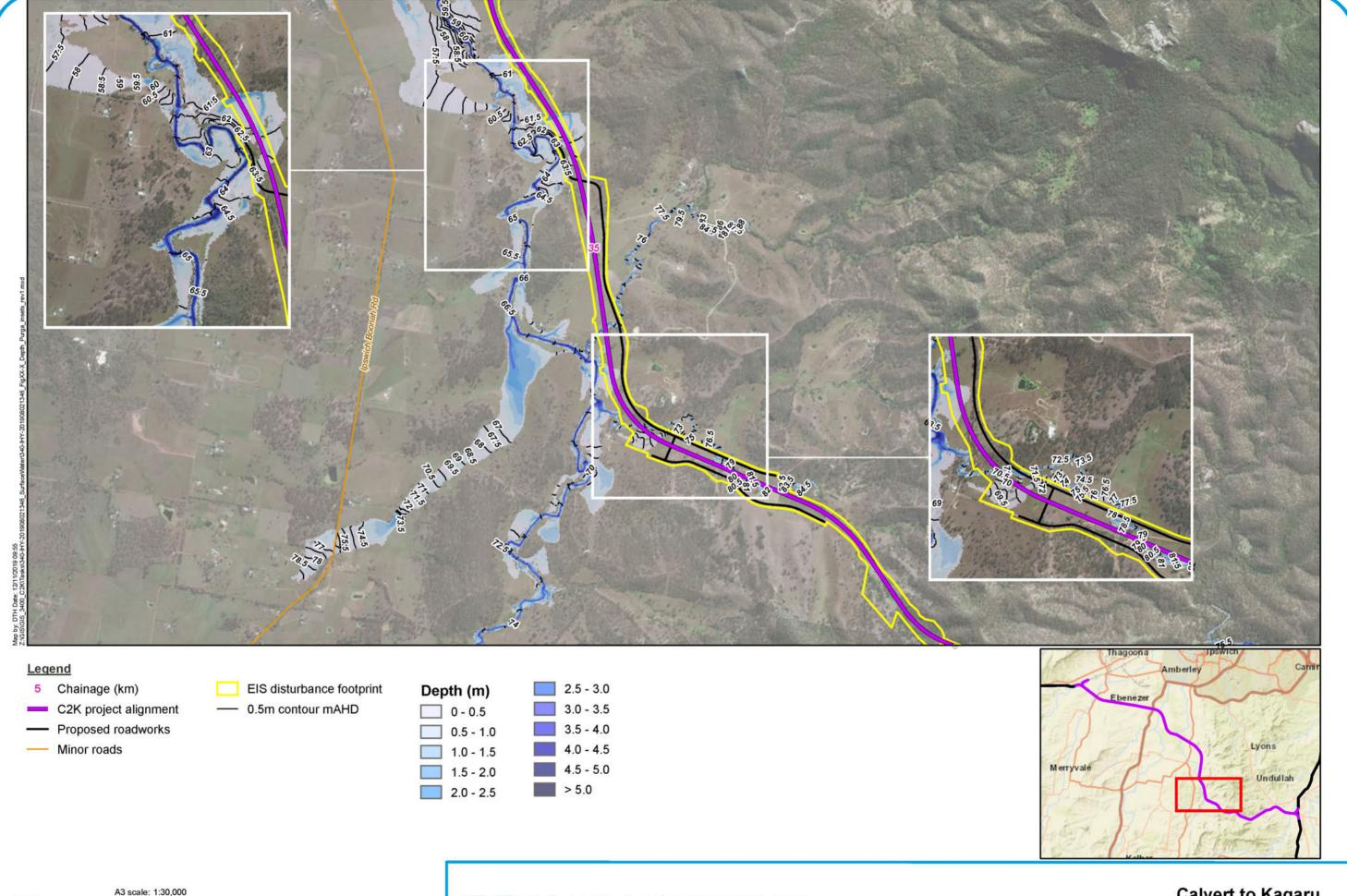




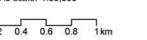




