



CAMDEN COUNCIL
PUBLIC EXHIBITION
DOCUMENT 2022

REVIEW OF UPPER SOUTH
CREEK FLOOD STUDY IN THE
CONTEXT OF ONGOING
DEVELOPMENT:
APPENDIX C – FLOOD
MAPPING

(Draft Report)

FIGURE C1a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
50% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

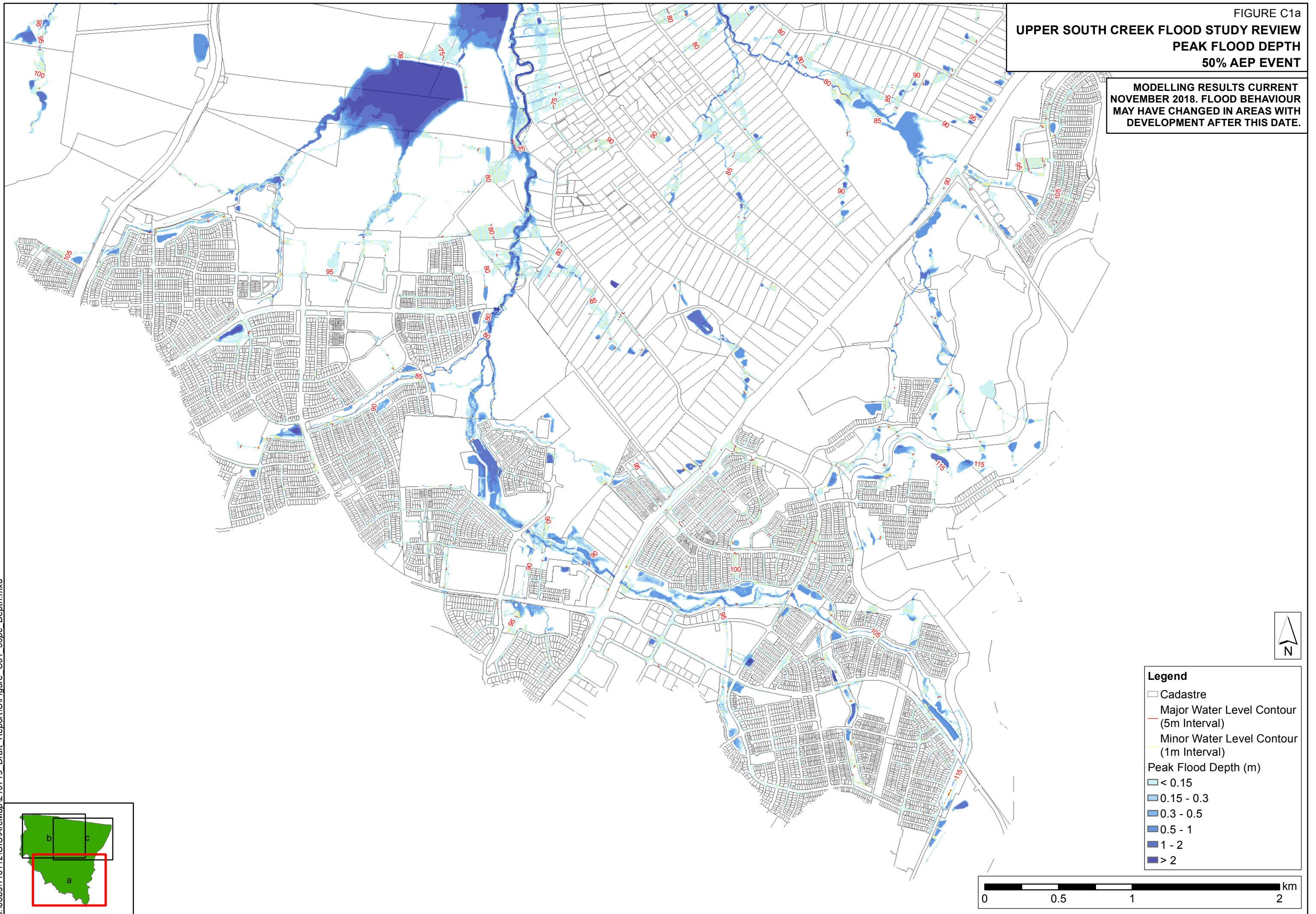
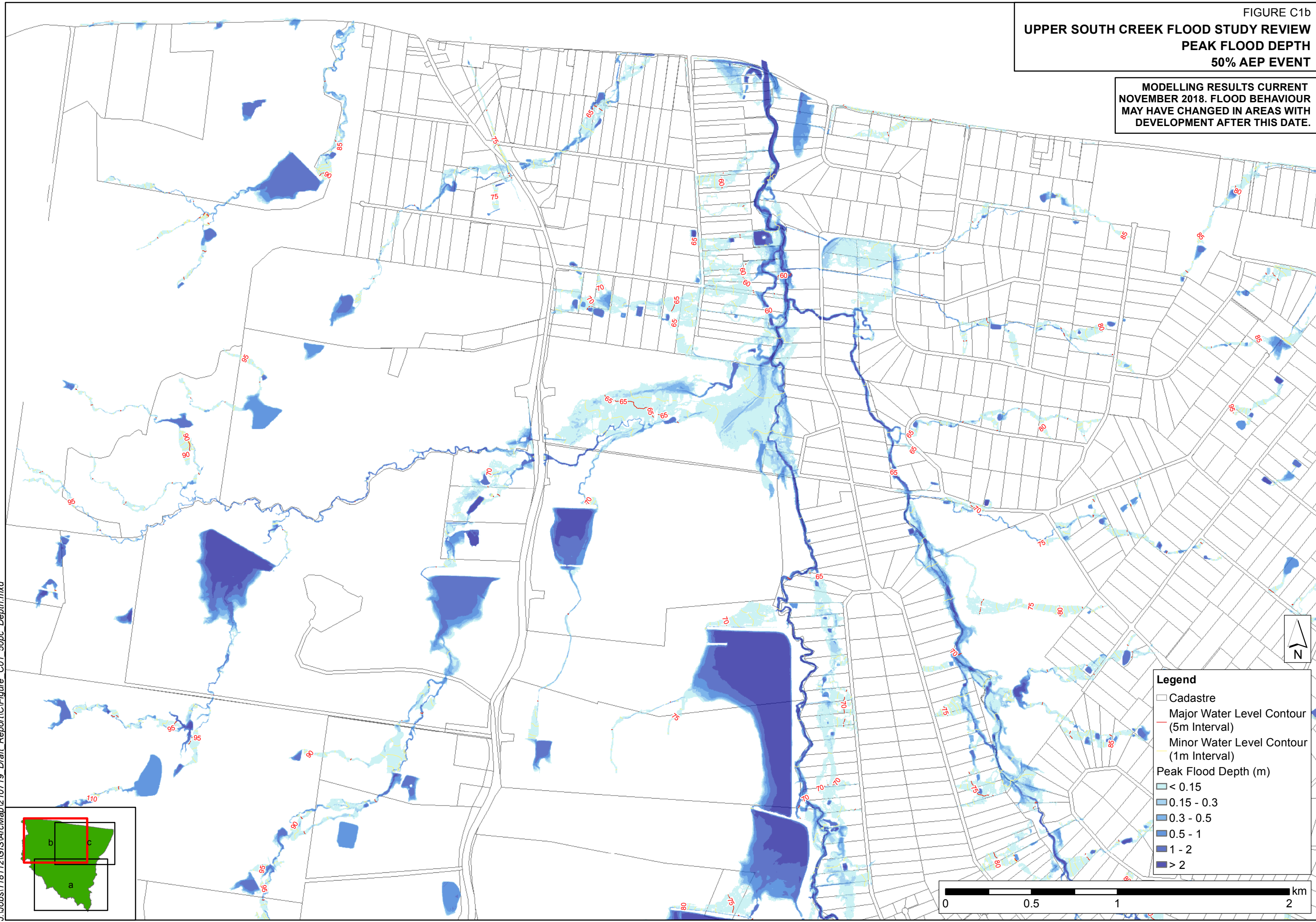
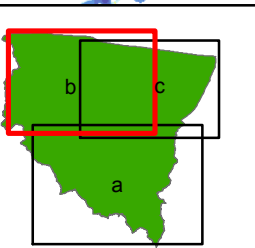


