

FIGURE 56
MACQUARIE-LAKE CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD LEVEL

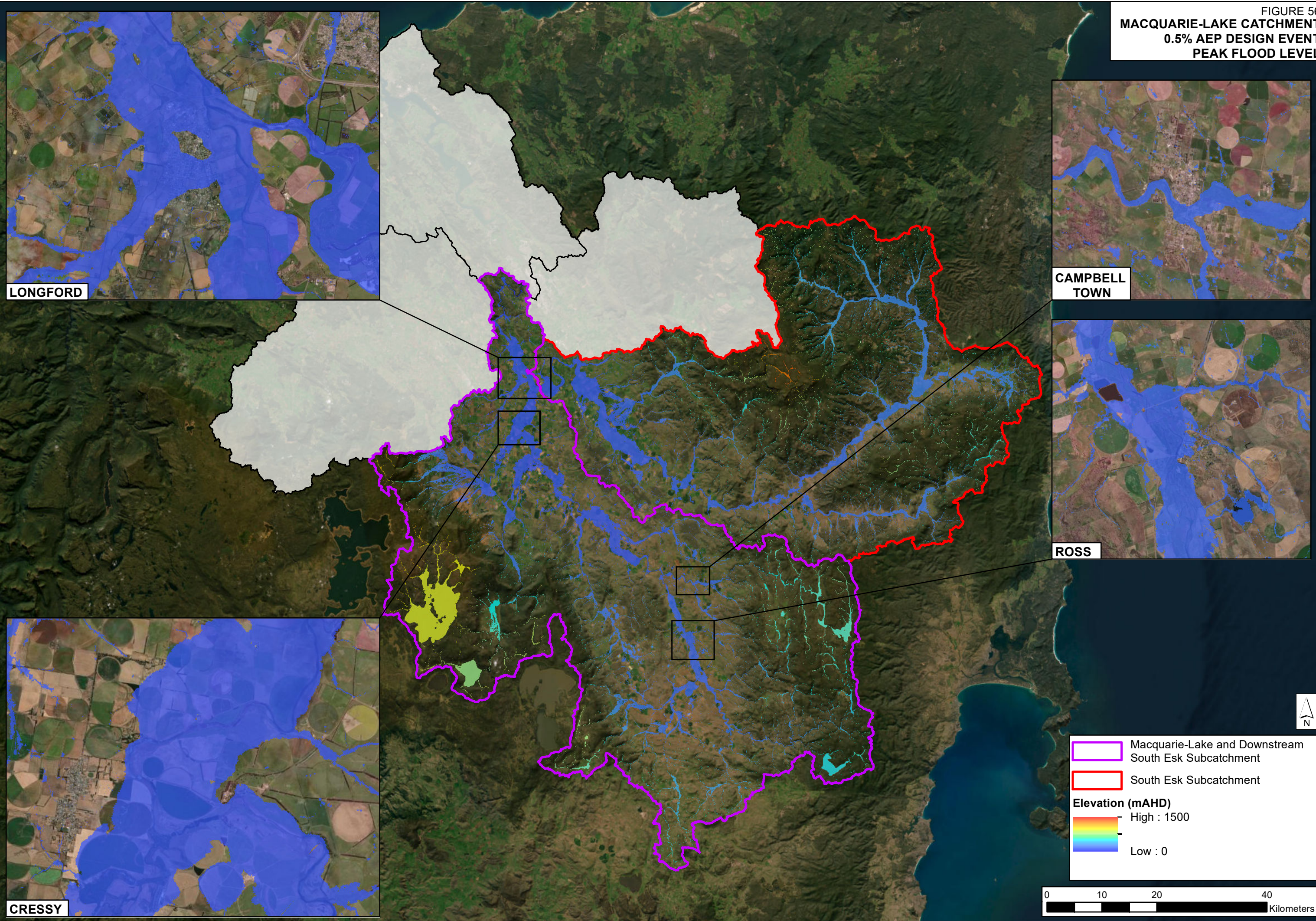
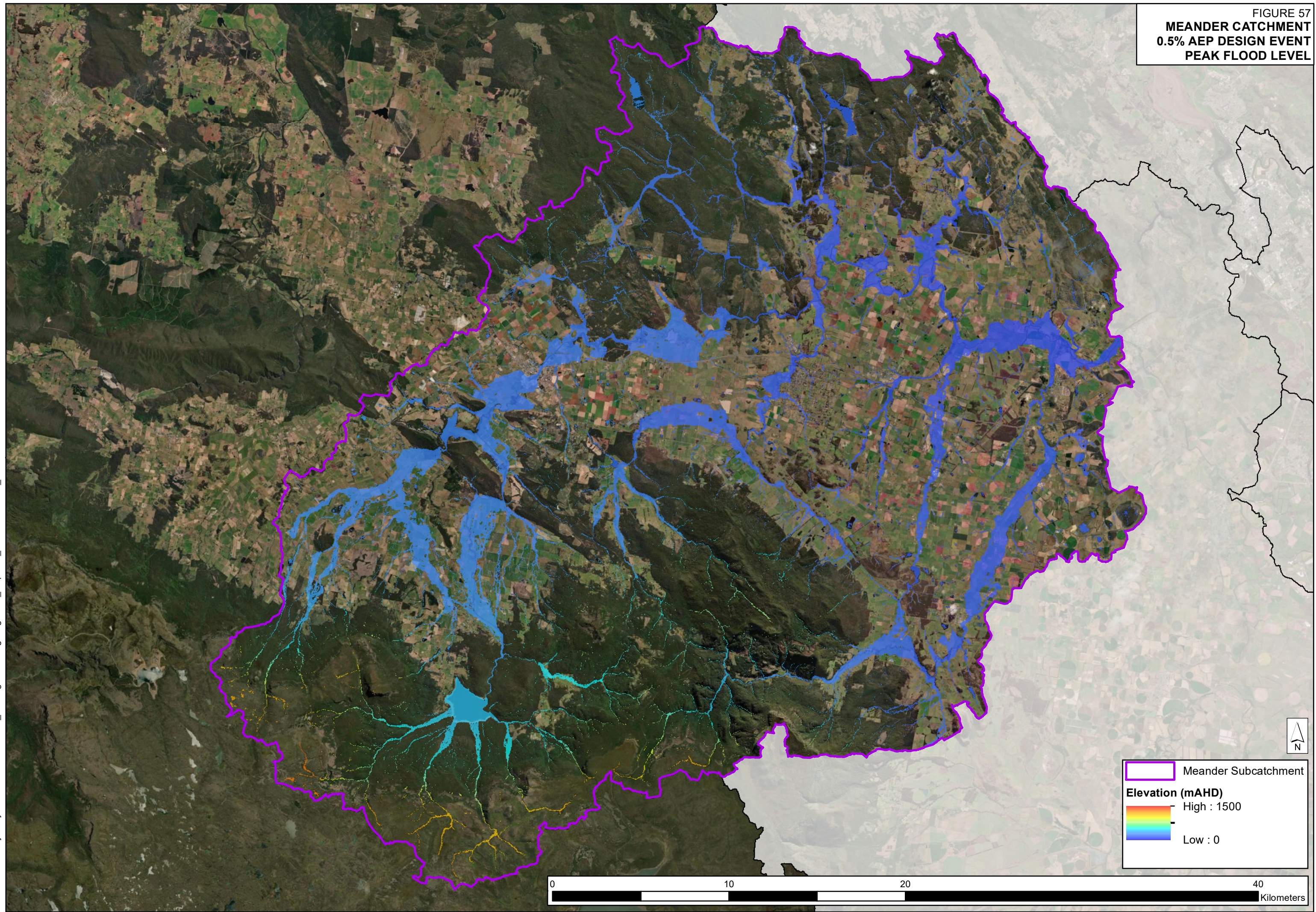


FIGURE 57
MEANDER CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD LEVEL



Meander Subcatchment

Elevation (mAHd)

High : 1500

Low : 0

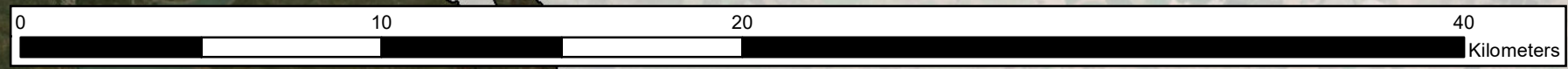


FIGURE 58
SOUTH ESK CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD LEVEL

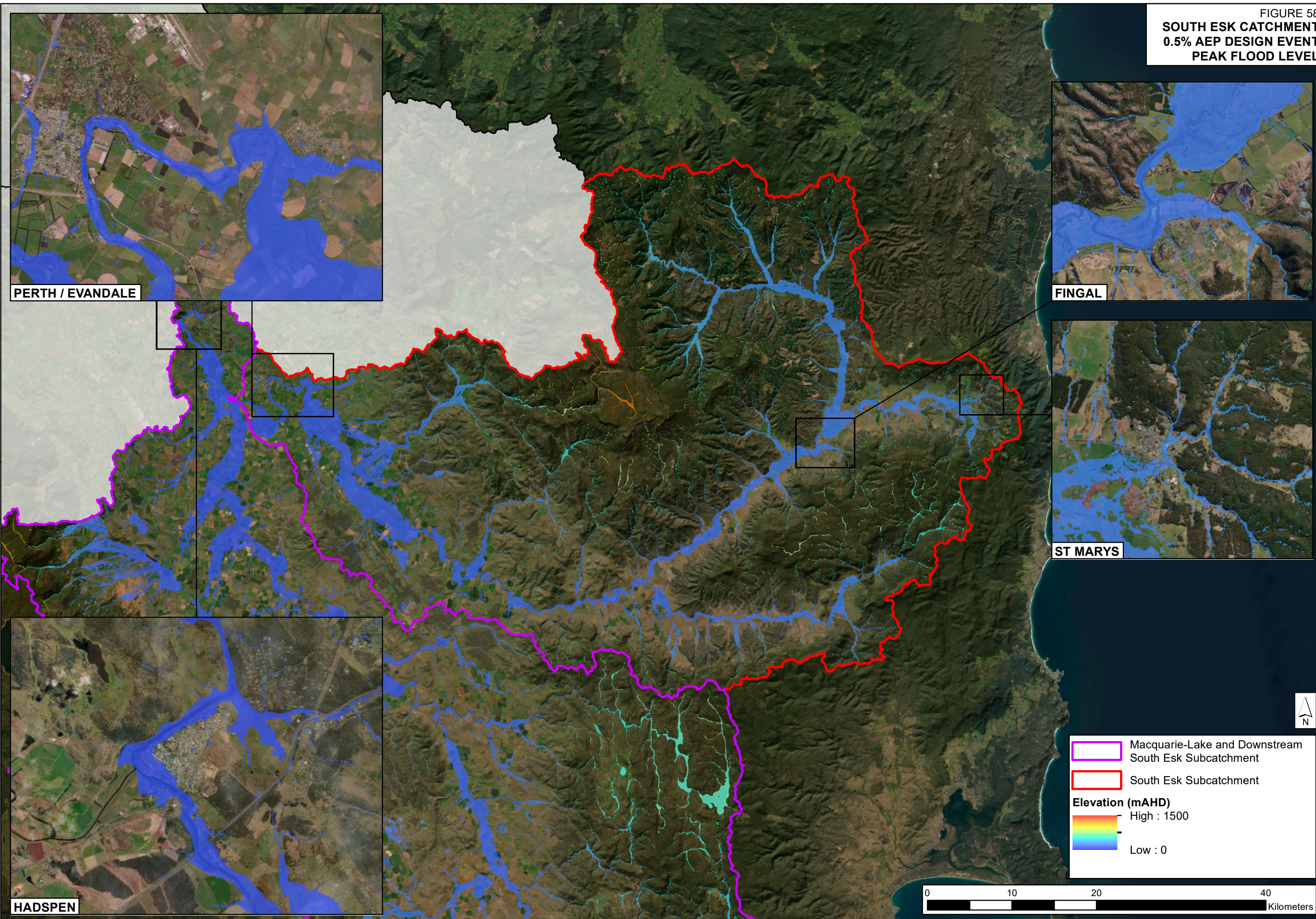


FIGURE 59
NORTH ESK-TAMAR CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD LEVEL