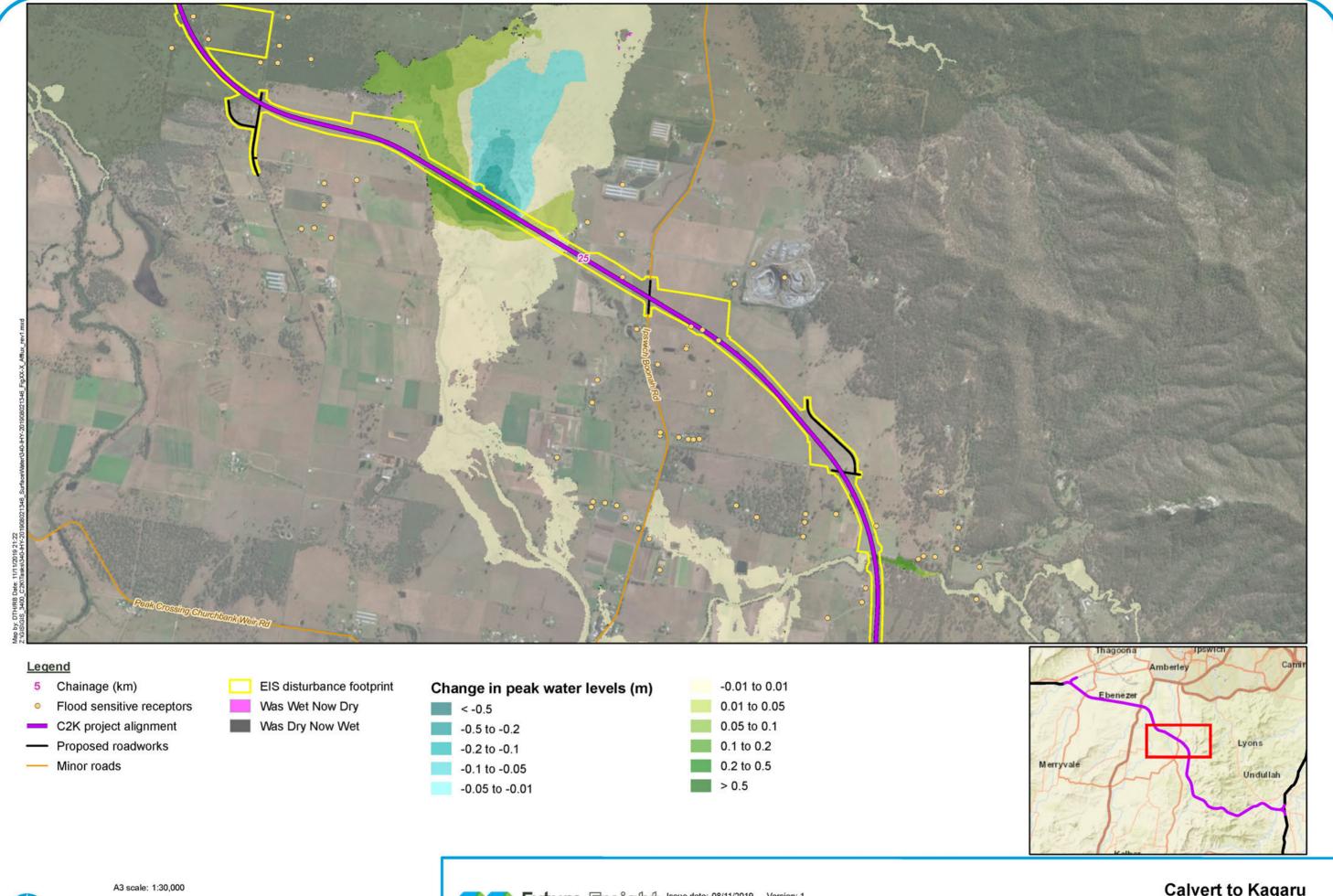






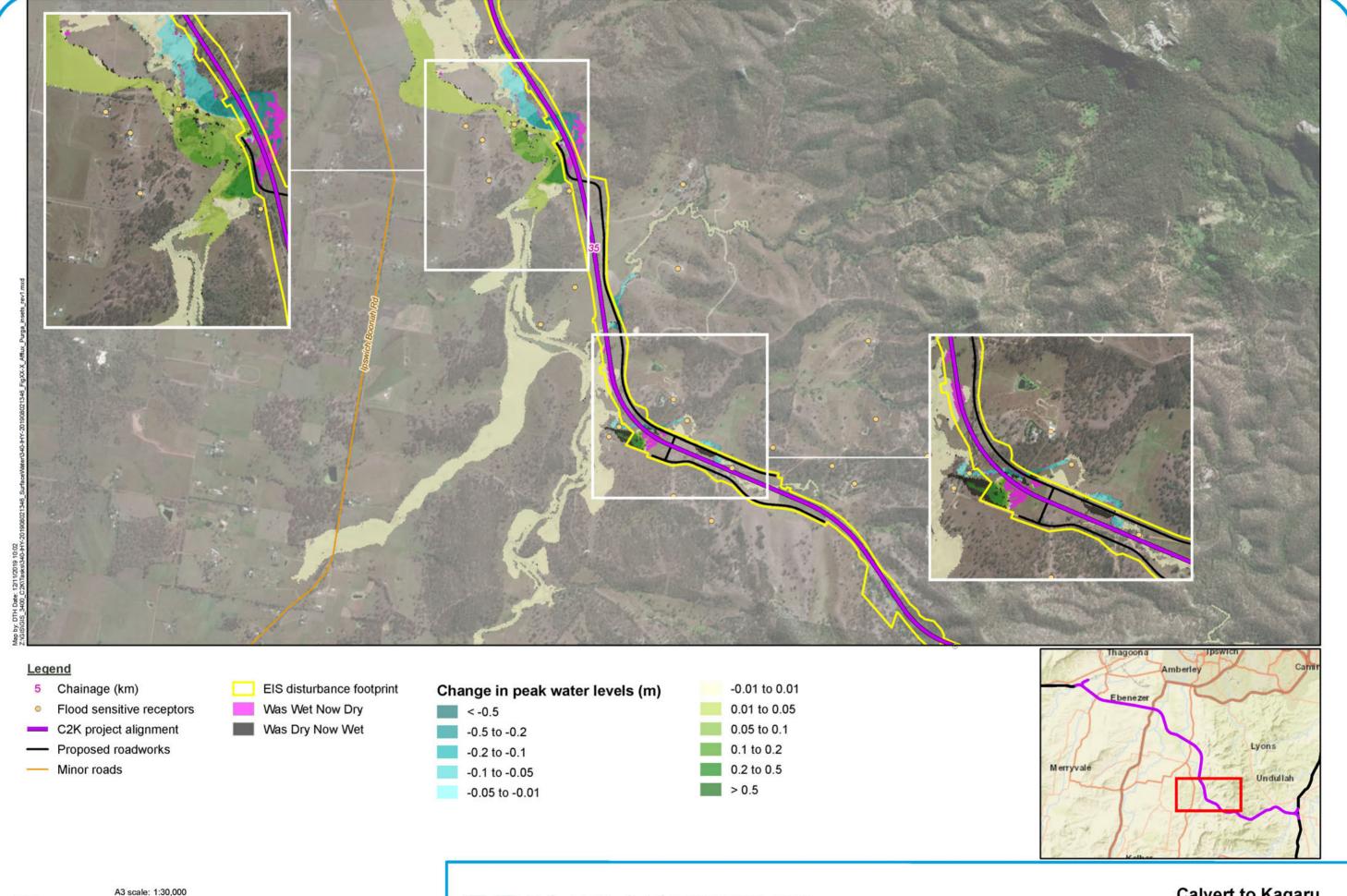






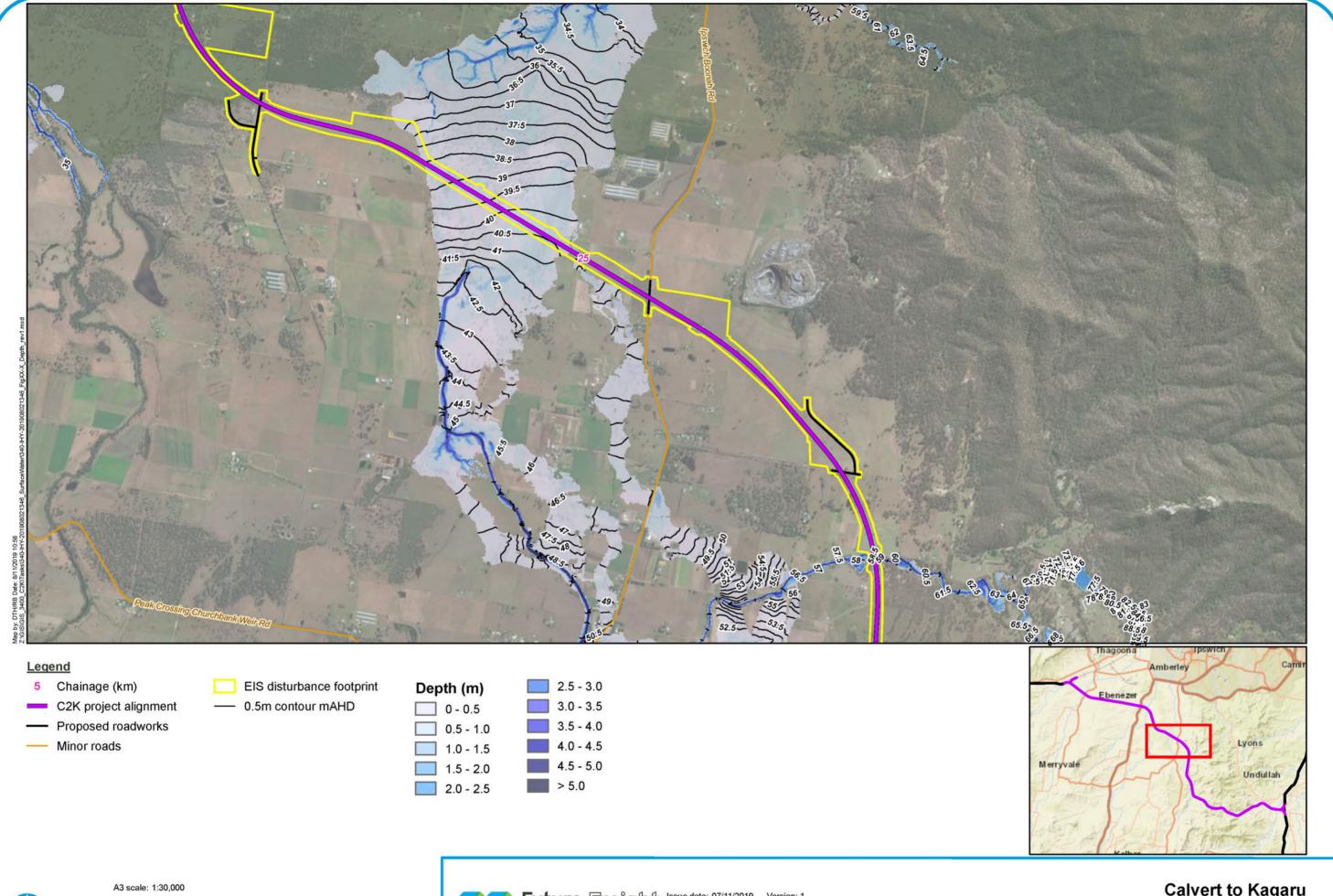