FIGURE C1b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
50% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C01_50pc_Depth.mxd



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2

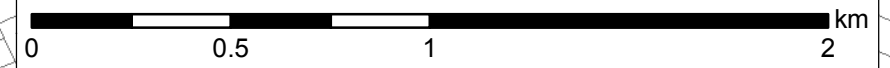
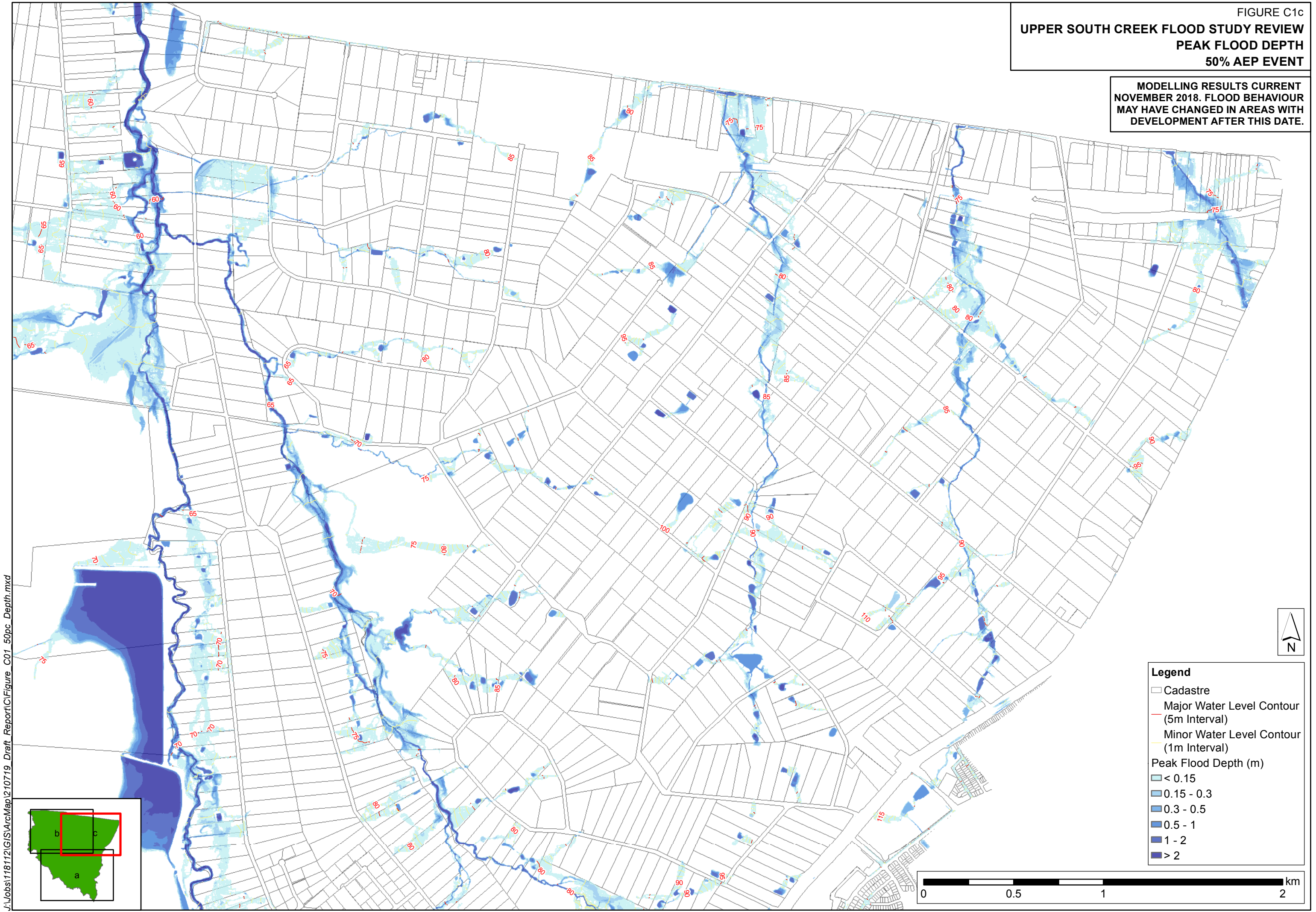
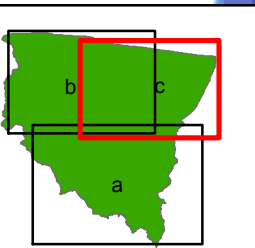


FIGURE C1c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
50% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C01_50pc_Depth.mxd



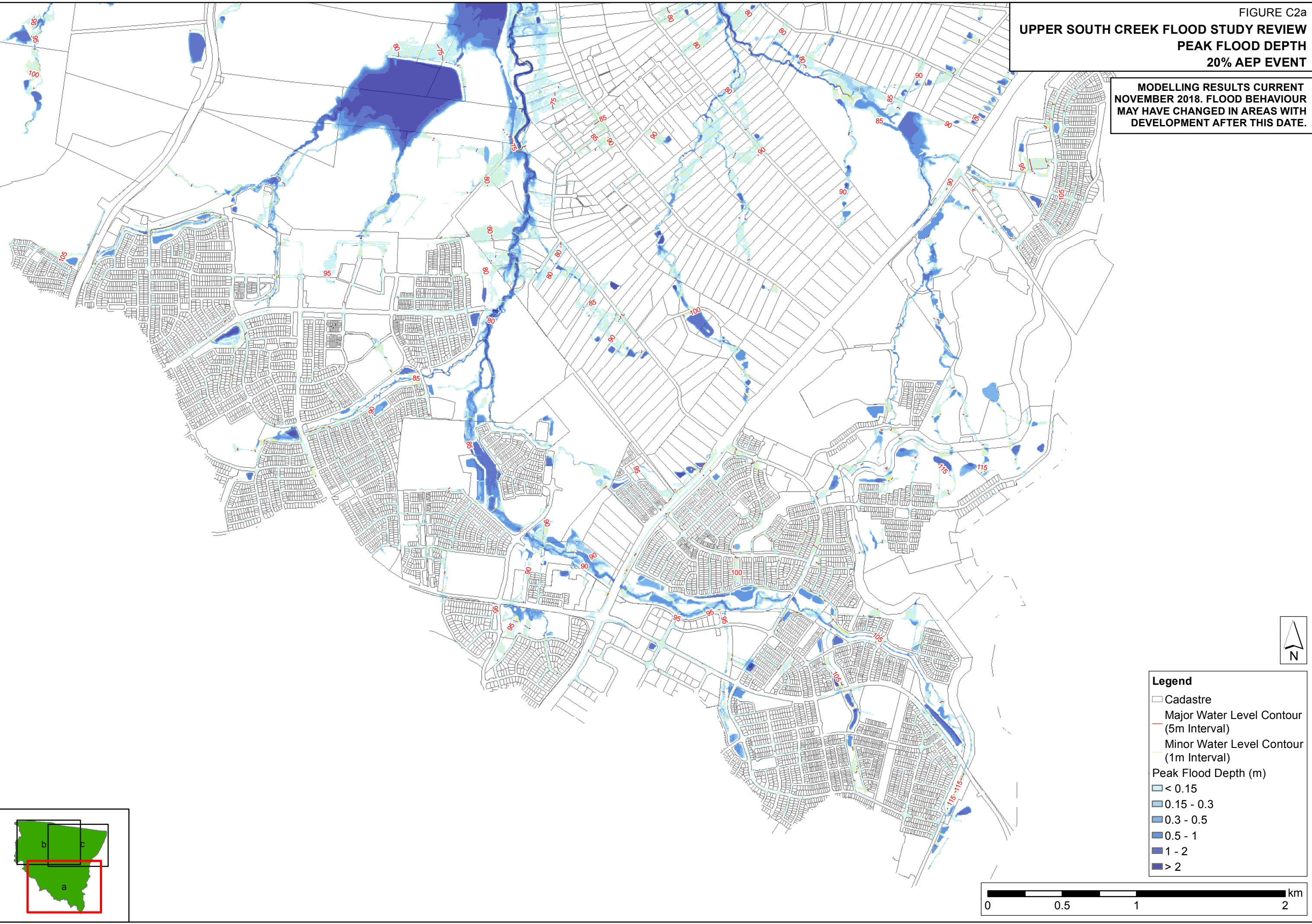
Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