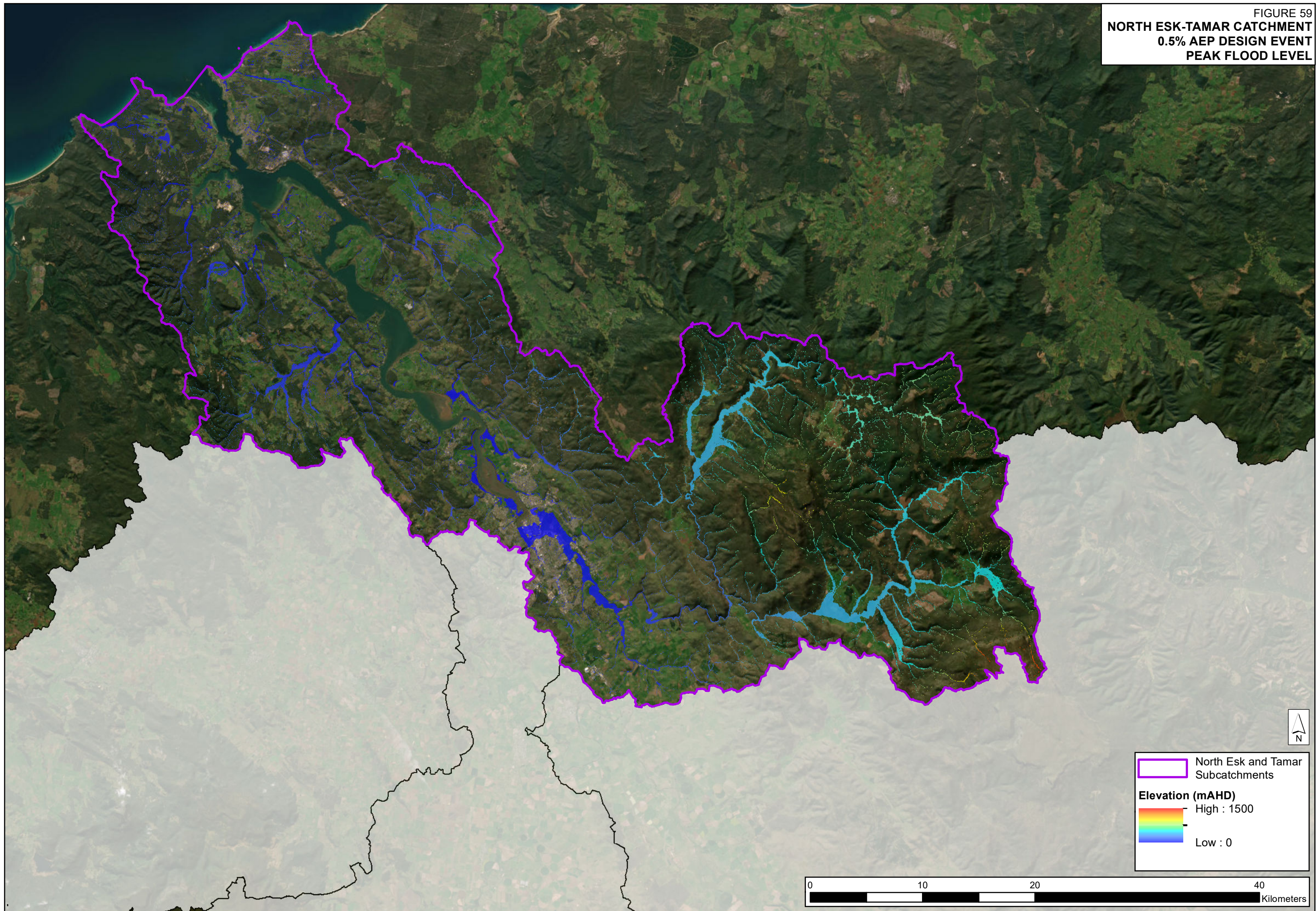


FIGURE 60
MACQUARIE-LAKE CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD DEPTH

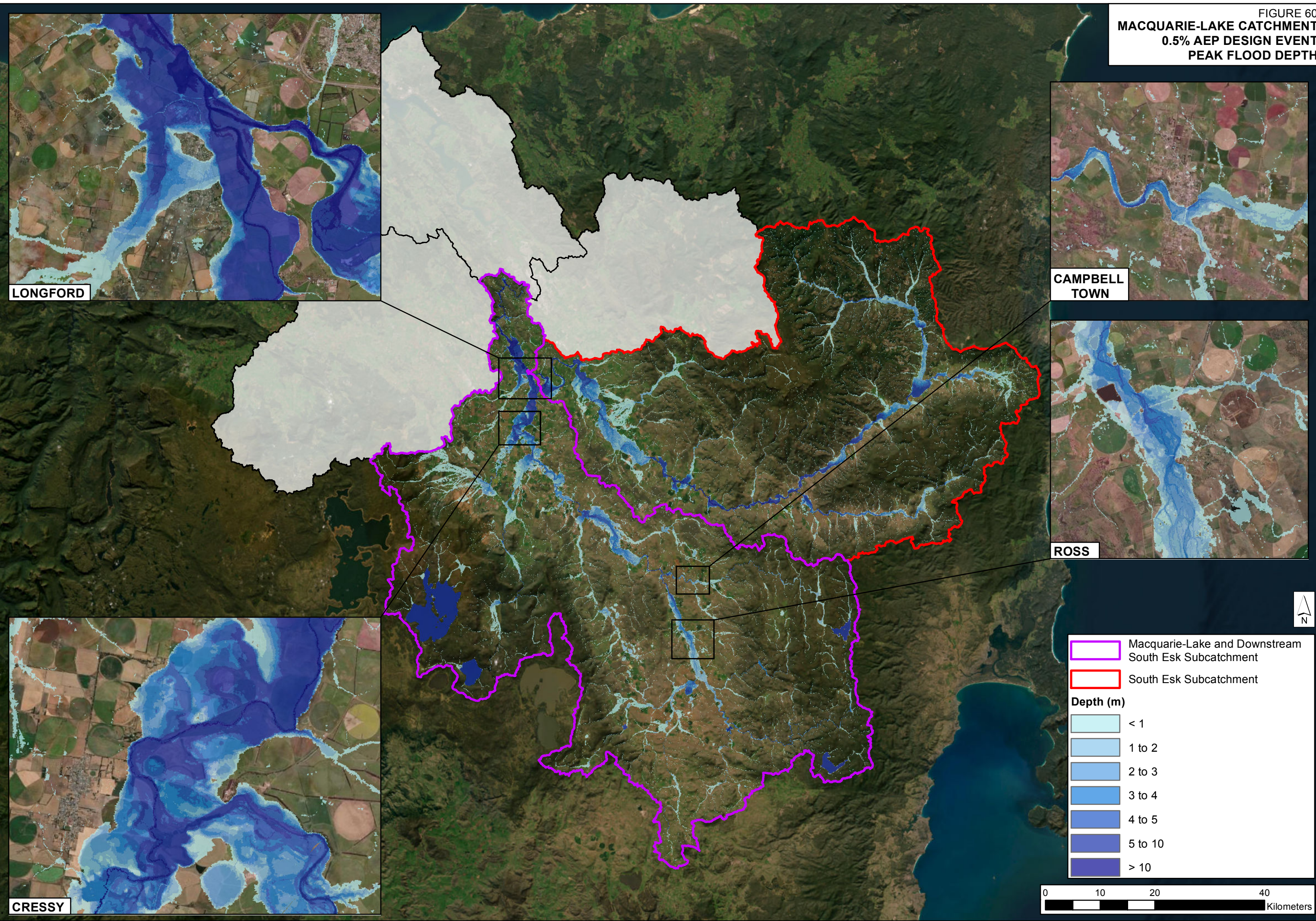
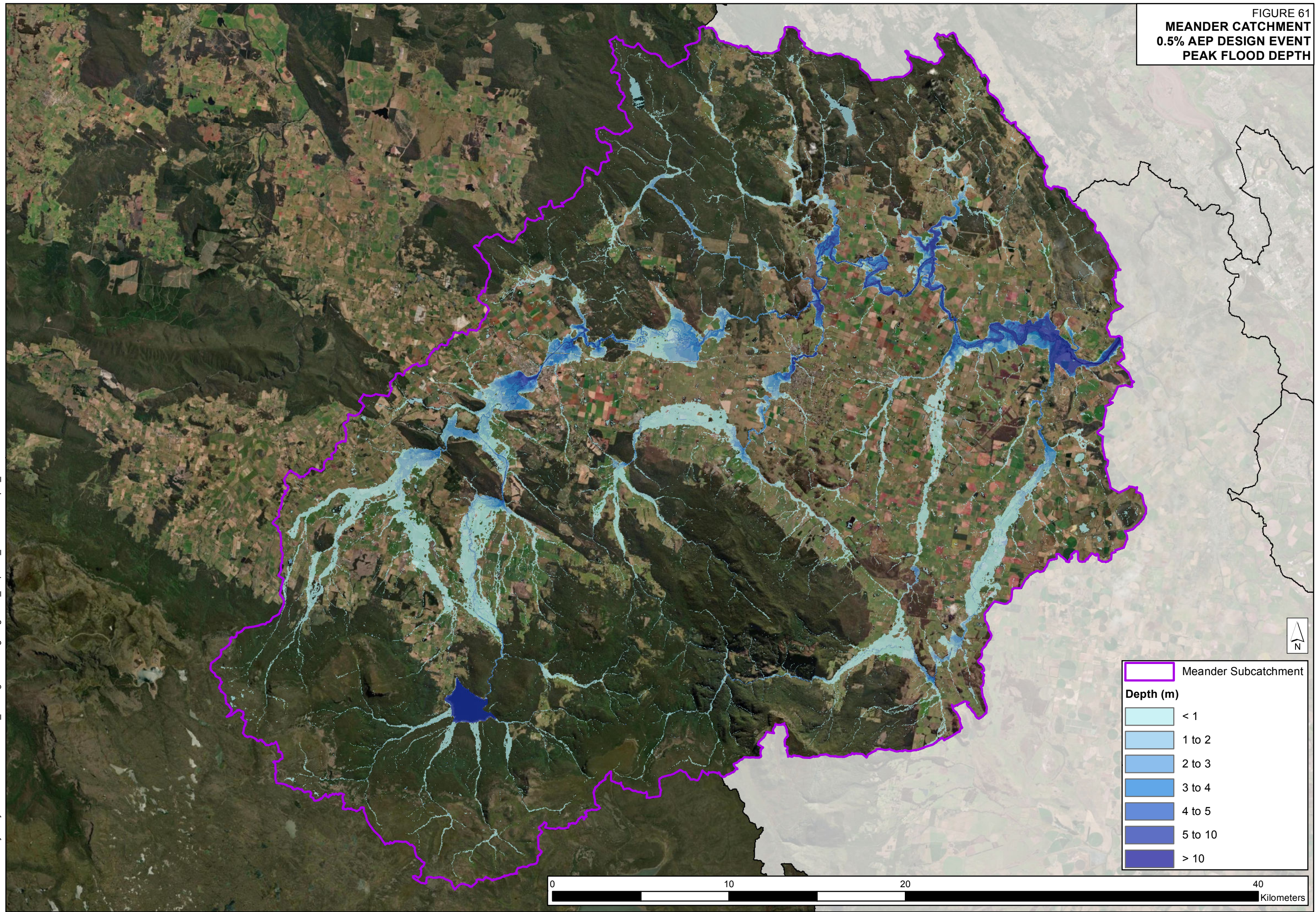


FIGURE 61
MEANDER CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD DEPTH



Meander Subcatchment

Depth (m)

< 1
1 to 2
2 to 3
3 to 4
4 to 5
5 to 10
> 10

0 10 20 40
Kilometers

FIGURE 62
SOUTH ESK CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD DEPTH

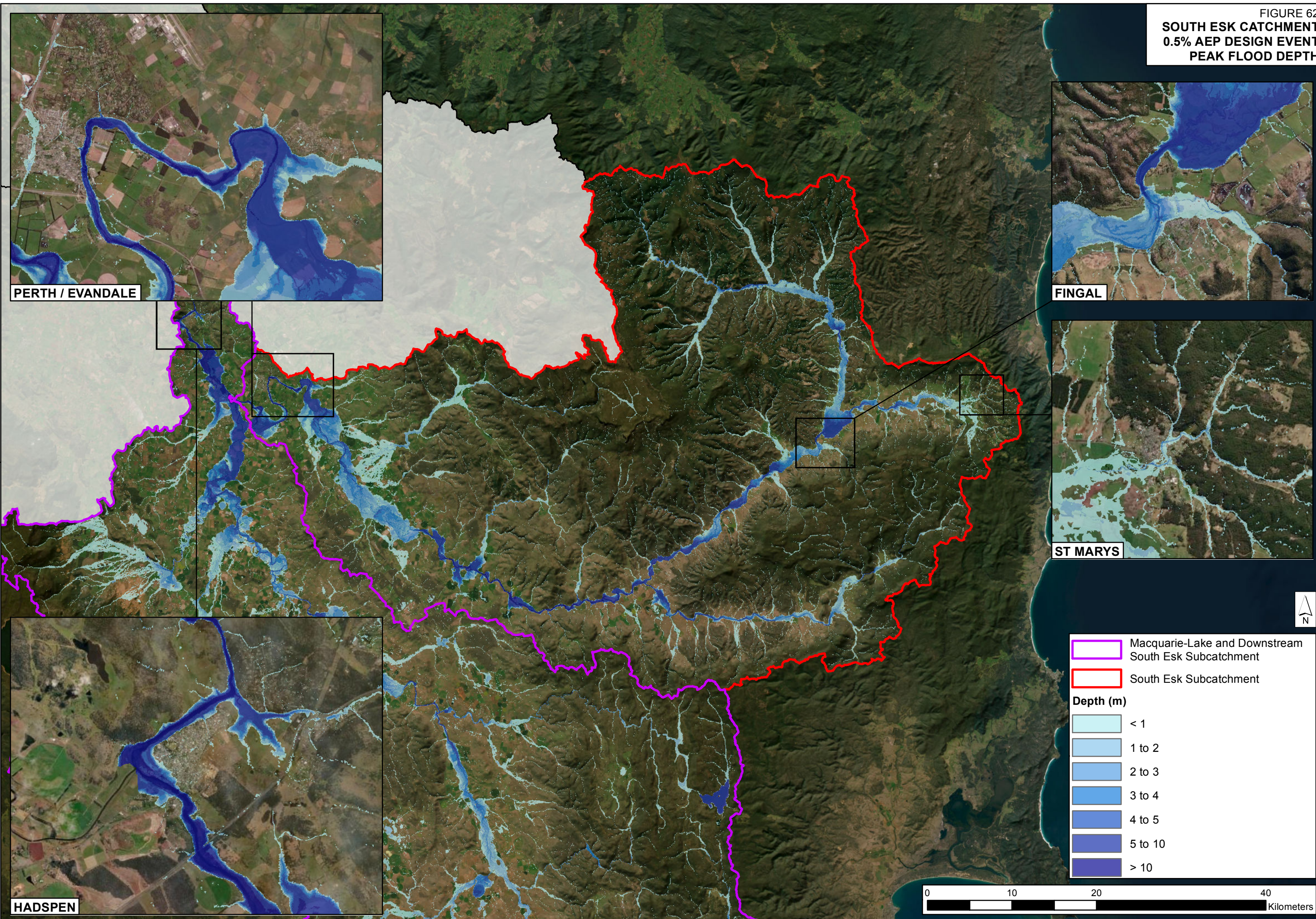


FIGURE 63
NORTH ESK-TAMAR CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD DEPTH