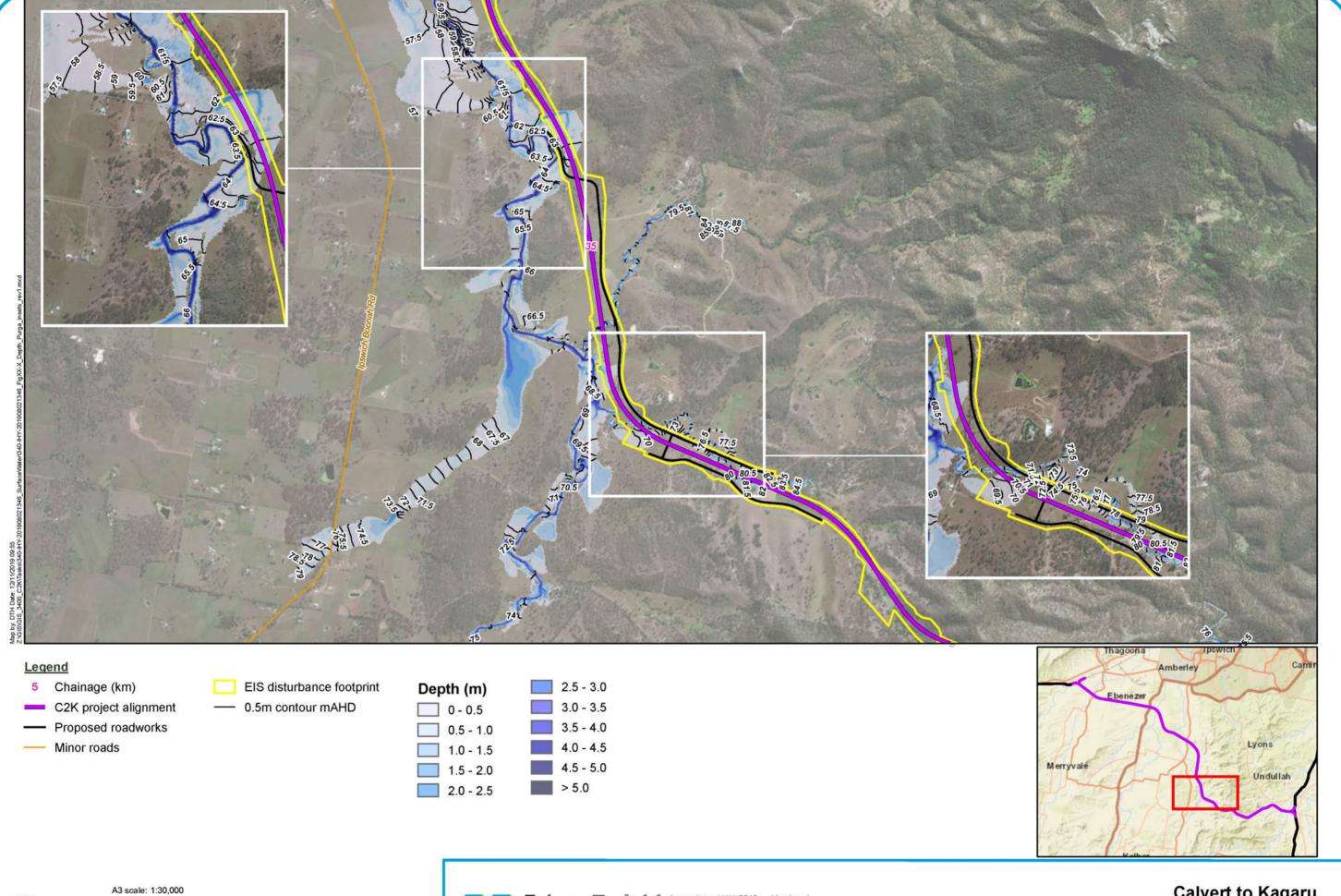








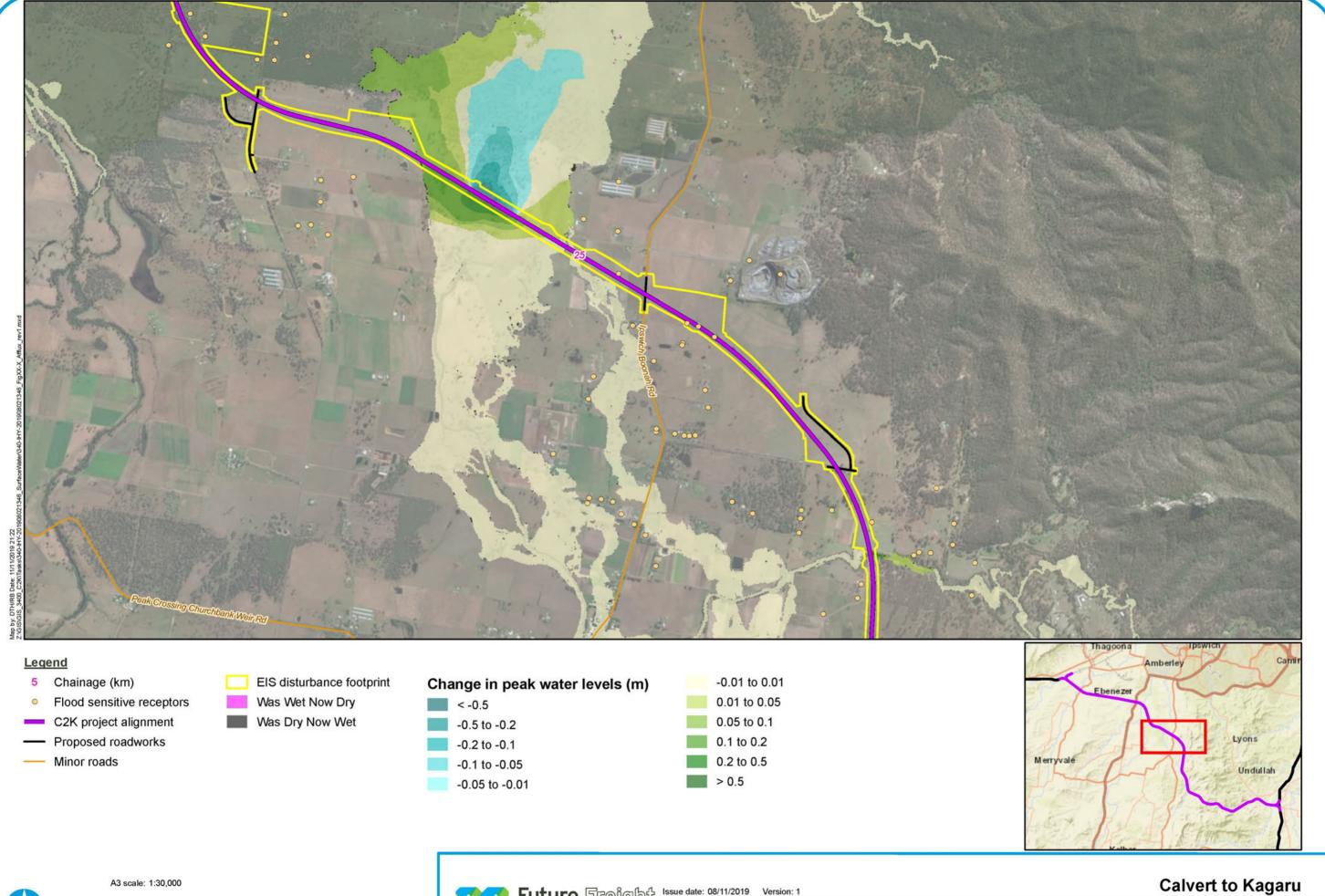