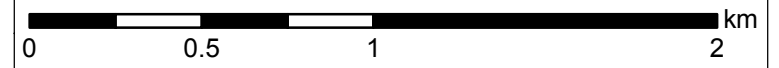


FIGURE C2a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
20% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Major Water Level Contour (5m Interval)
 - Minor Water Level Contour (1m Interval)
 - Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C02_20pc_Depth.mxd

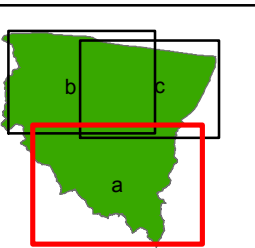
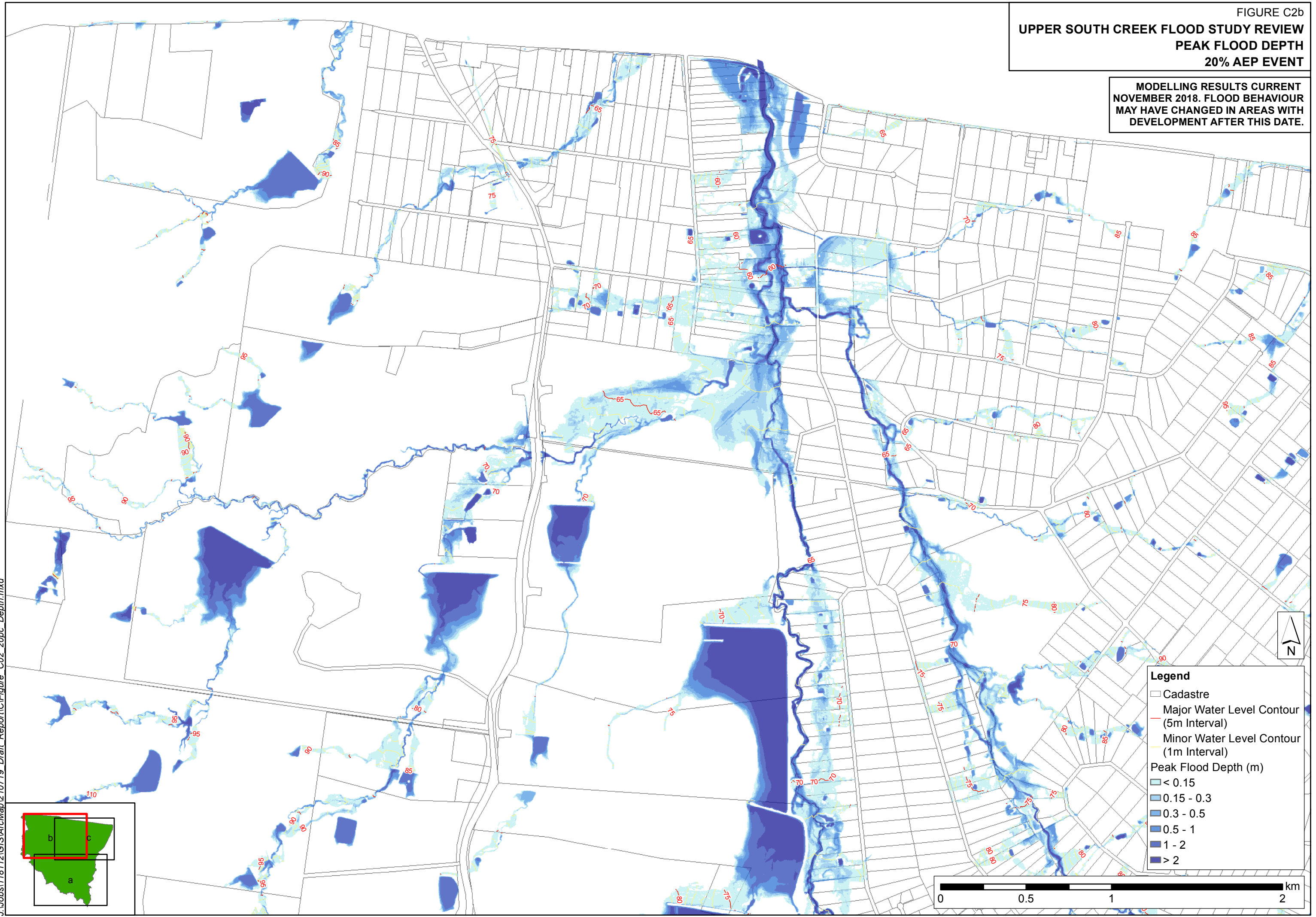


FIGURE C2b
 UPPER SOUTH CREEK FLOOD STUDY REVIEW
 PEAK FLOOD DEPTH
 20% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.