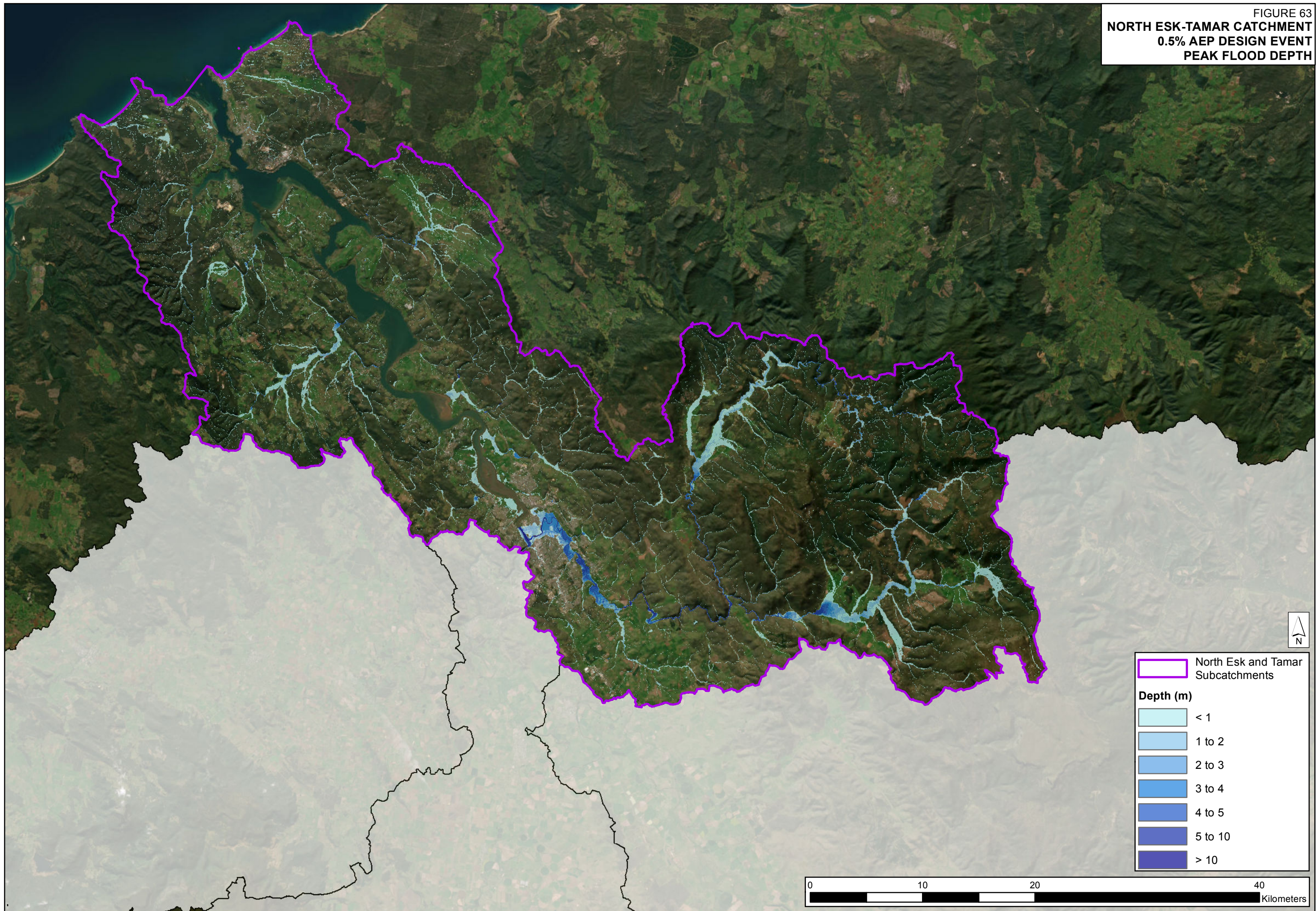


FIGURE 64
MACQUARIE-LAKE CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD VELOCITY

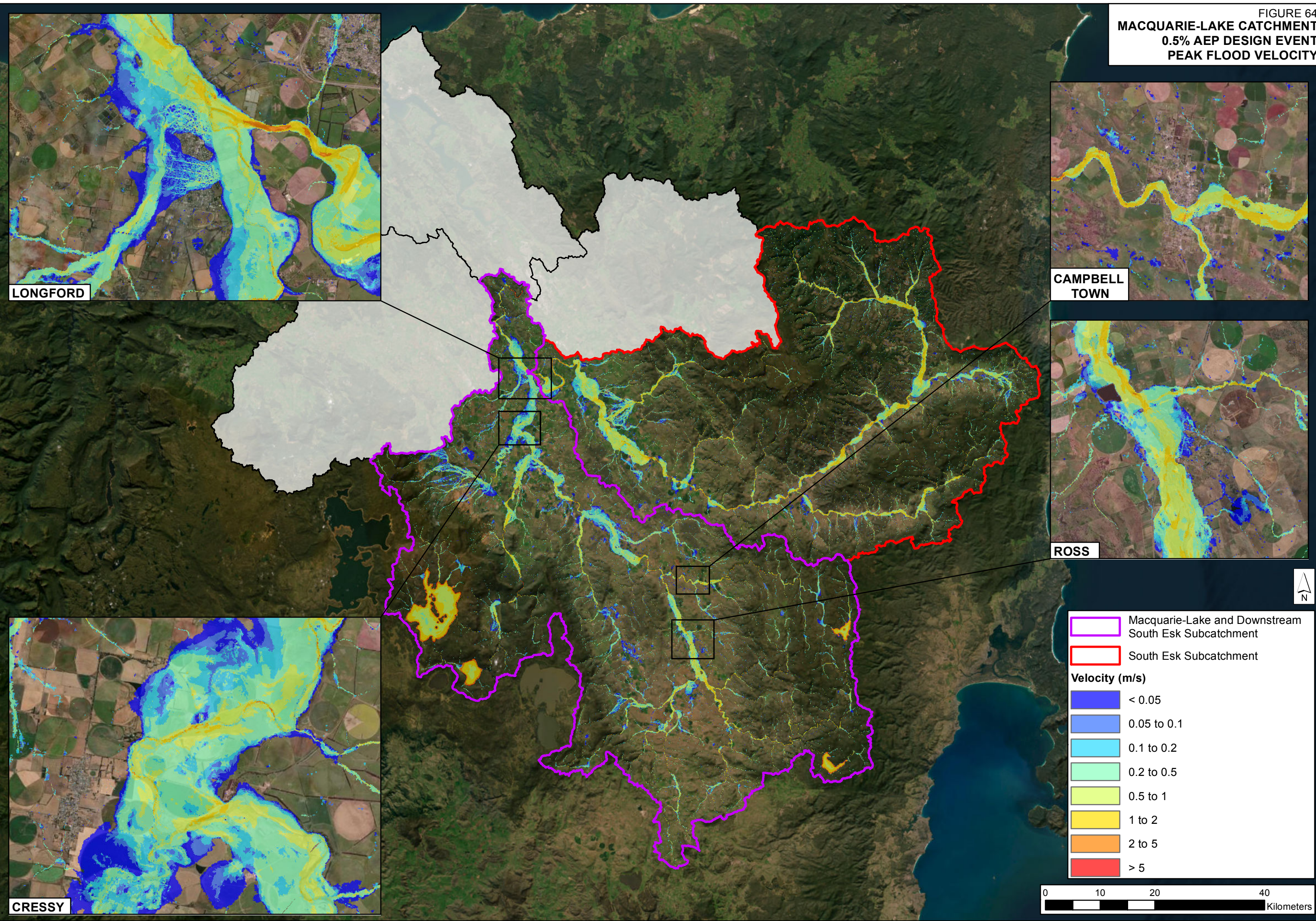


FIGURE 65
MEANDER CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD VELOCITY

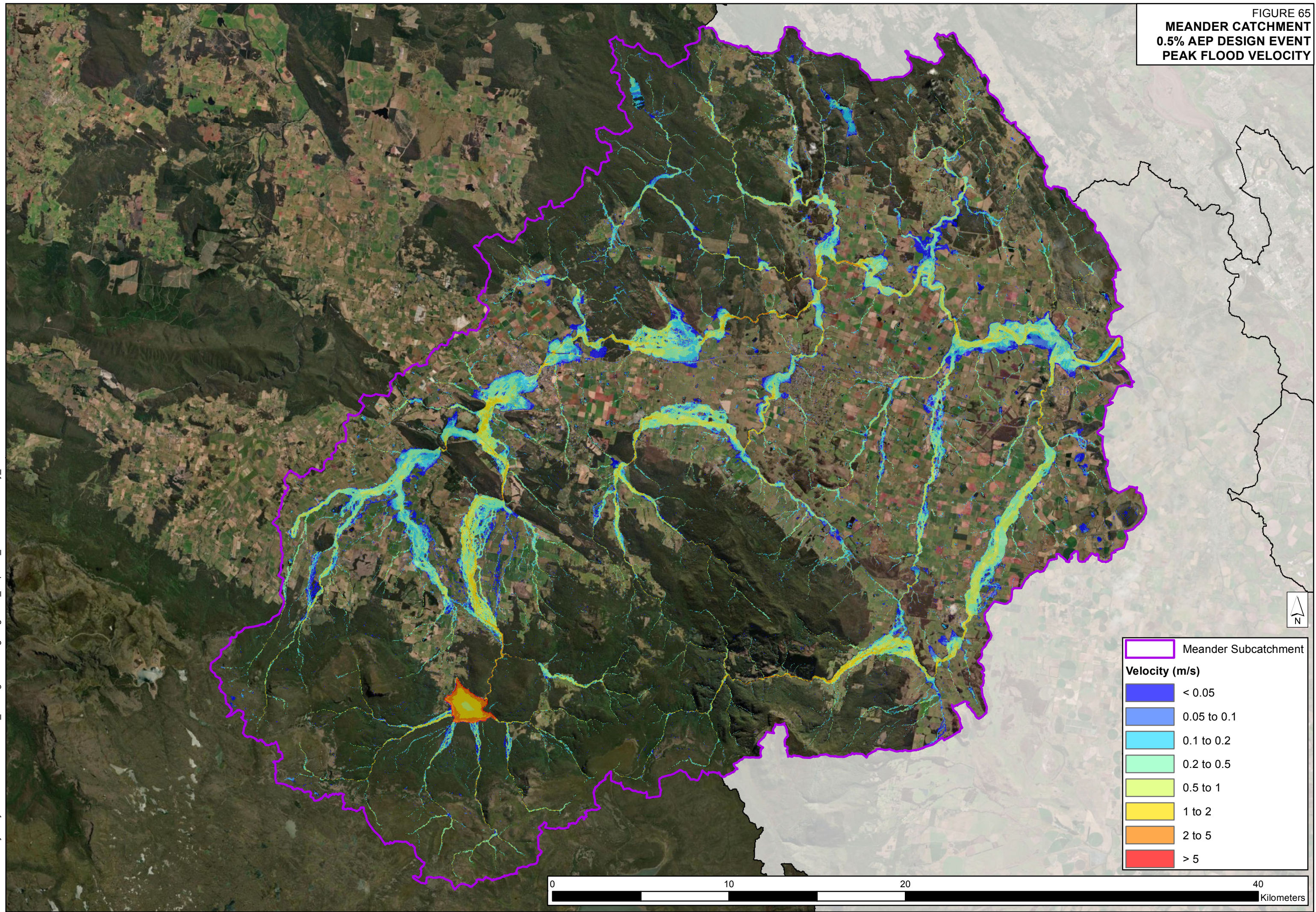


FIGURE 66
SOUTH ESK CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD VELOCITY