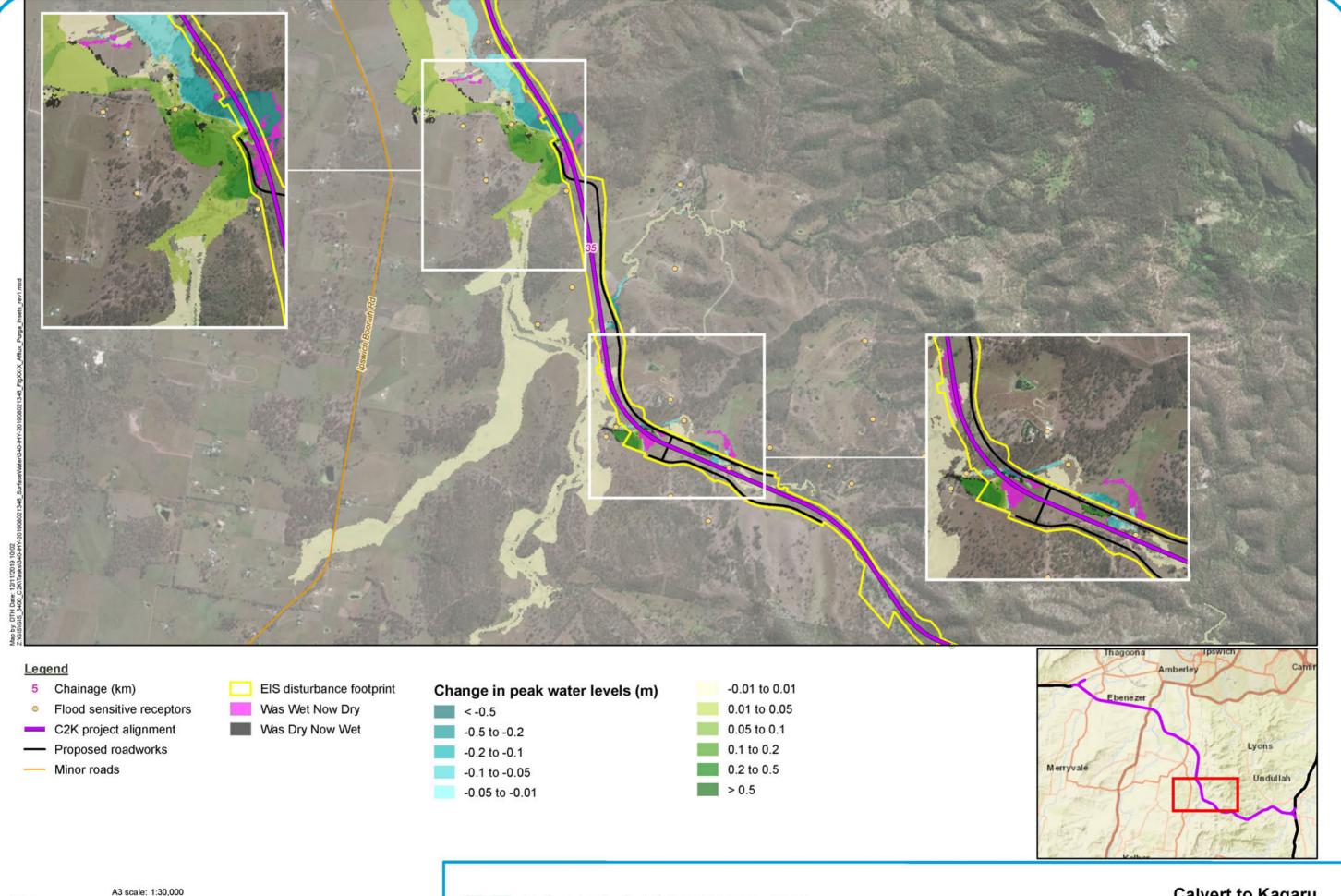








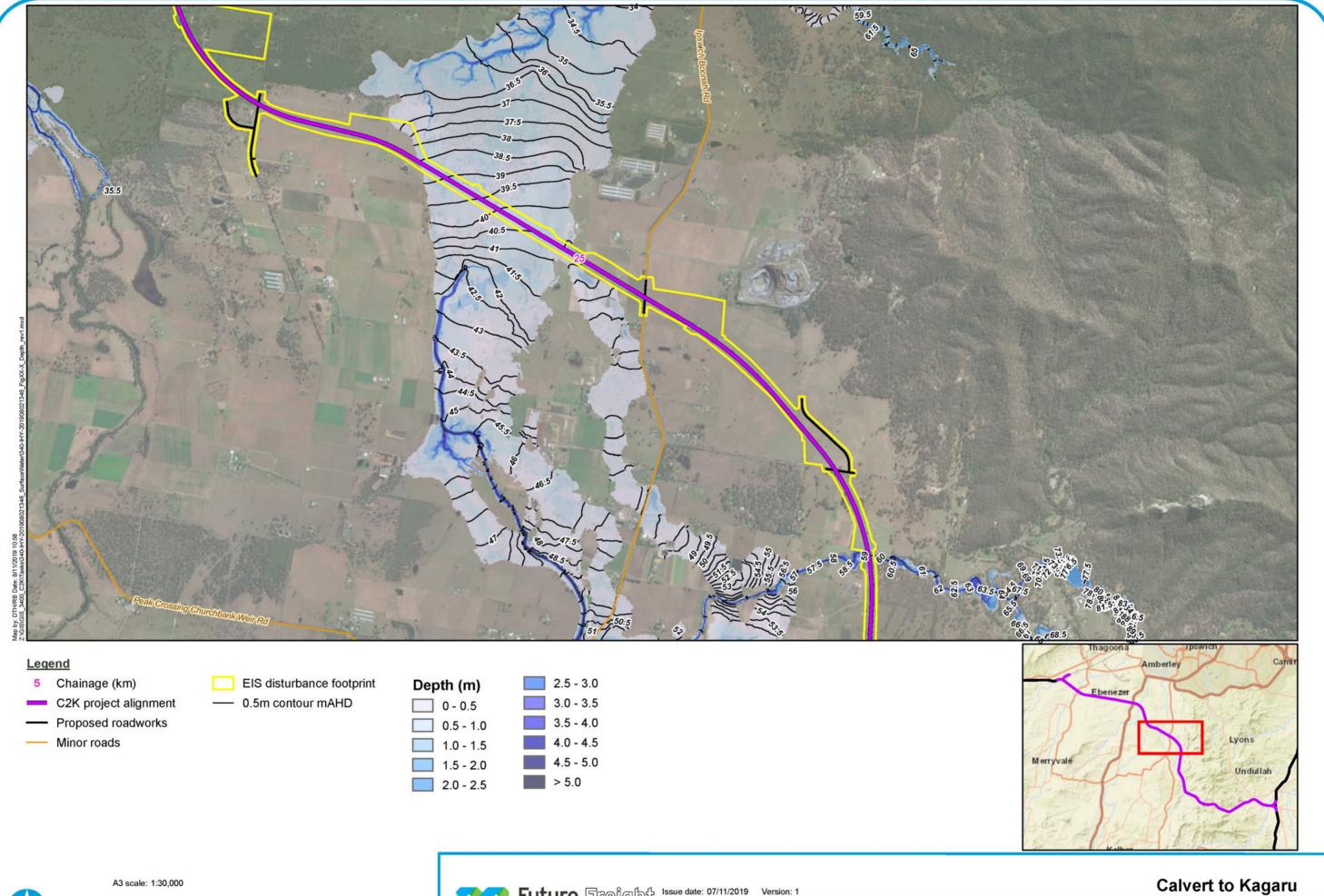