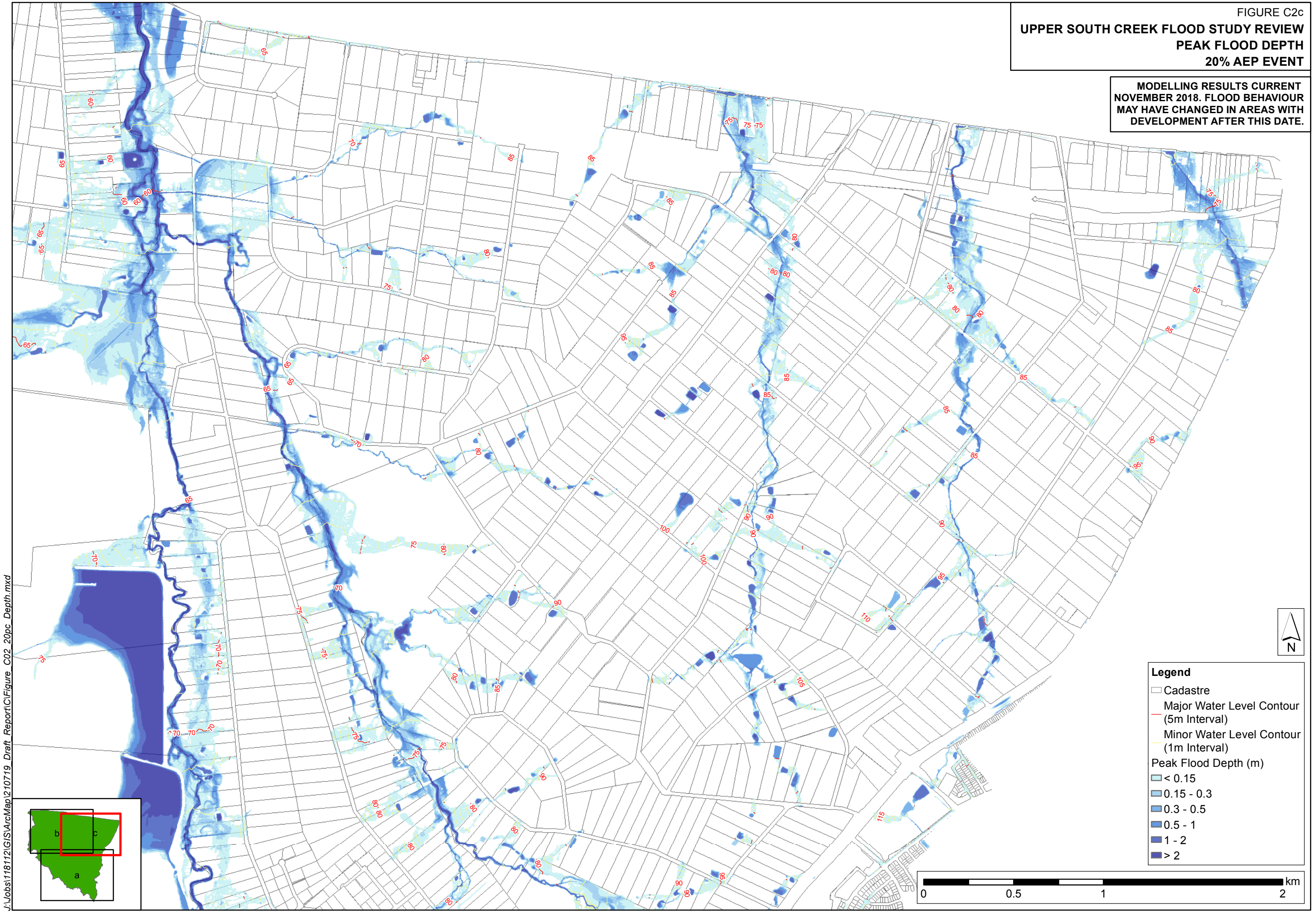


Legend

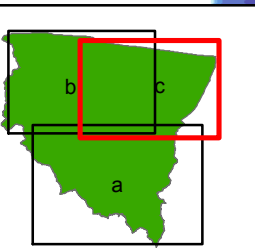
- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2

FIGURE C2c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
20% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C02_20pc_Depth.mxd



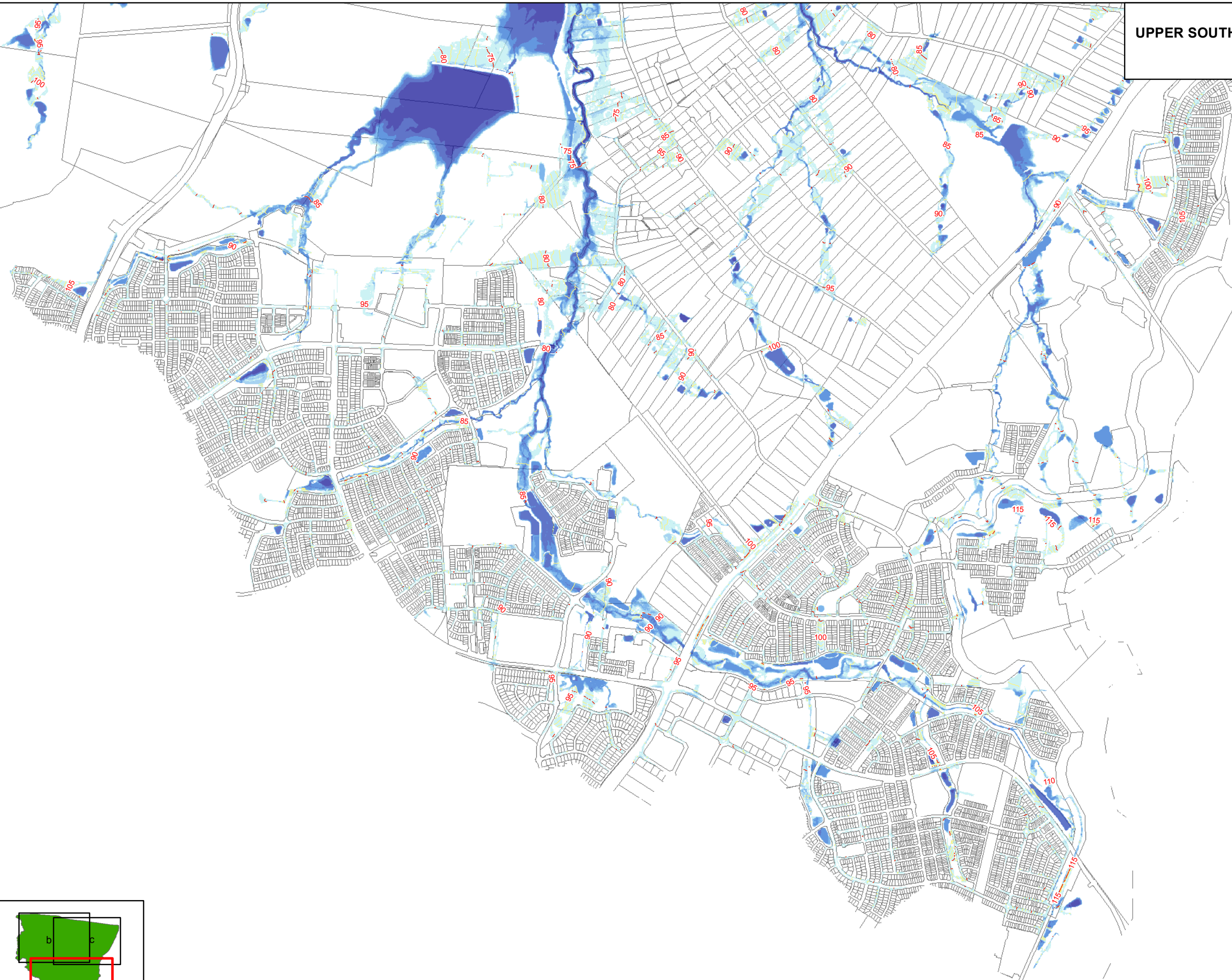
Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

0 0.5 1 2 km

**UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
10% AEP EVENT**

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastral
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\Figure_C03_10pc_Depth.mxd