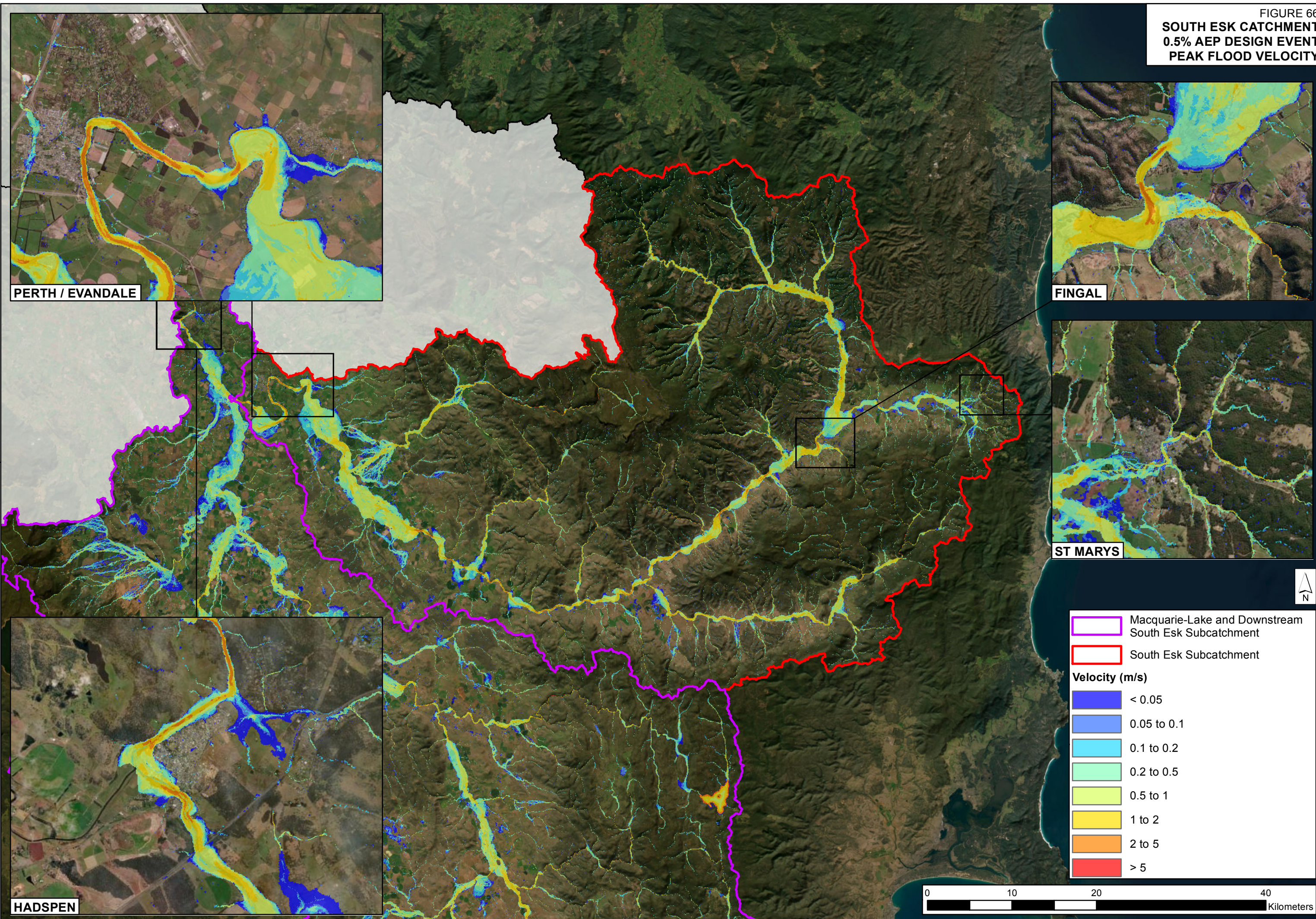


FIGURE 67
NORTH ESK-TAMAR CATCHMENT
0.5% AEP DESIGN EVENT
PEAK FLOOD VELOCITY

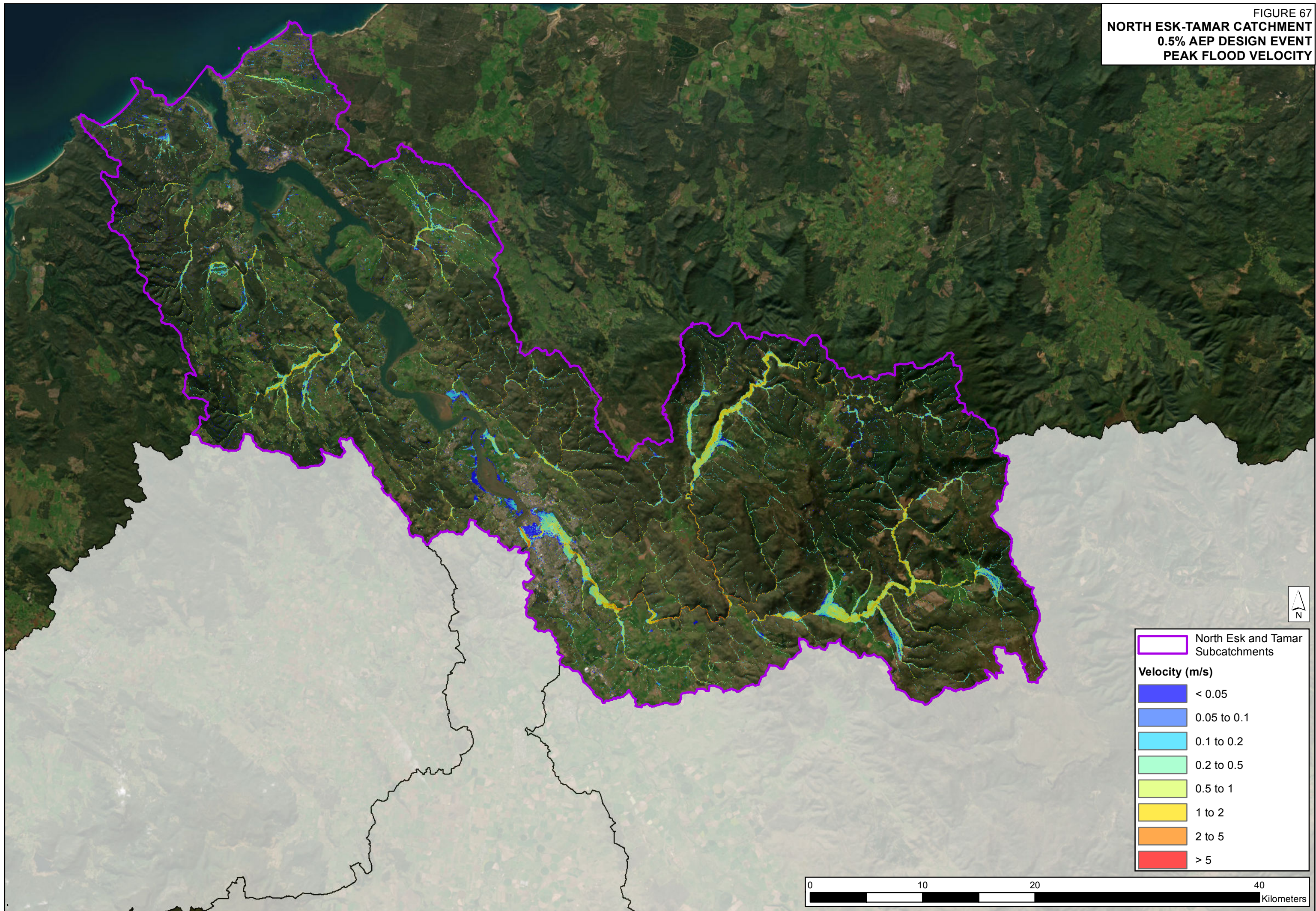


FIGURE 68
MACQUARIE-LAKE CATCHMENT
0.5% AEP DESIGN EVENT
PEAK HYDRAULIC HAZARD

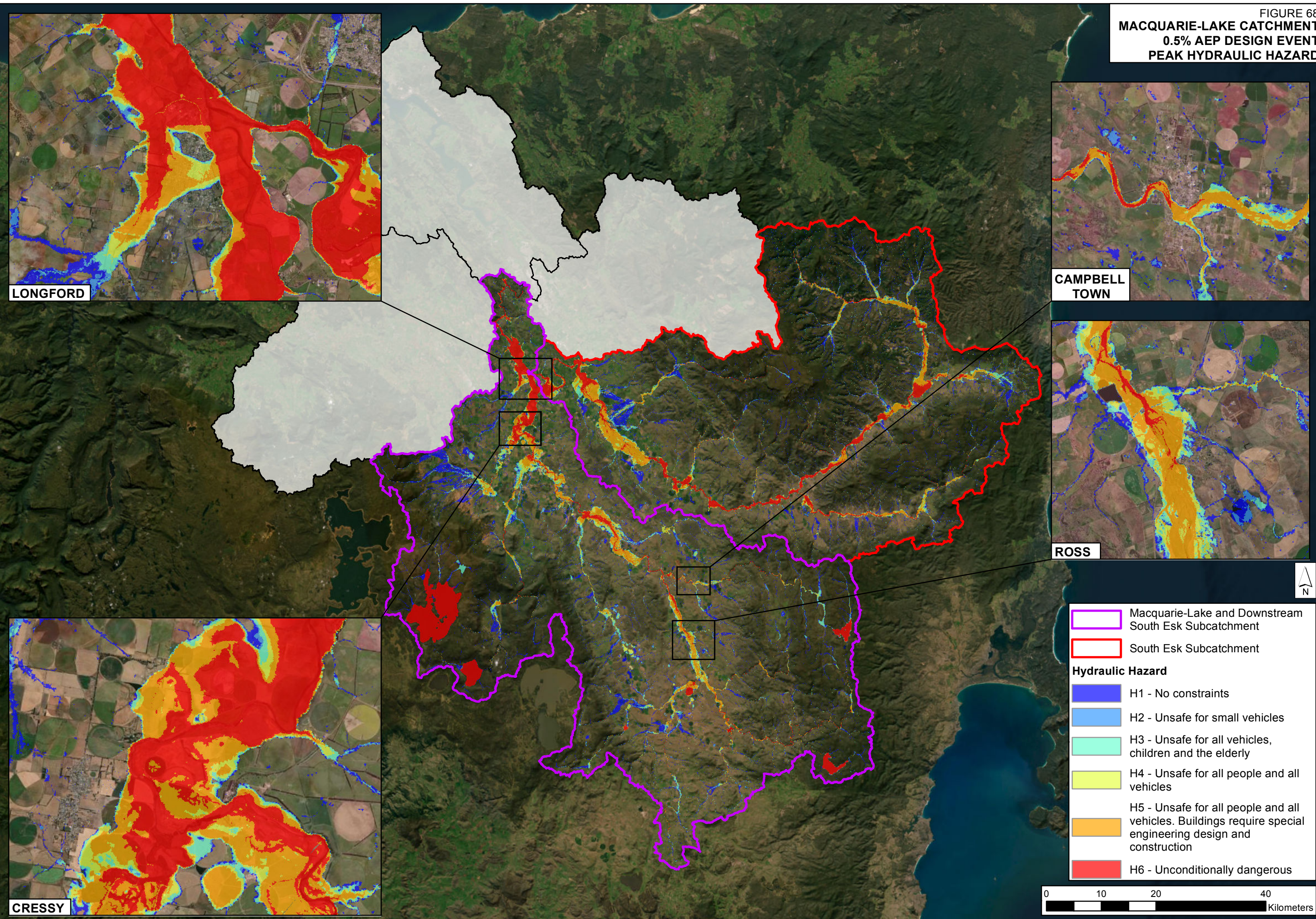


FIGURE 69
MEANDER CATCHMENT
0.5% AEP DESIGN EVENT
PEAK HYDRAULIC HAZARD

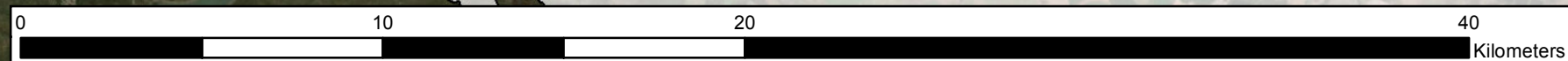
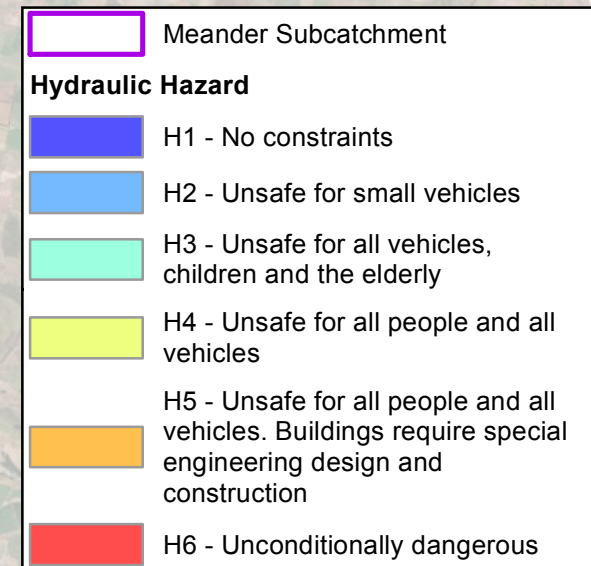
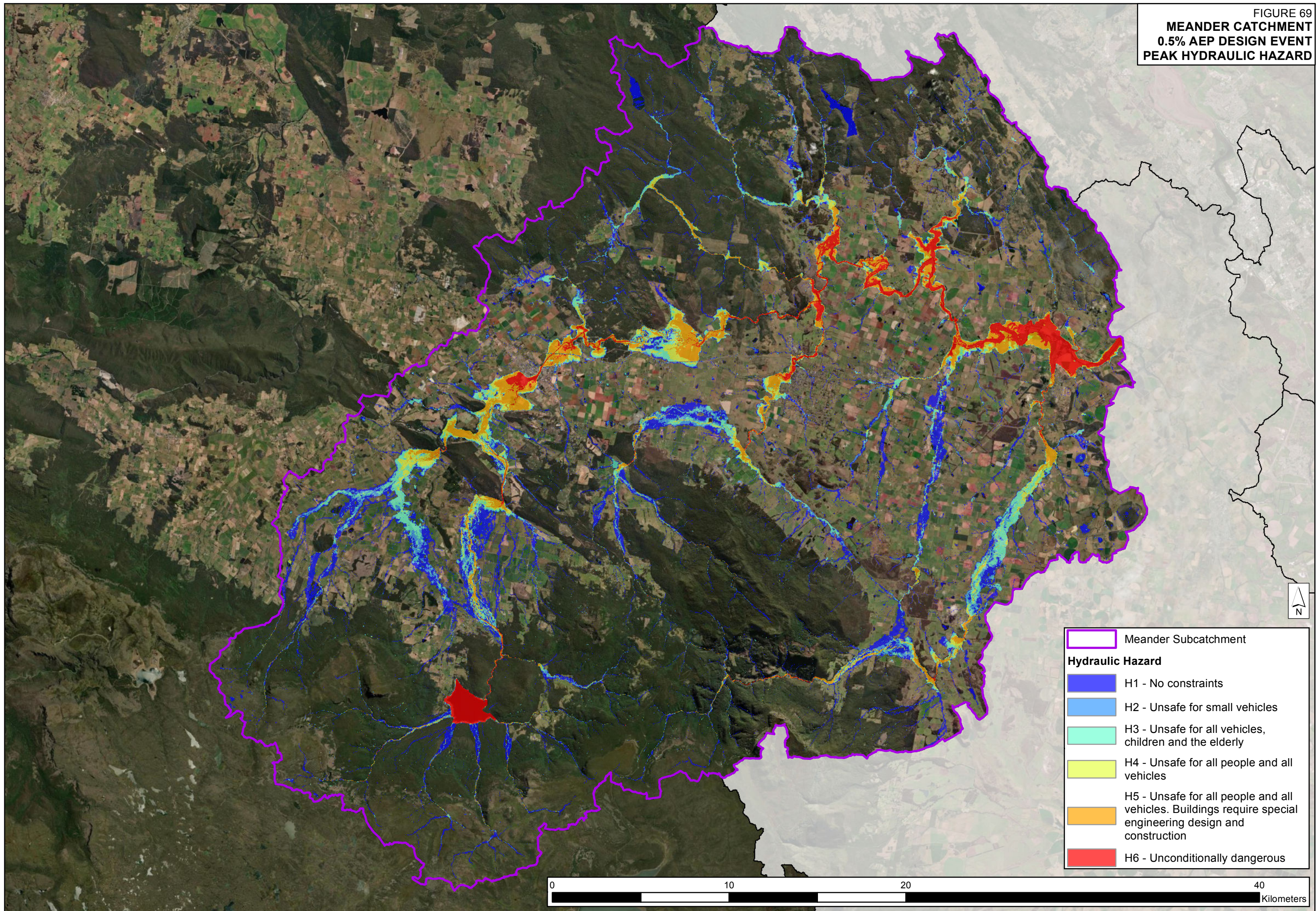