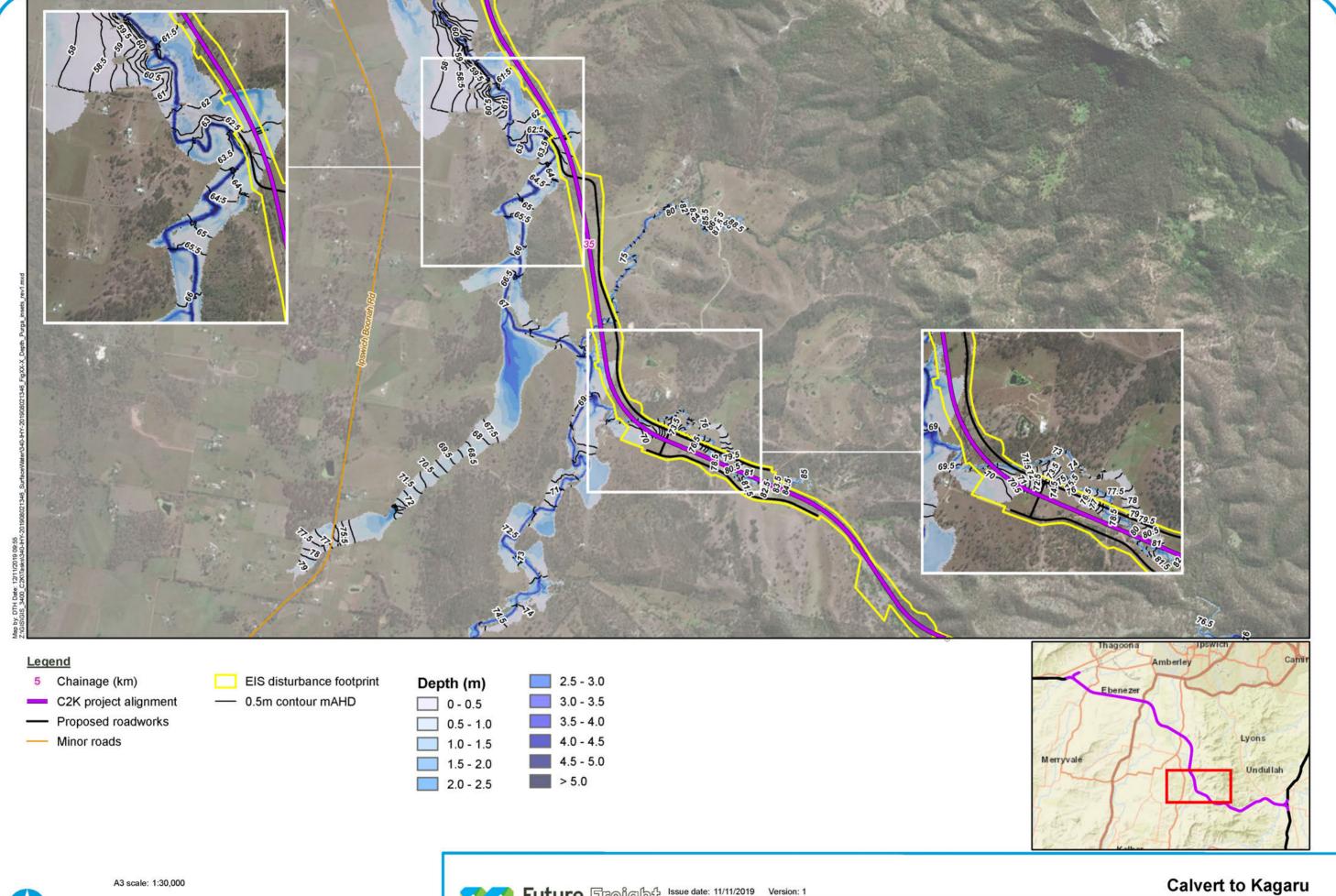
Calvert to Kagaru







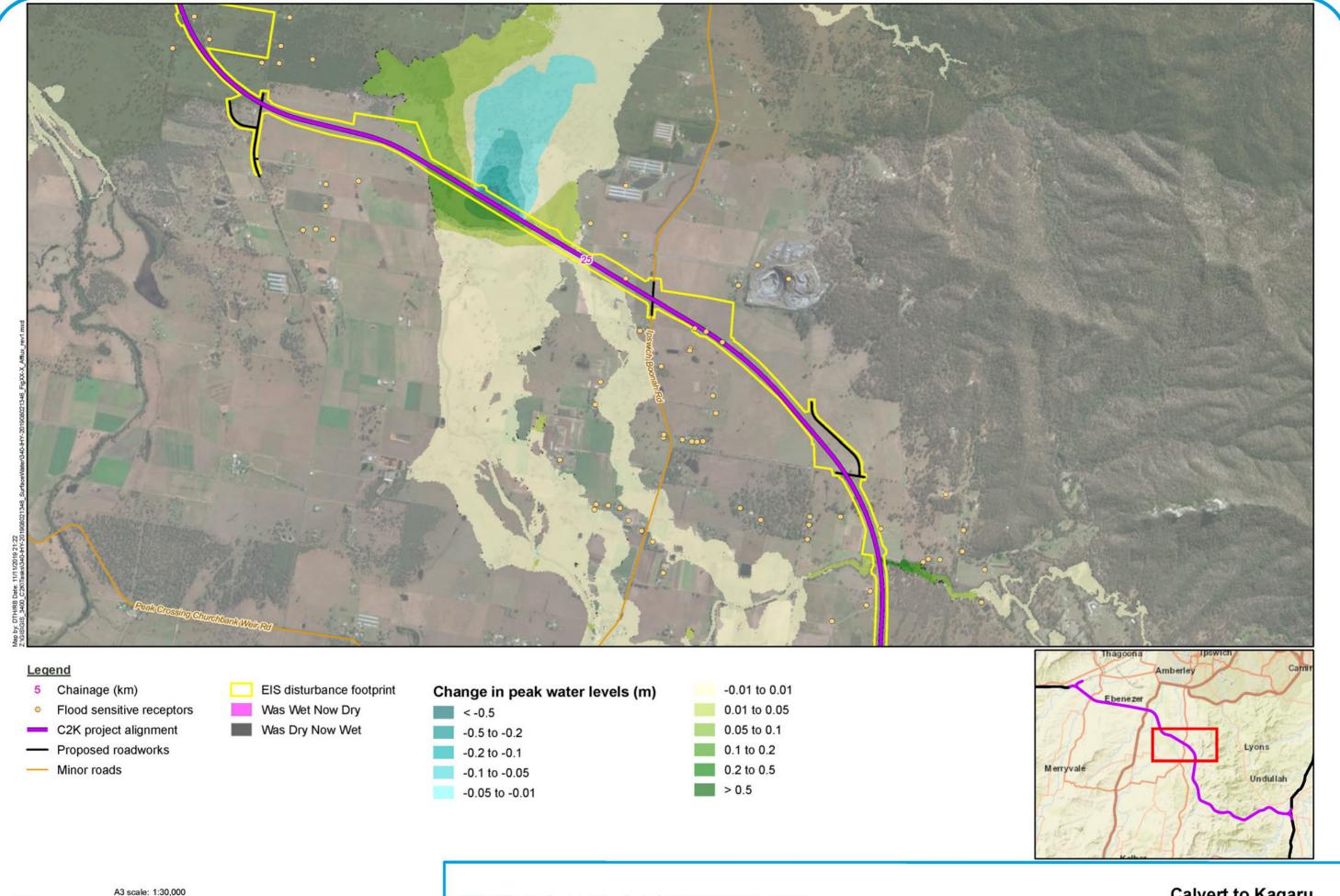