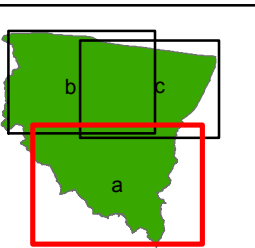
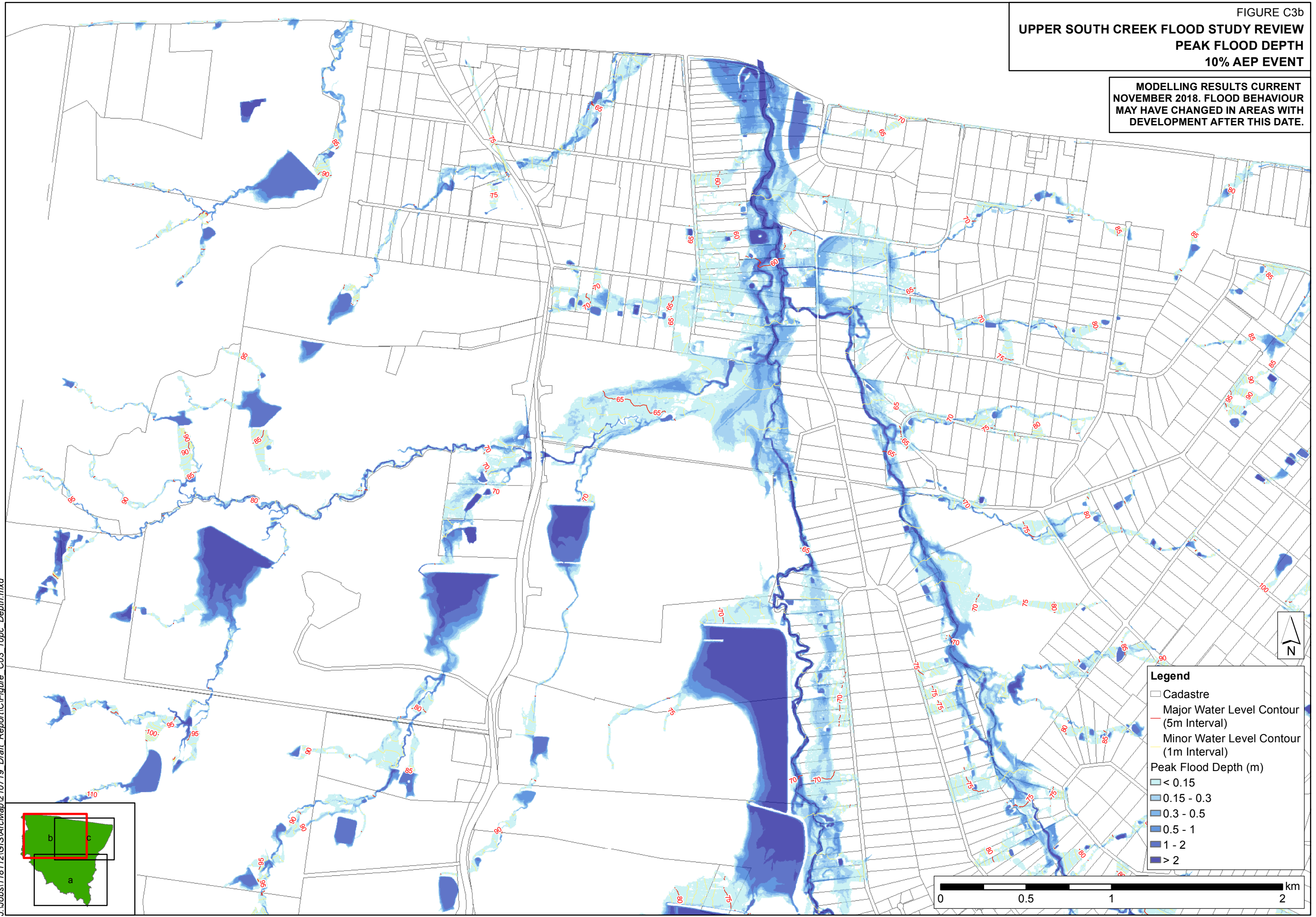


FIGURE C3b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
10% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C03_10pc_Depth.mxd

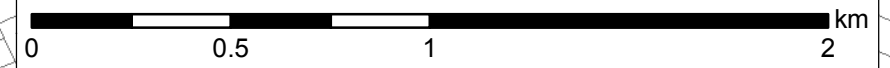
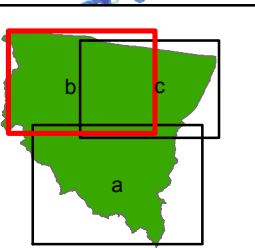
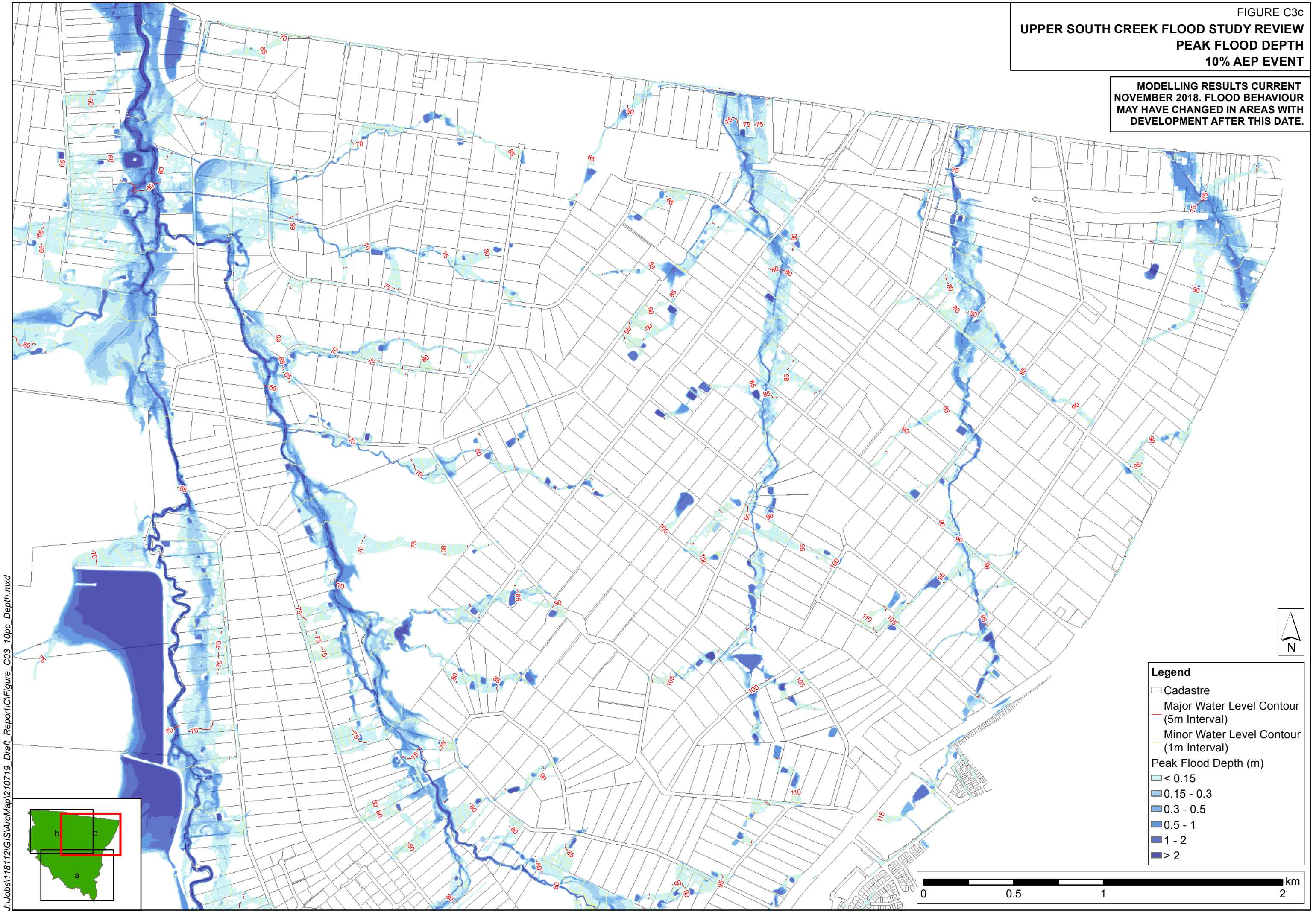
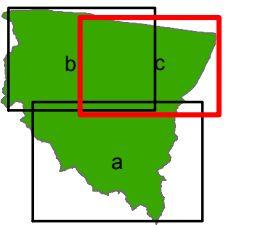