FIGURE 70
 SOUTH ESK CATCHMENT
 0.5% AEP DESIGN EVENT
 PEAK HYDRAULIC HAZARD

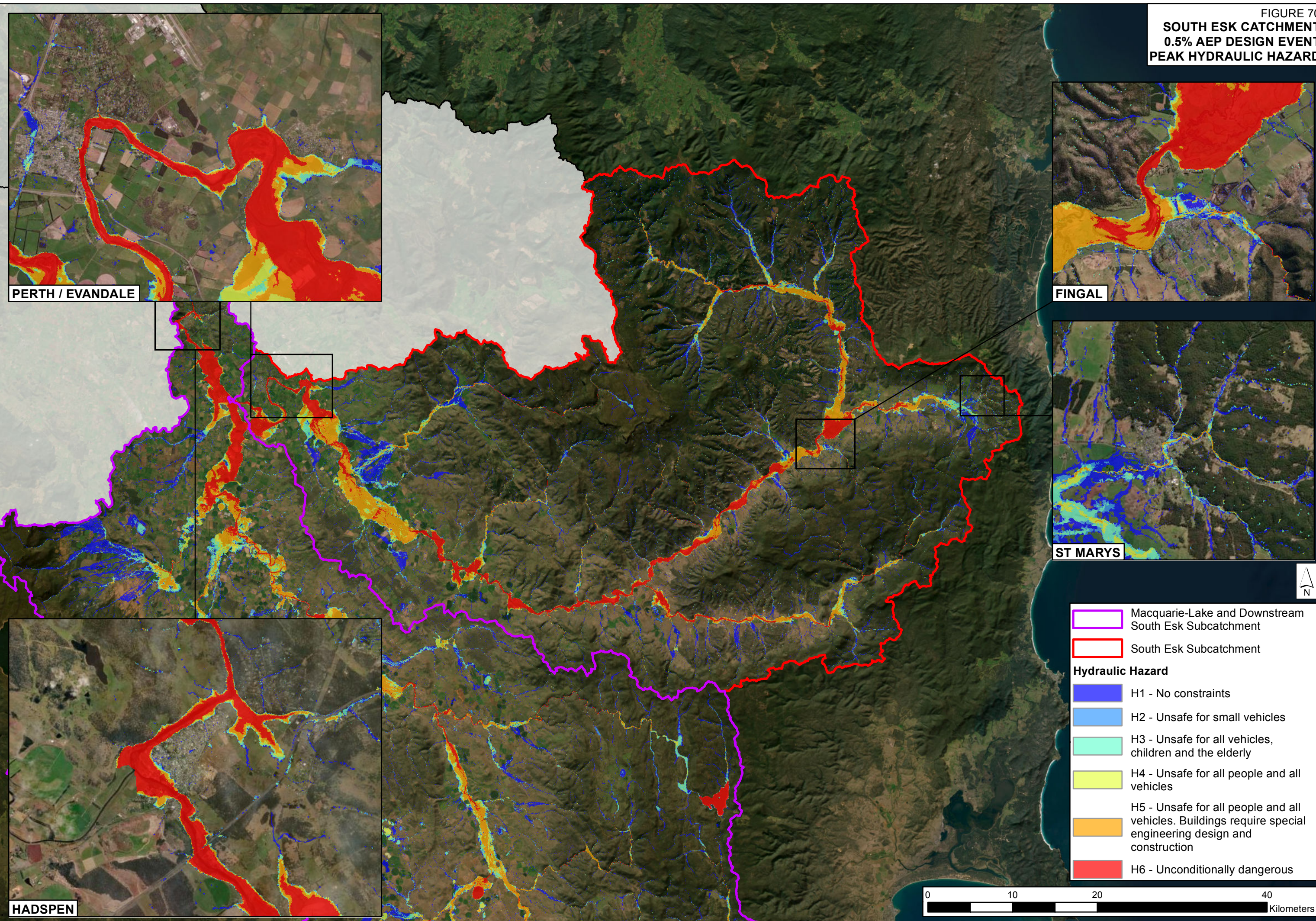
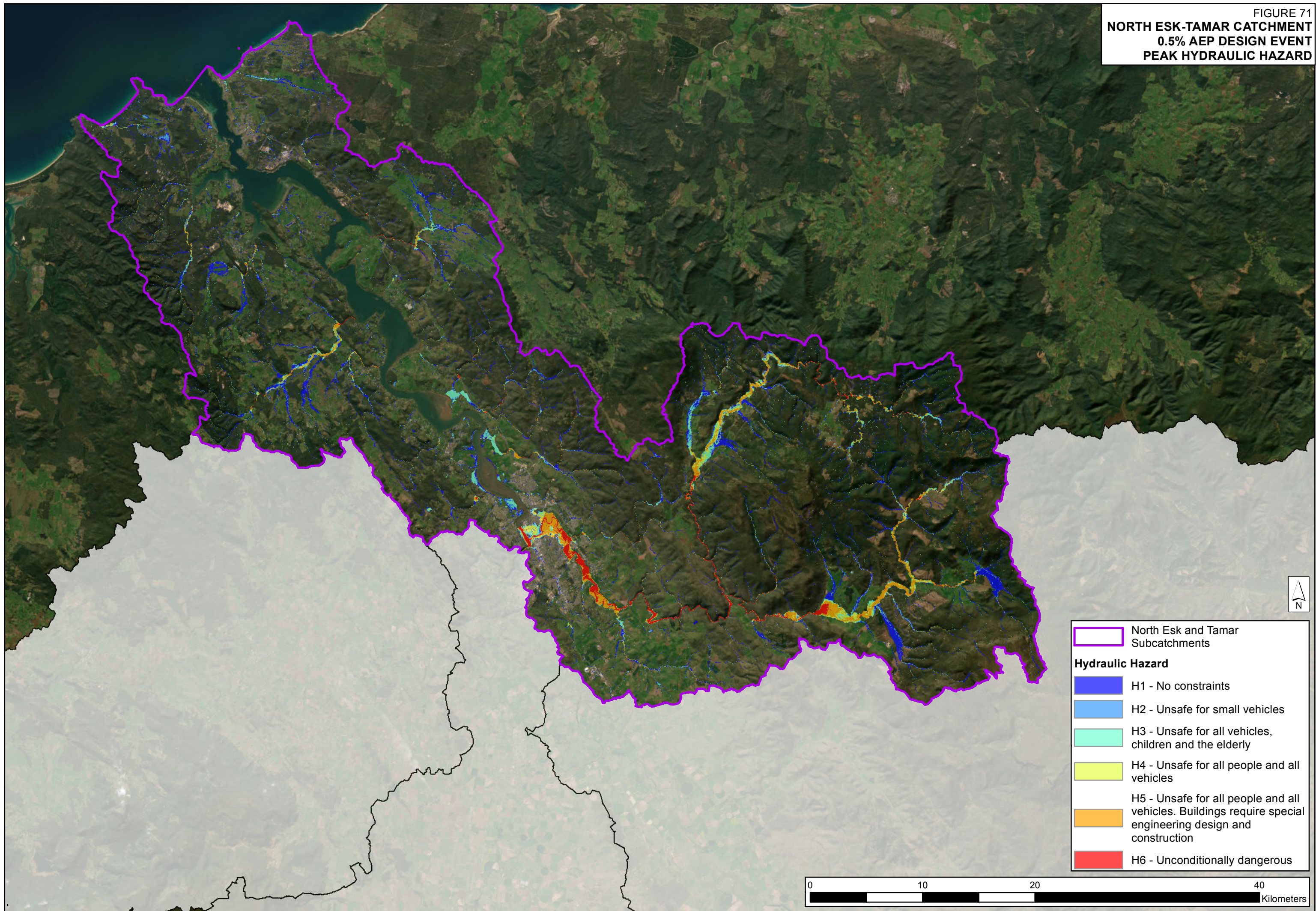


FIGURE 71
NORTH ESK-TAMAR CATCHMENT
0.5% AEP DESIGN EVENT
PEAK HYDRAULIC HAZARD



- North Esk and Tamar Subcatchments
- Hydraulic Hazard**
- H1 - No constraints
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for all vehicles, children and the elderly
 - H4 - Unsafe for all people and all vehicles
 - H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction
 - H6 - Unconditionally dangerous