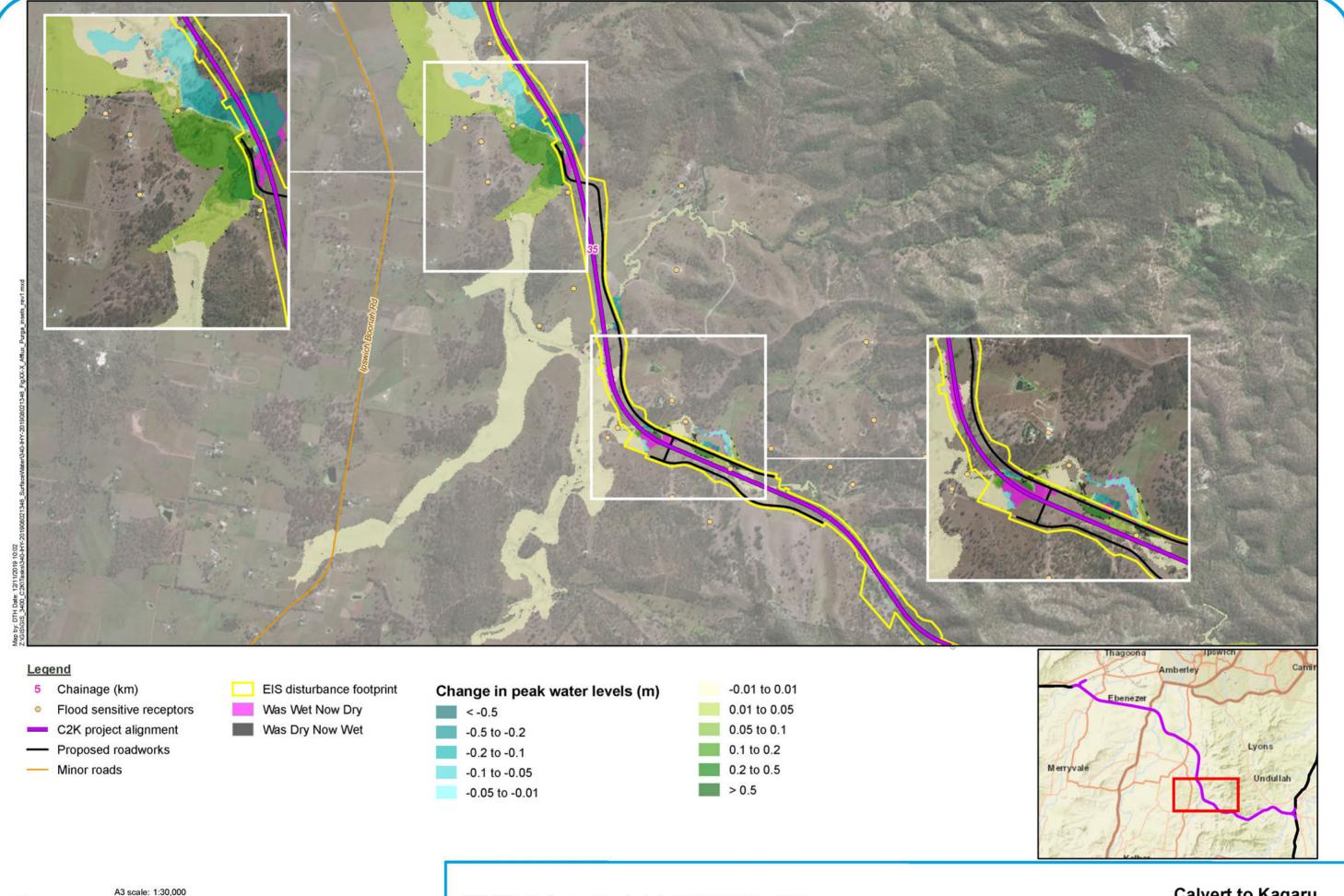






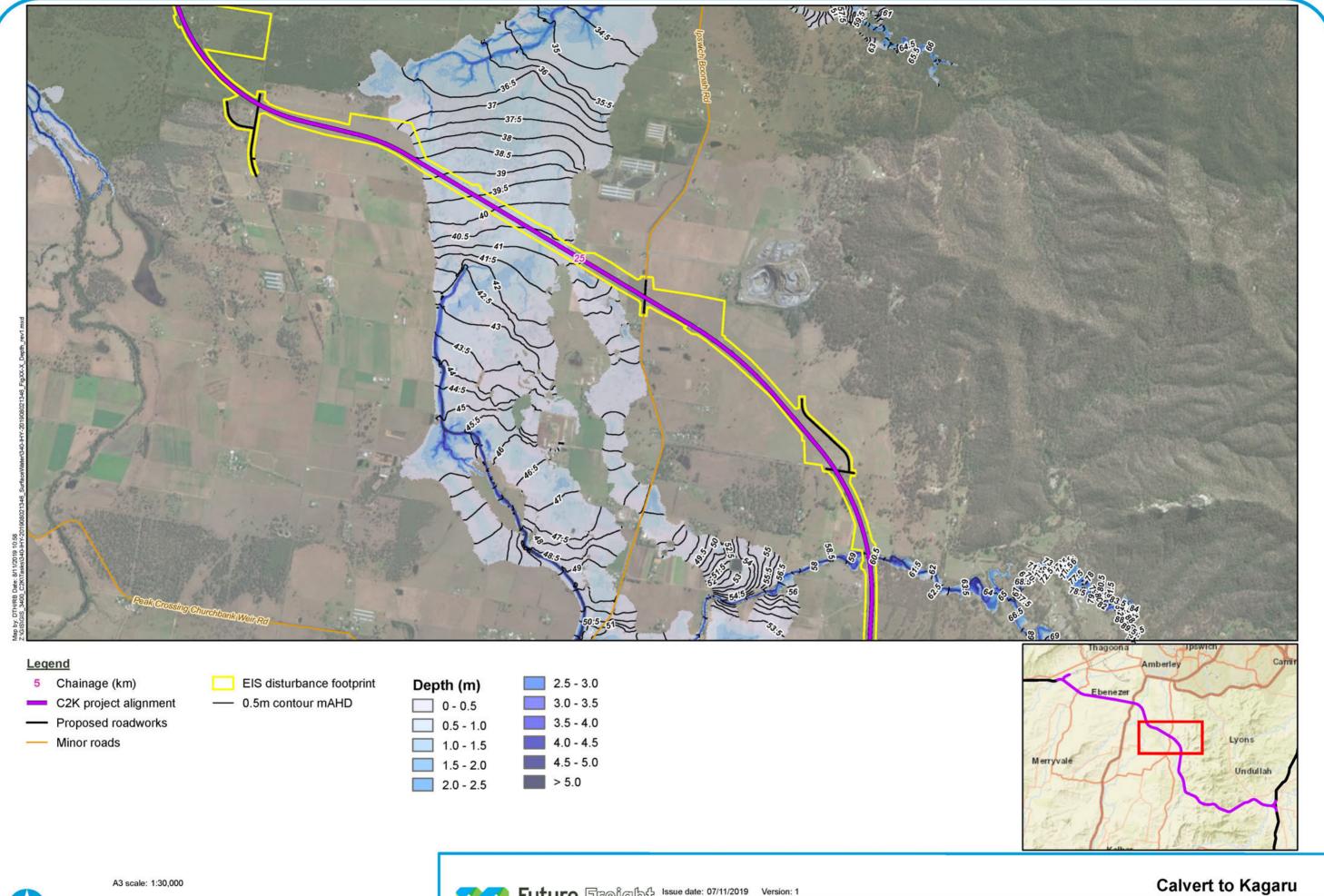