FIGURE C3c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
10% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C03_10pc_Depth.mxd

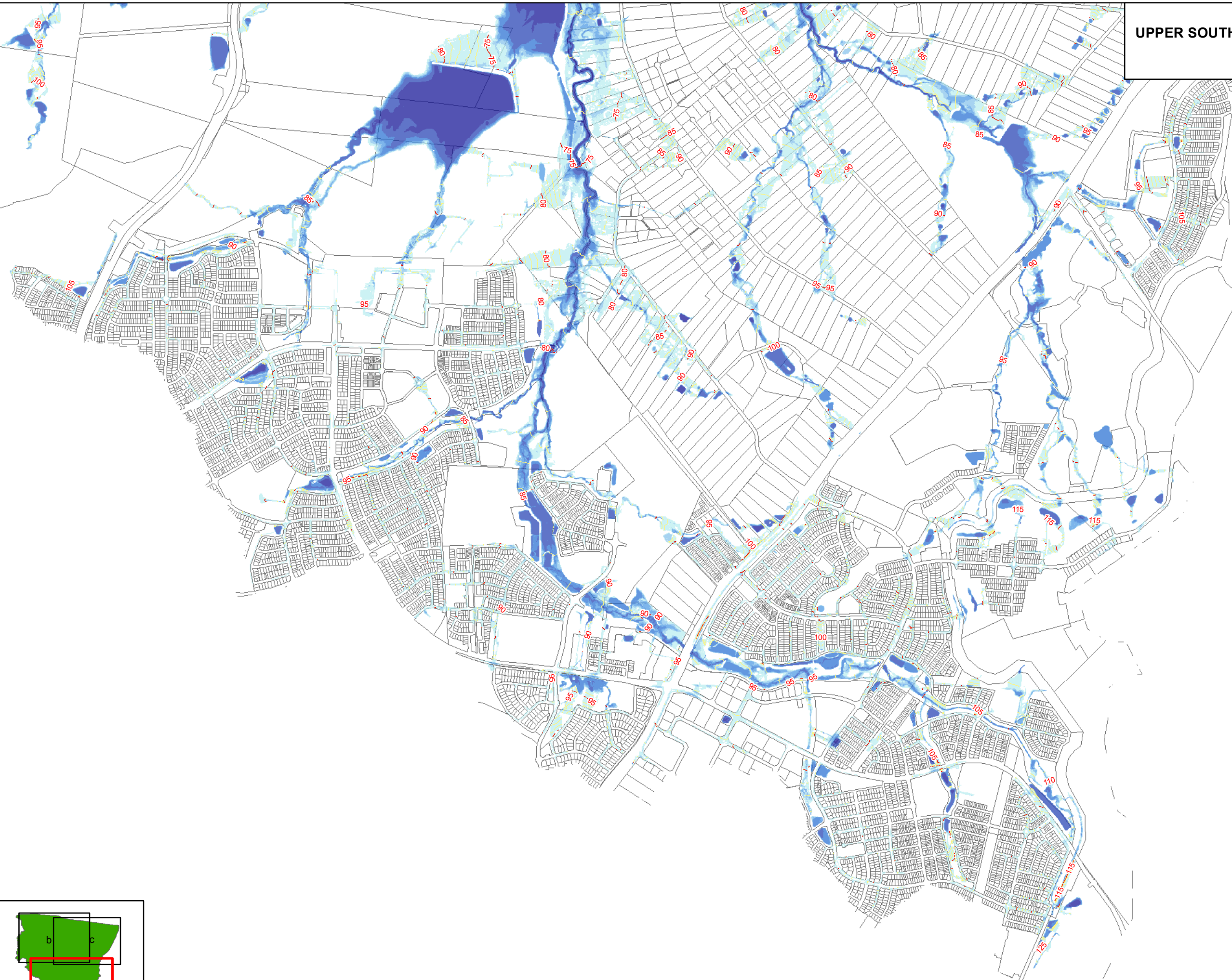


Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

FIGURE C4a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Major Water Level Contour (5m Interval)
 - Minor Water Level Contour (1m Interval)
 - Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C04_05pc_Depth.mxd

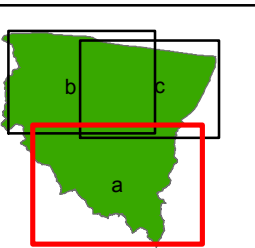
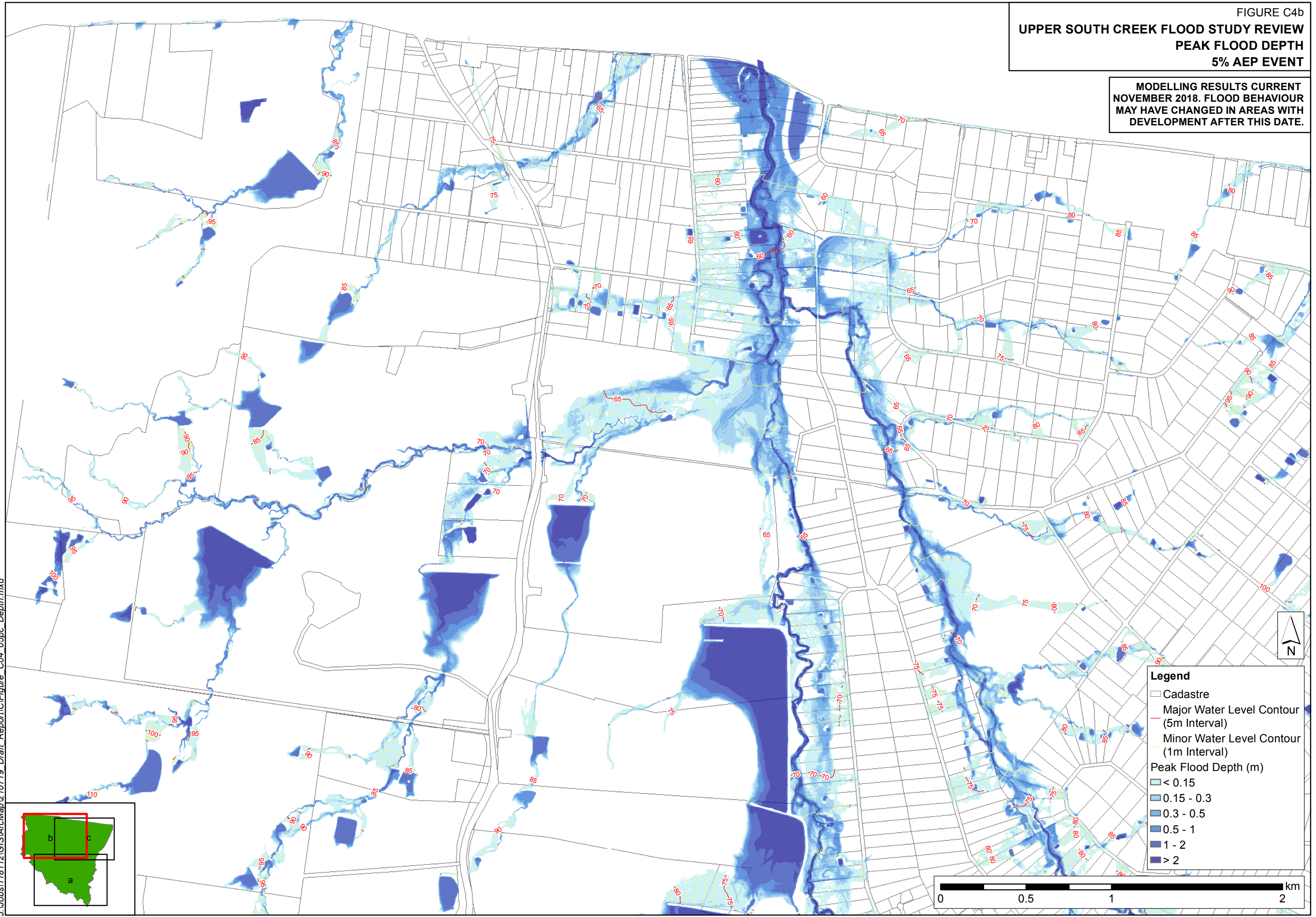