0 10 20 40 Kilometers

FIGURE 72
MACQUARIE-LAKE CATCHMENT
1% AEP DESIGN EVENT
CRITICAL EVENT

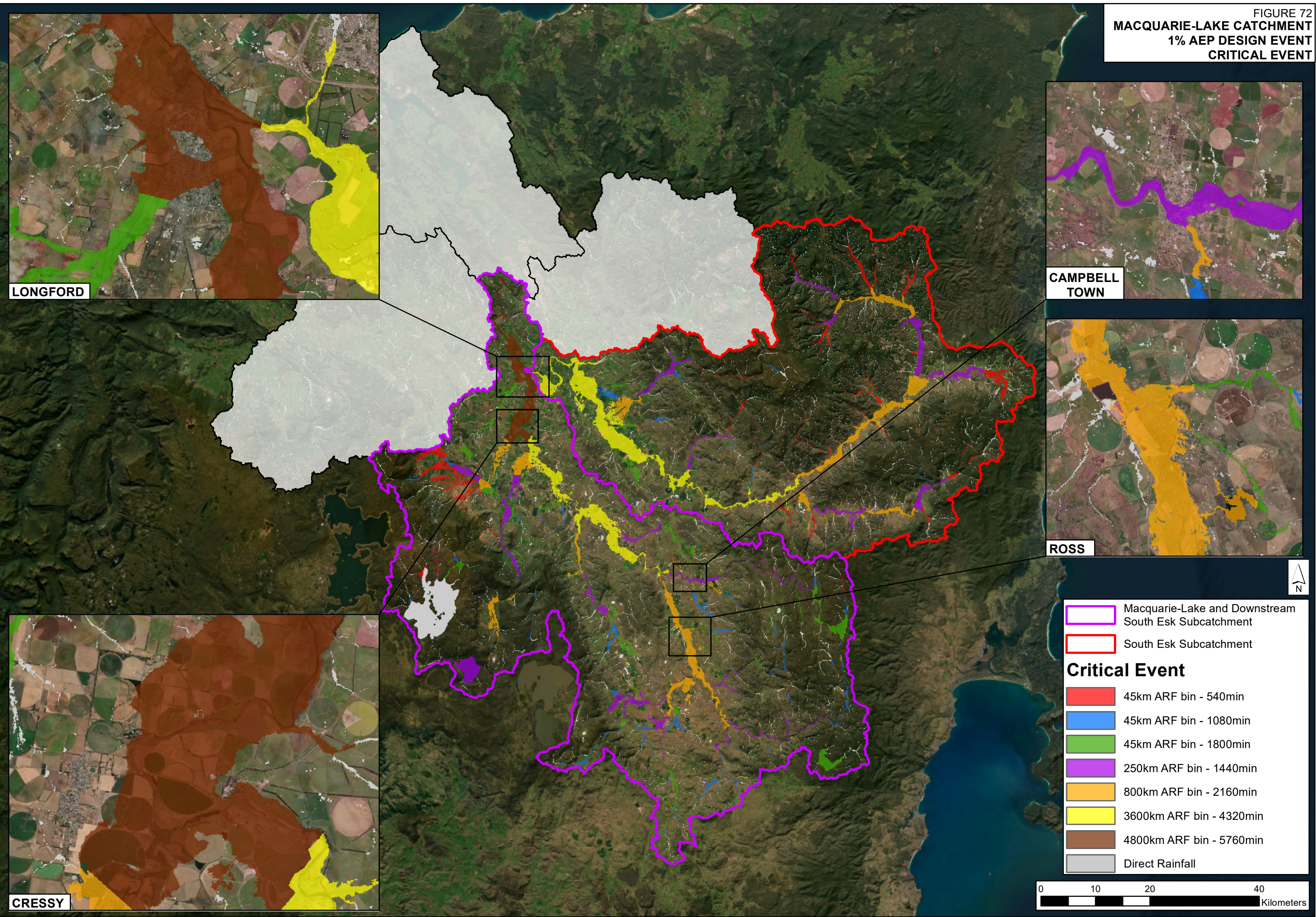


FIGURE 73
MEANDER CATCHMENT
1% AEP DESIGN EVENT
CRITICAL EVENT

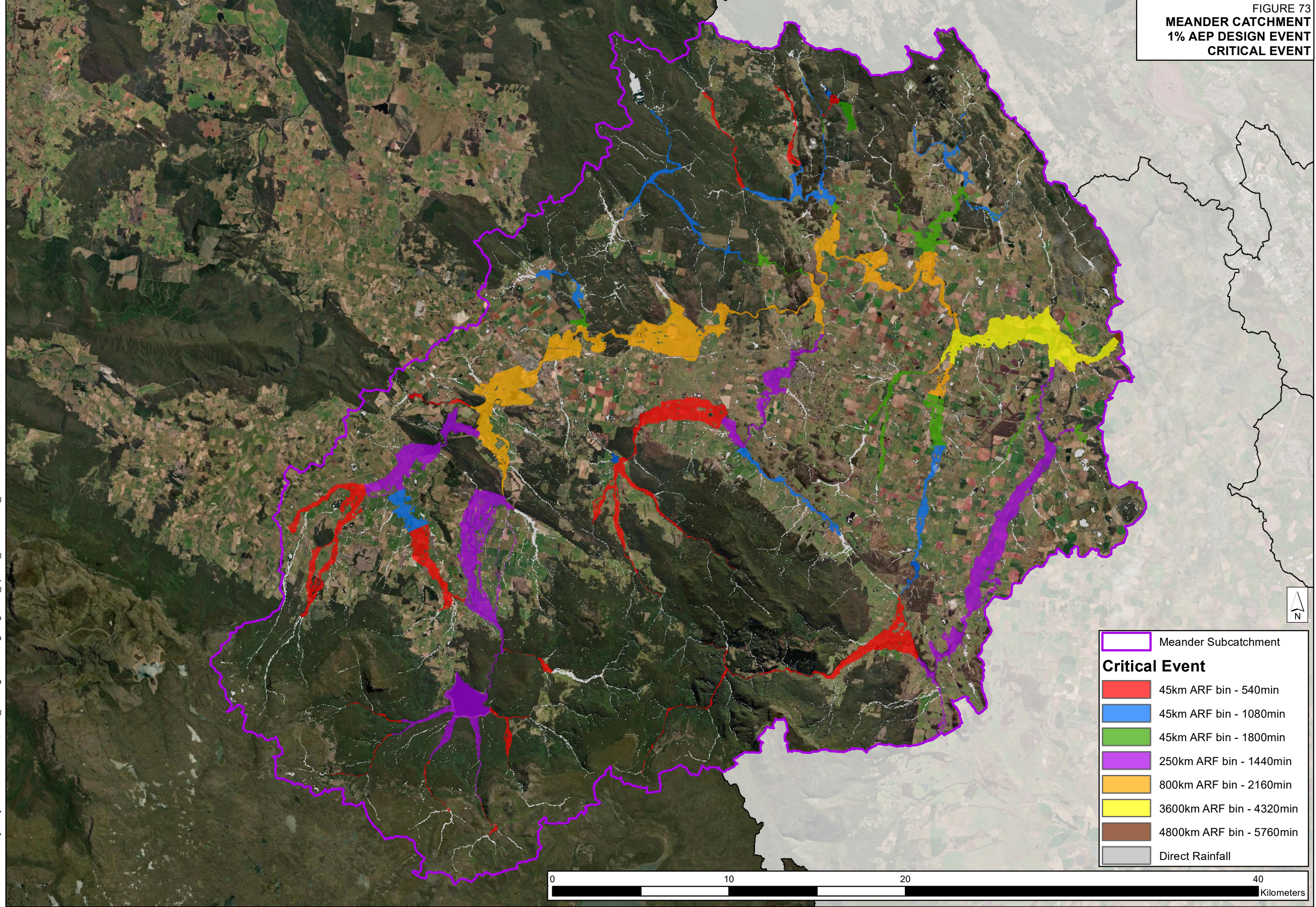


FIGURE 74
SOUTH ESK CATCHMENT
1% AEP DESIGN EVENT
CRITICAL EVENT

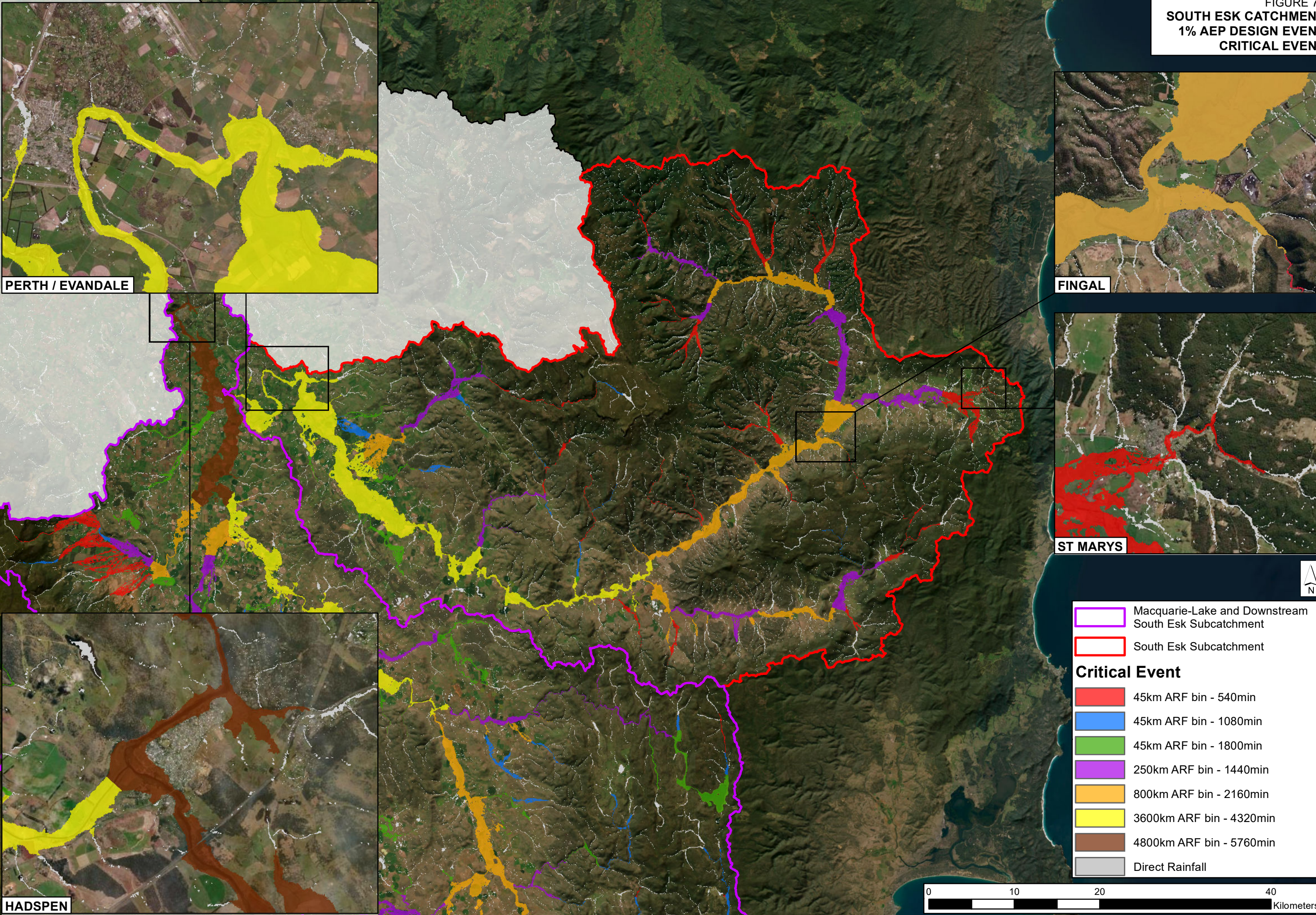
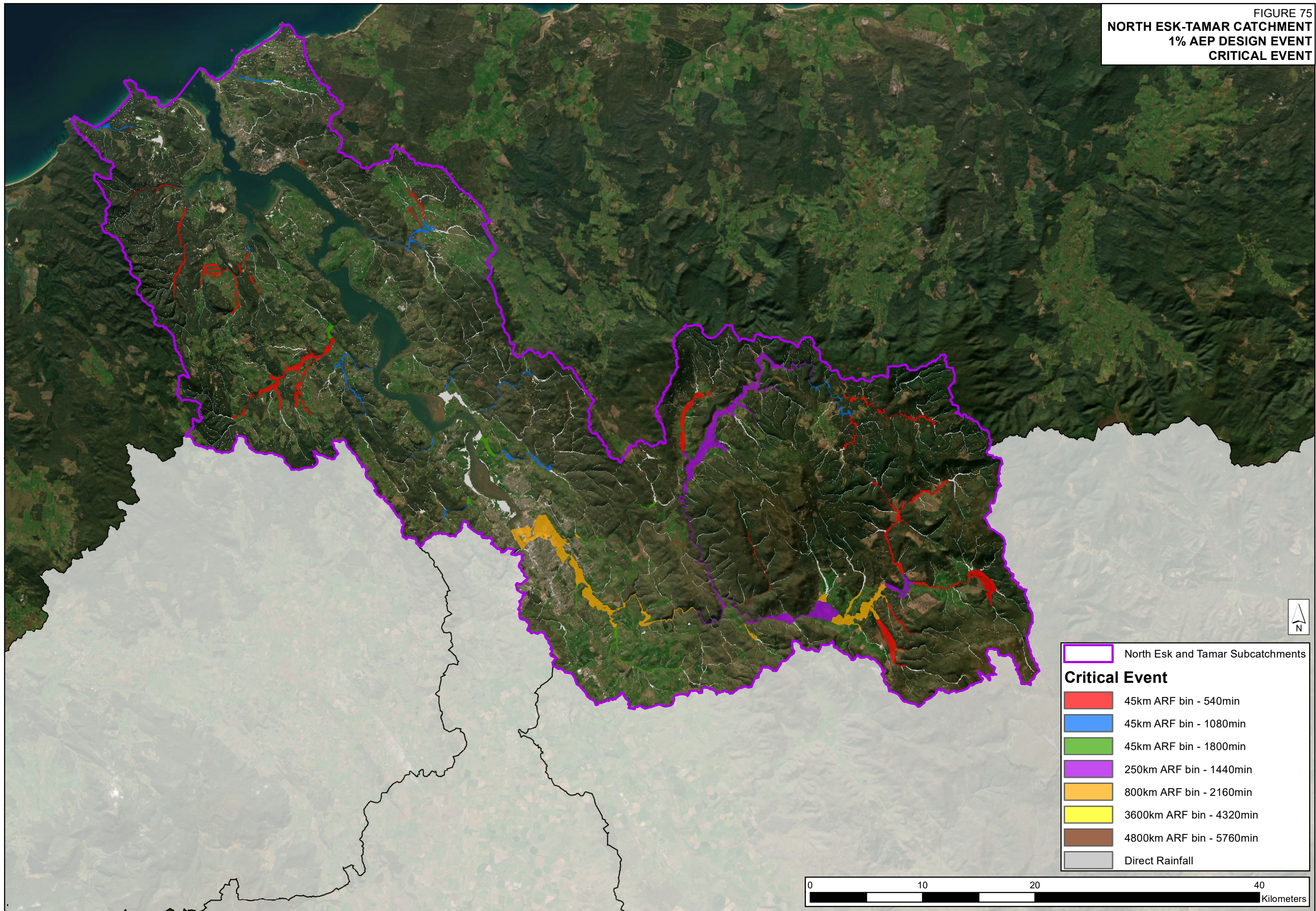