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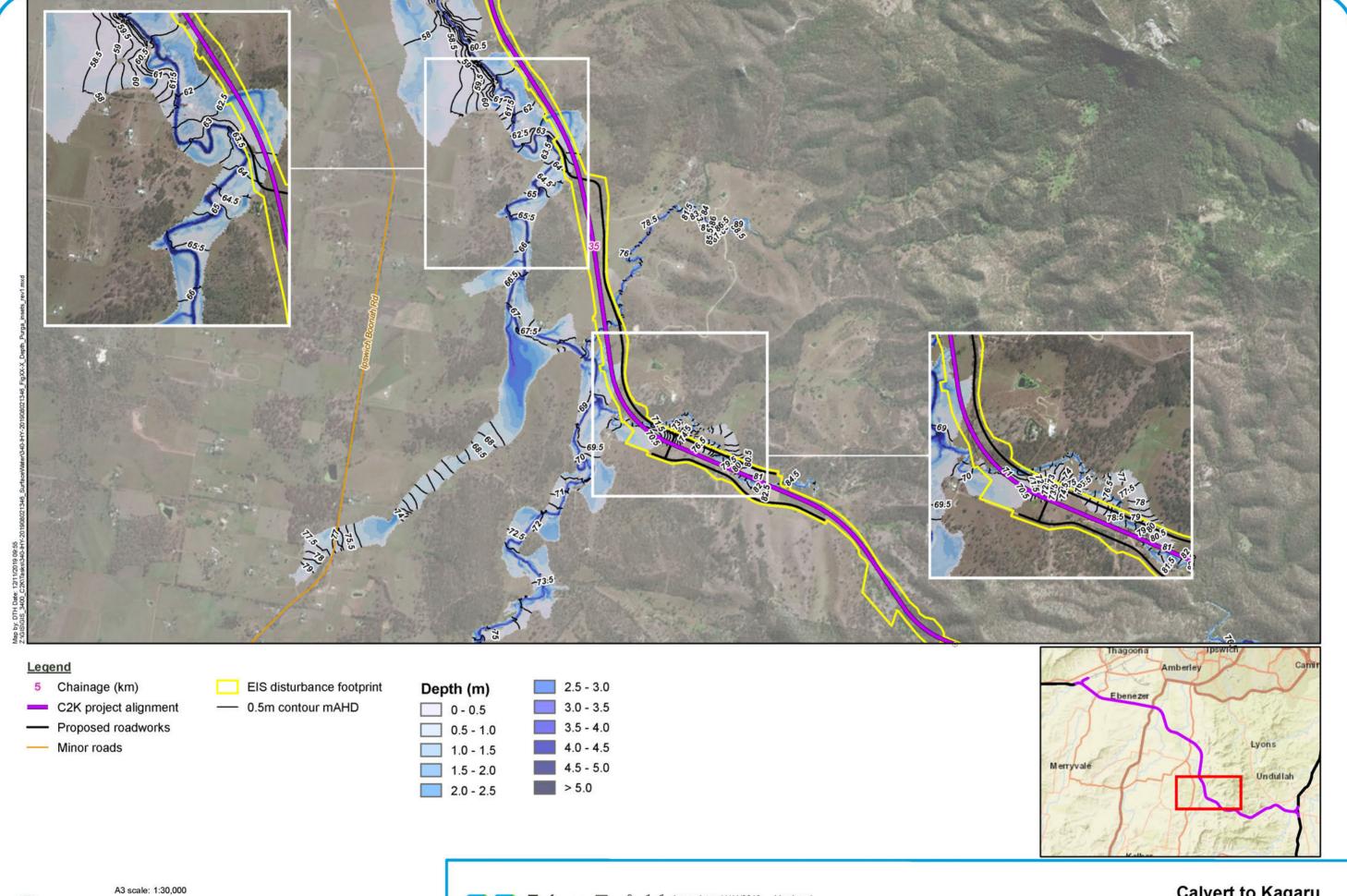