FIGURE C4b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2

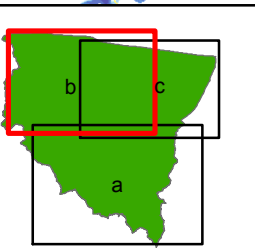
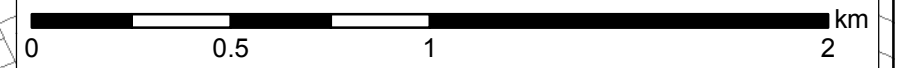
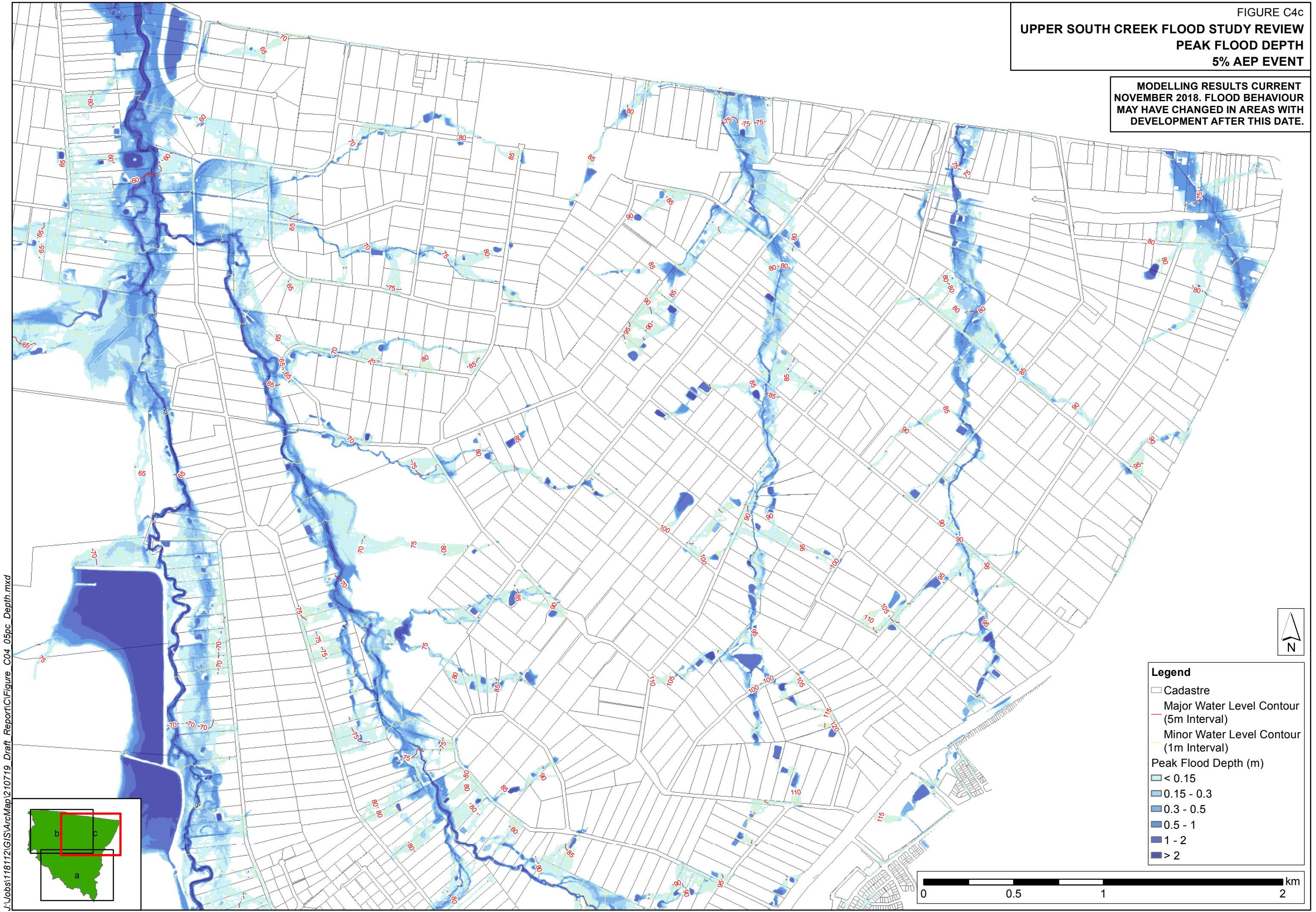
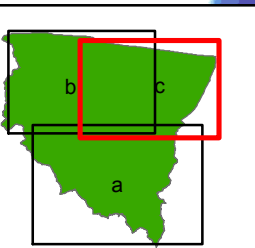


FIGURE C4c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C04_05pc_Depth.mxd