FIGURE 75
NORTH ESK-TAMAR CATCHMENT
1% AEP DESIGN EVENT
CRITICAL EVENT





APPENDIX A. DESIGN EVENT DATA

FIGURE A1
DESIGN RAINFALL DEPTHS
1440MIN 2% AEP

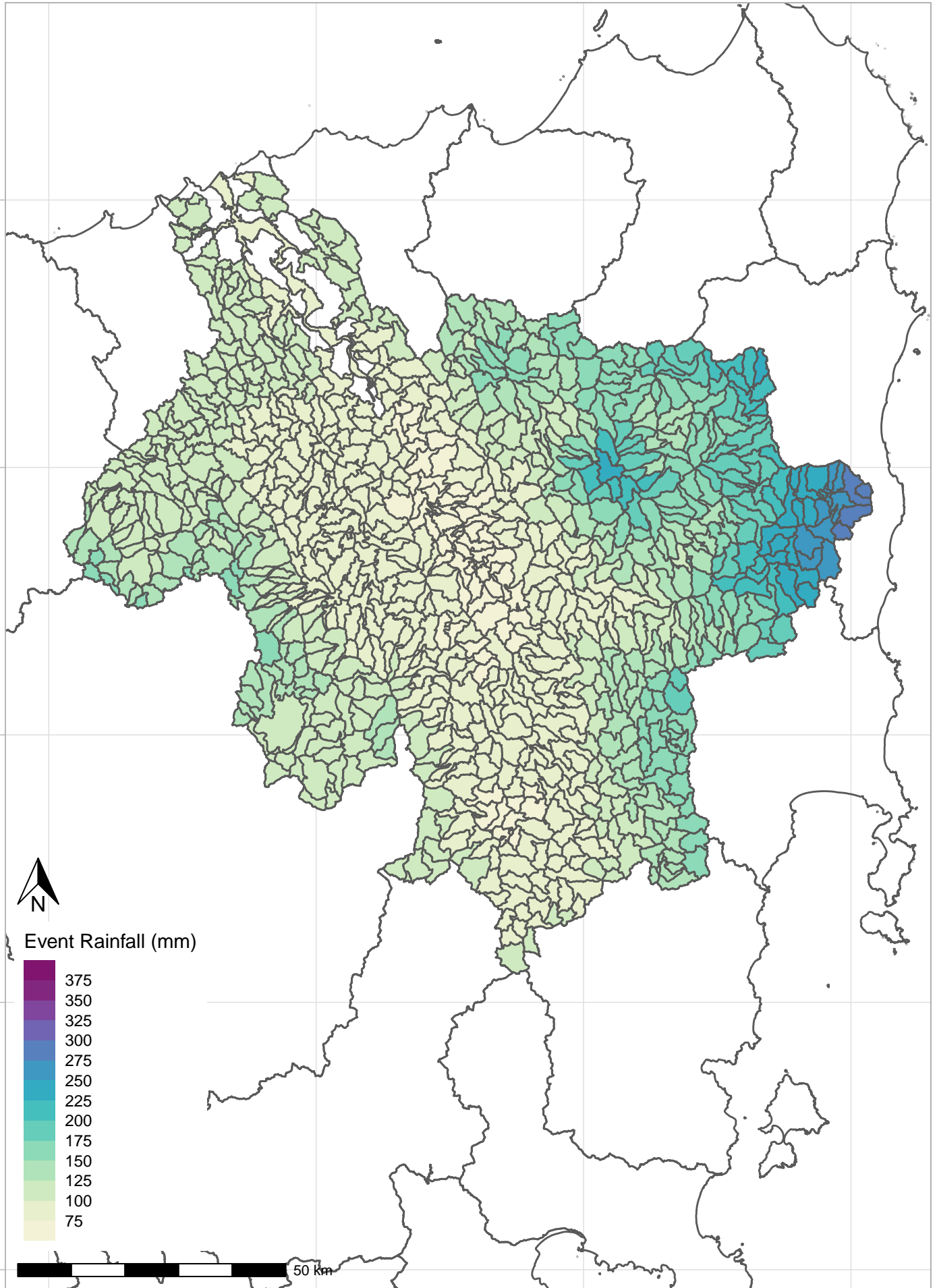


FIGURE A2
DESIGN RAINFALL DEPTHS
1440MIN 1% AEP

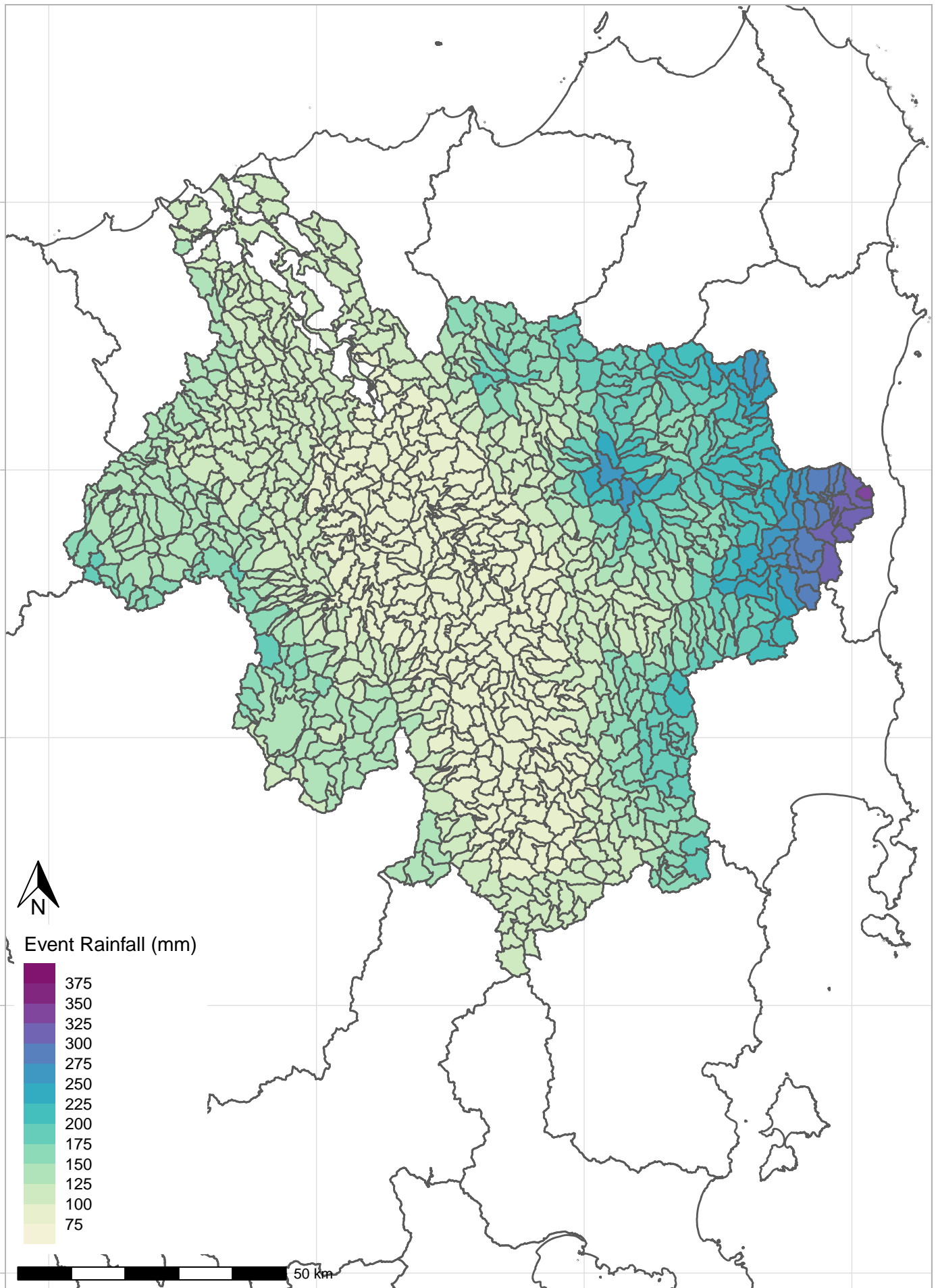


FIGURE A3
DESIGN RAINFALL DEPTHS
1440MIN 0.5%AEP

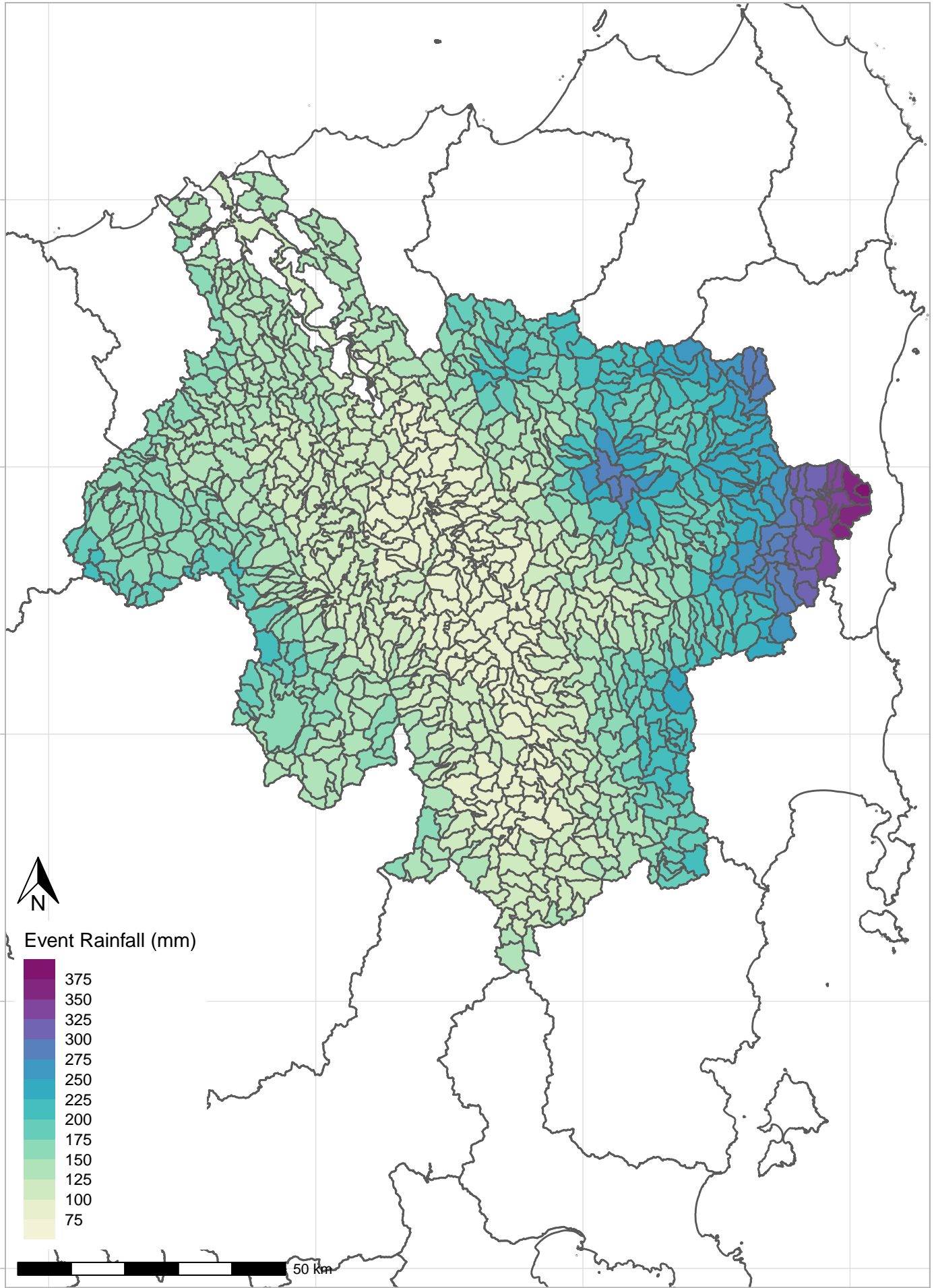
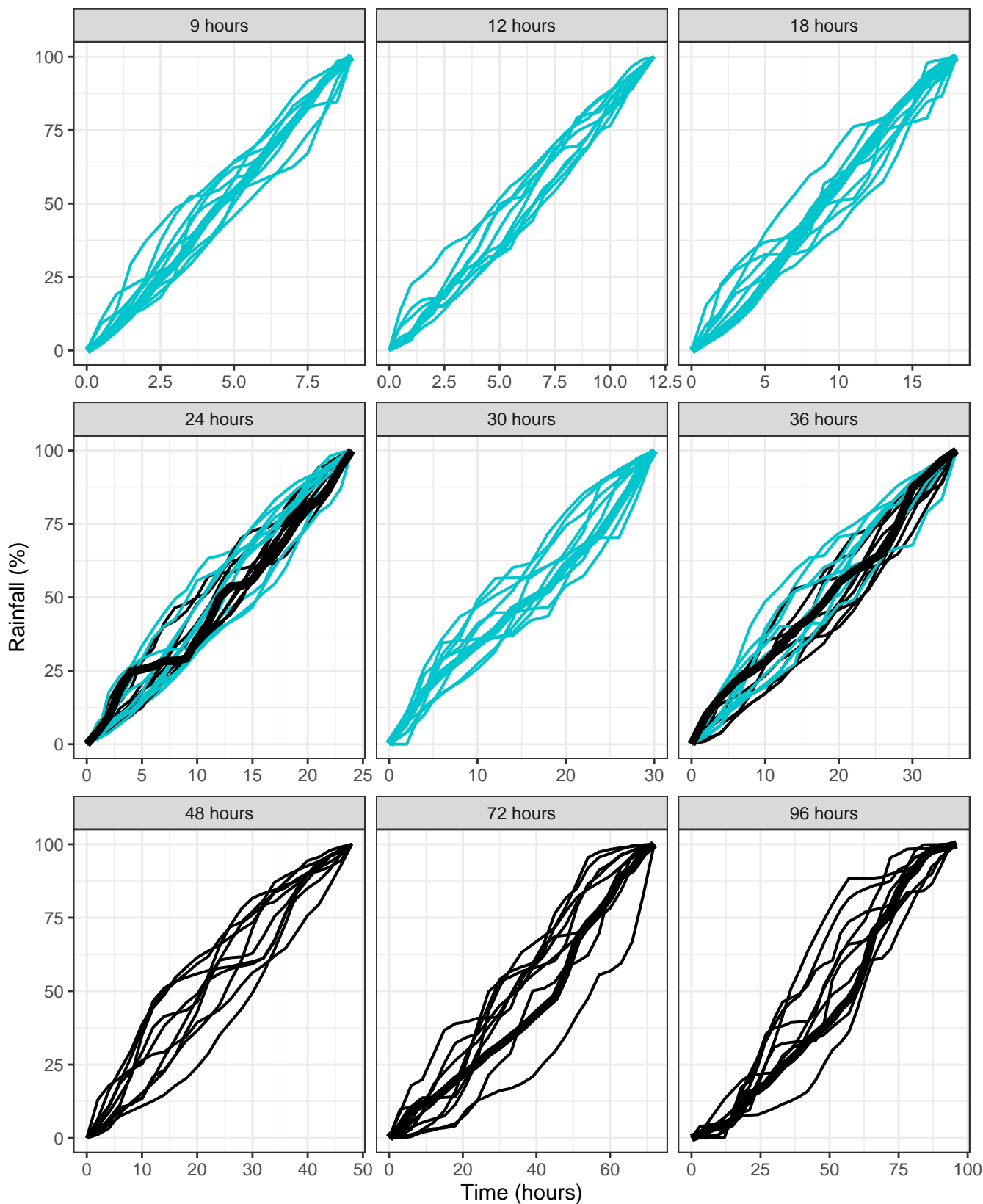