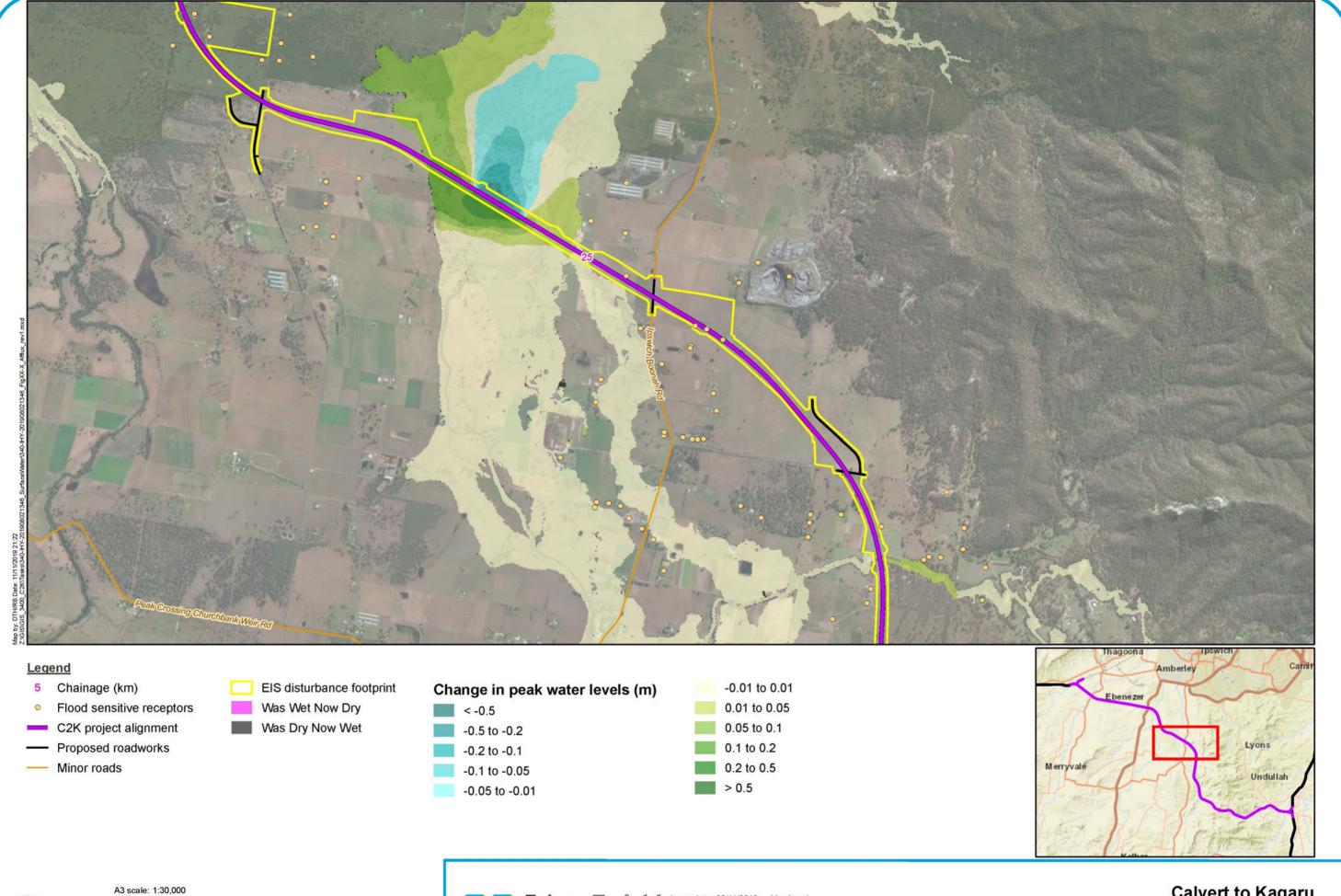






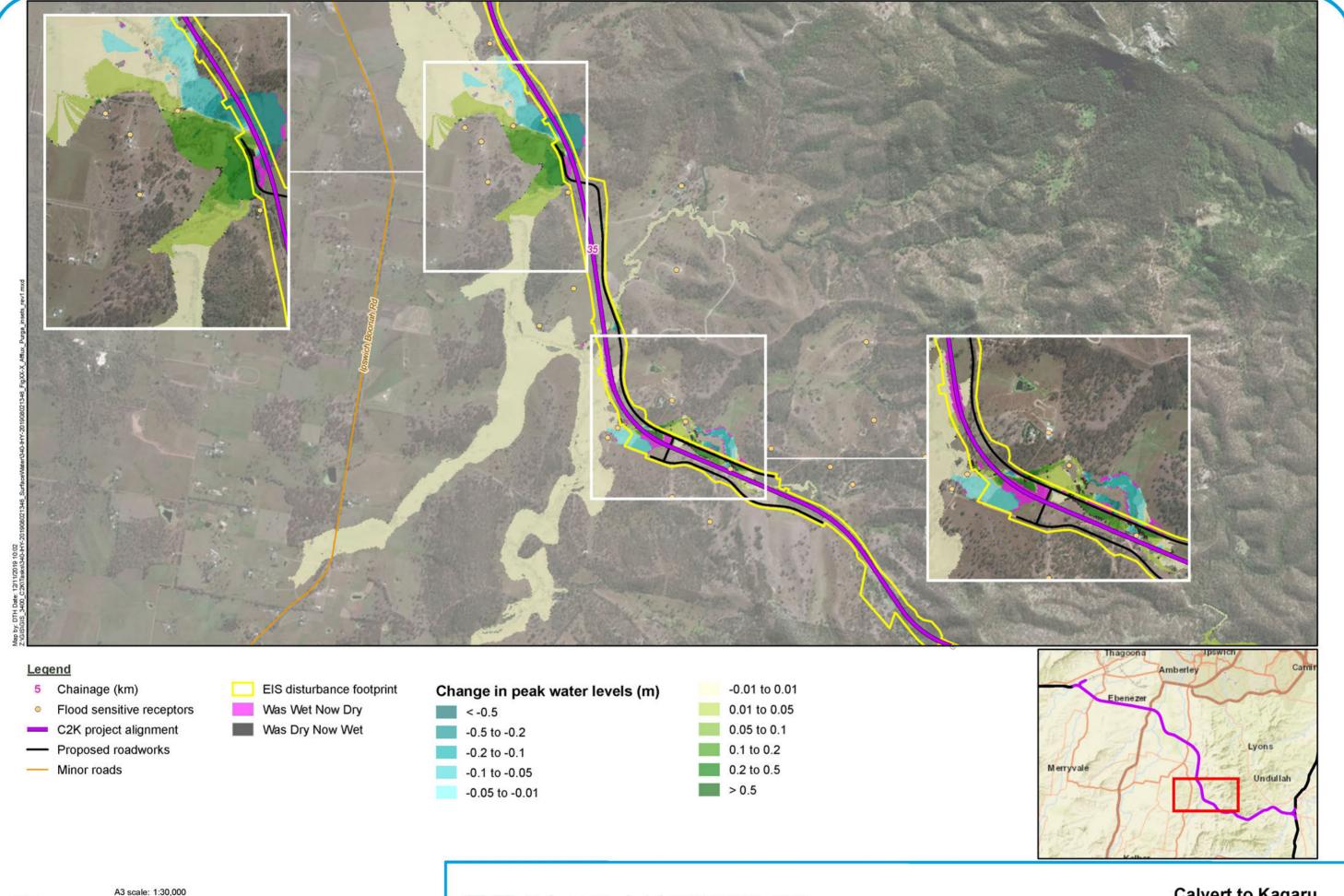
















Calvert to Kagaru