FIGURE A4
DESIGN TEMPORAL PATTERNS
DURATIONS FROM 9 TO 96 HOURS

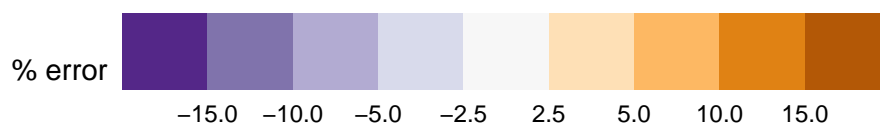
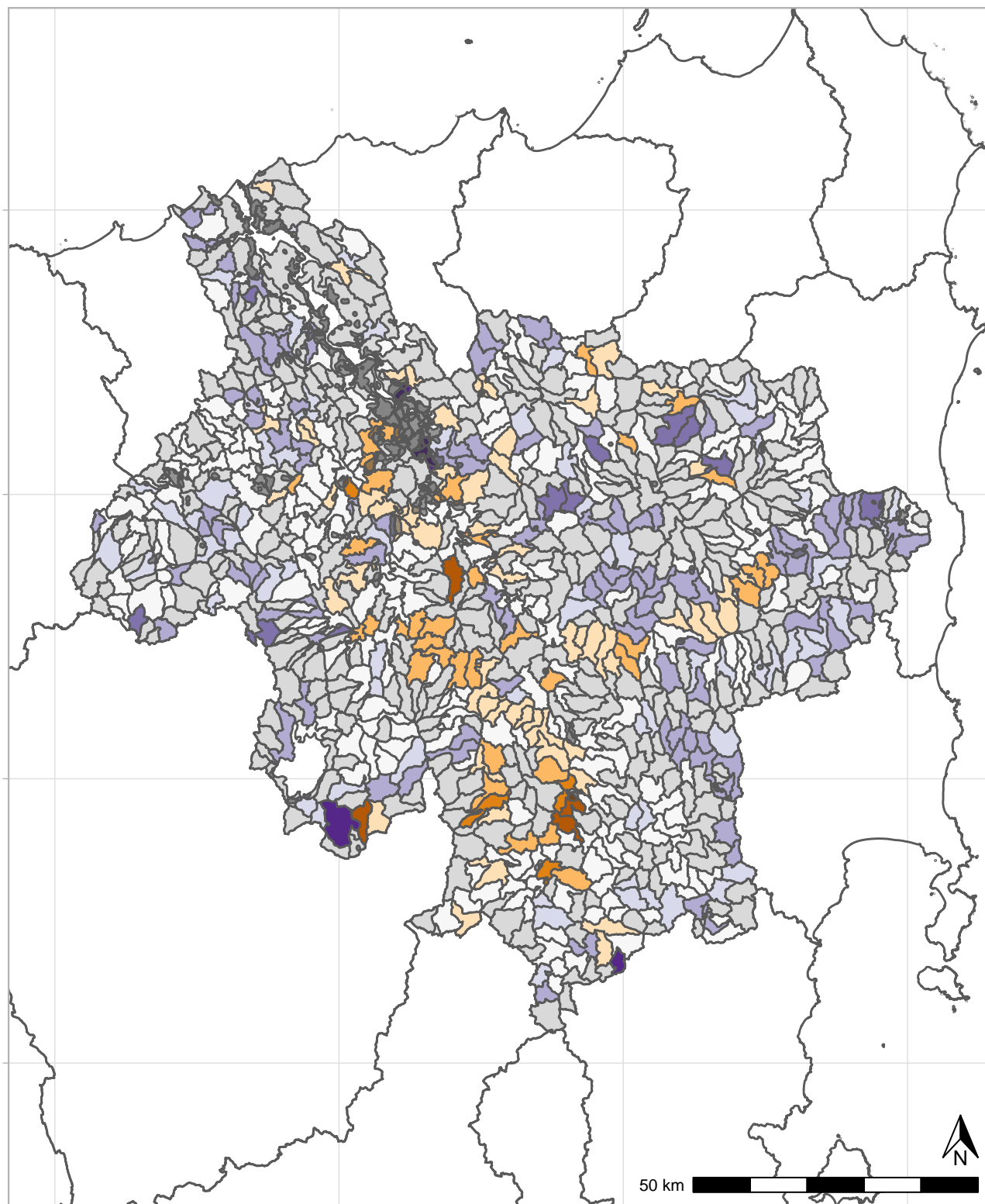


TP Type **Selected.ATP** **Selected.PTP** Design TPs.ATP Design TPs.PTP



APPENDIX B. DESIGN PEAK ERRORS

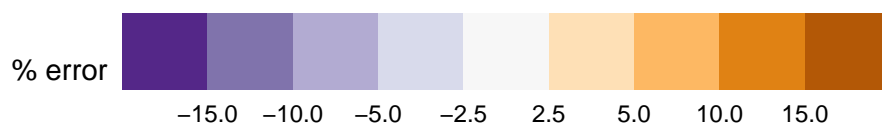
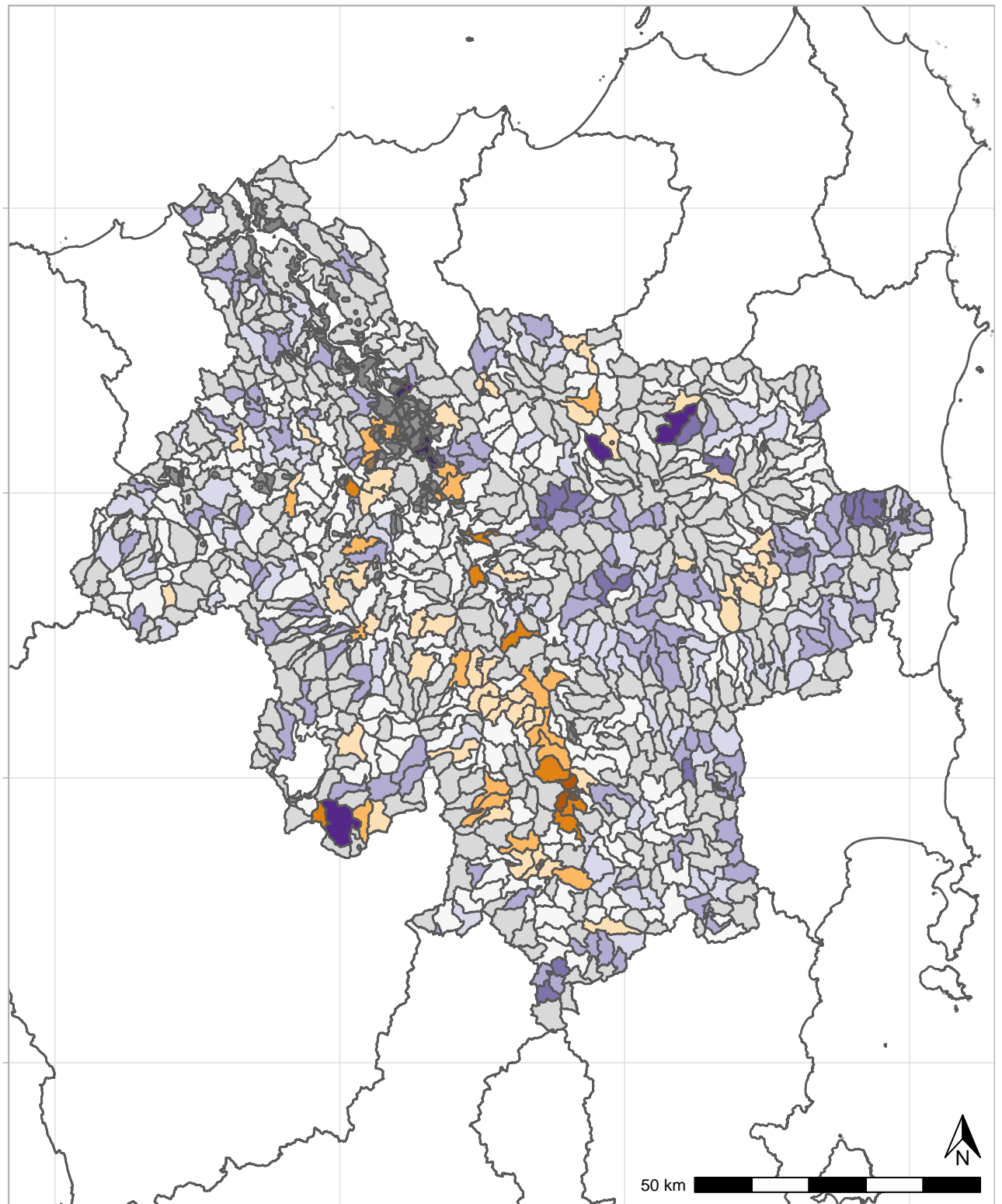
Figure B1
Tamar_Esk_Combined Catchment
Percentage error in peak flows using selected runs
2%AEP



HSA

Headwater

Figure B2
Tamar_Esk_Combined Catchment
Percentage error in peak flows using selected runs
1%AEP

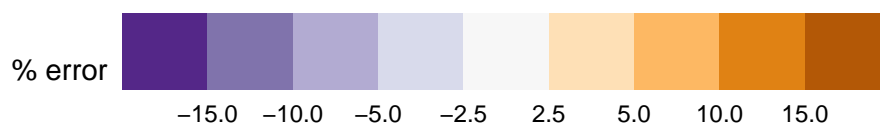
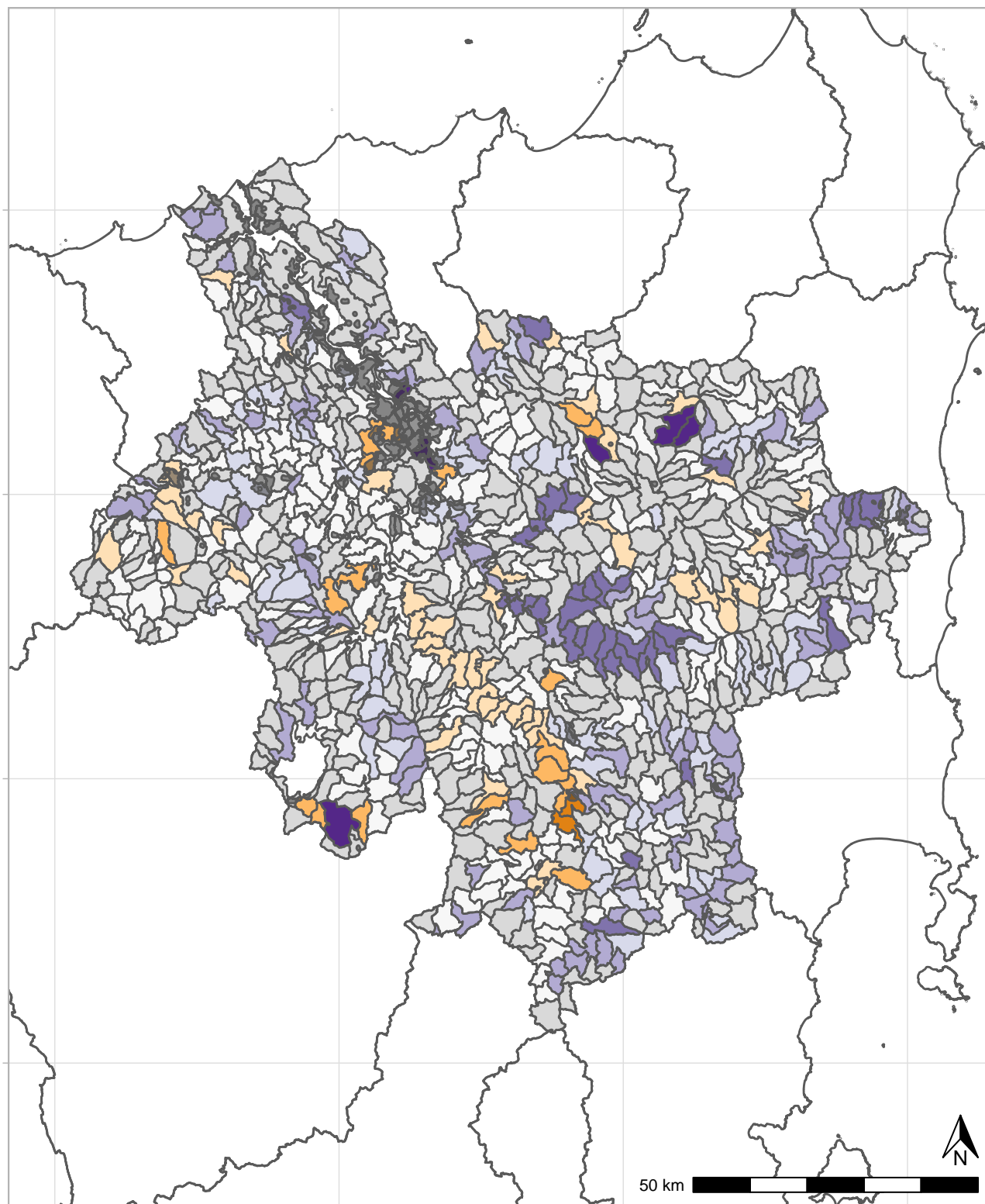


HSA




Headwater

Figure B3
Tamar_Esk_Combined Catchment
Percentage error in peak flows using selected runs
0.5% AEP



 HSA

 Headwater