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

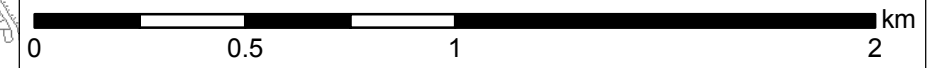
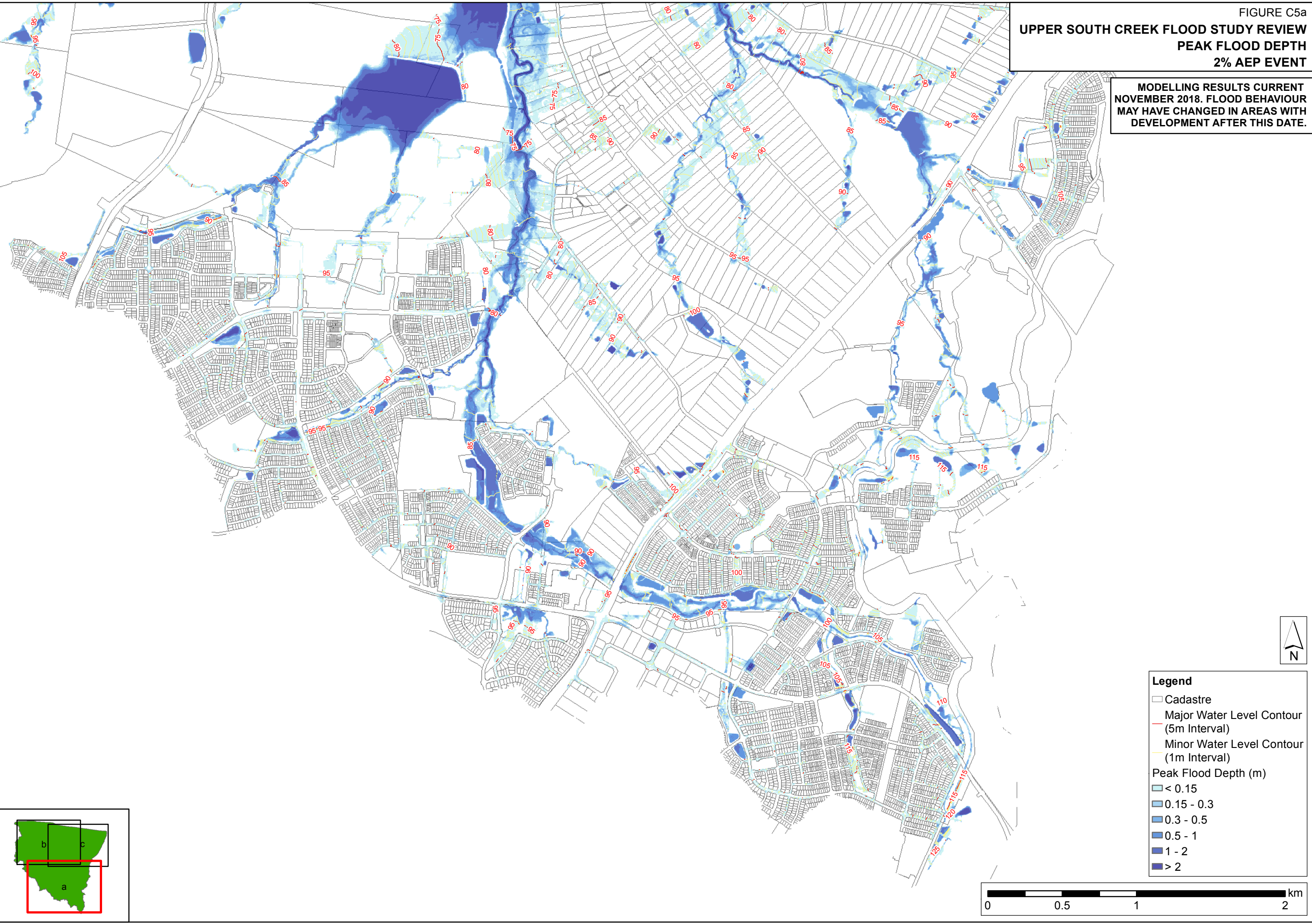


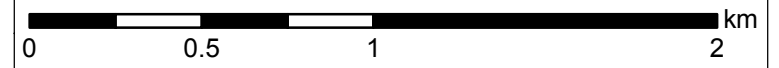
FIGURE C5a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C05_02pc_Depth.mxd

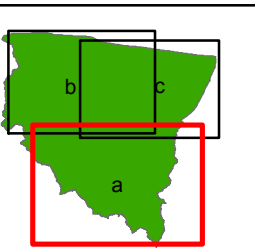
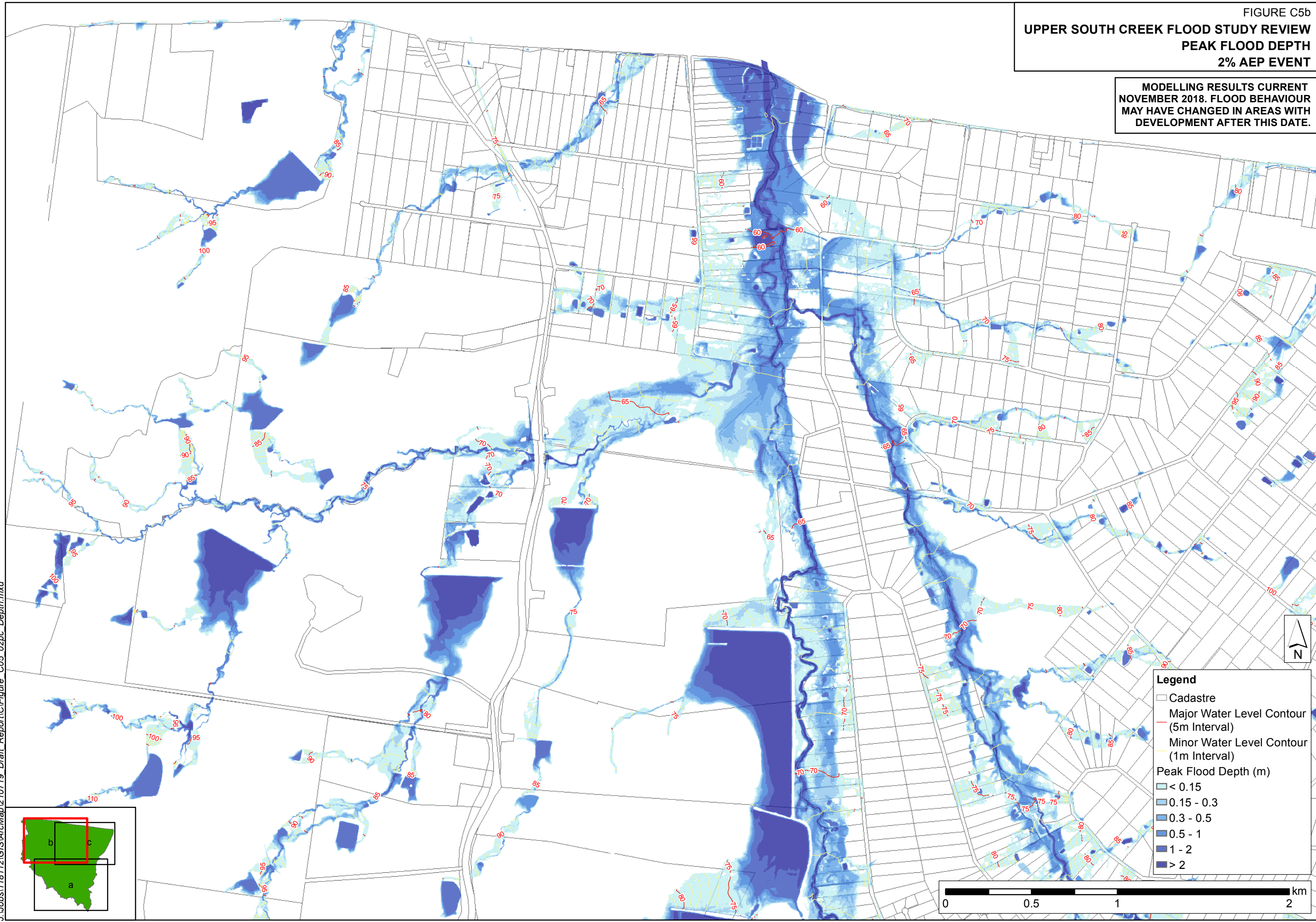


FIGURE C5b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

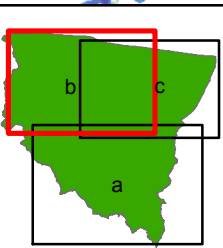
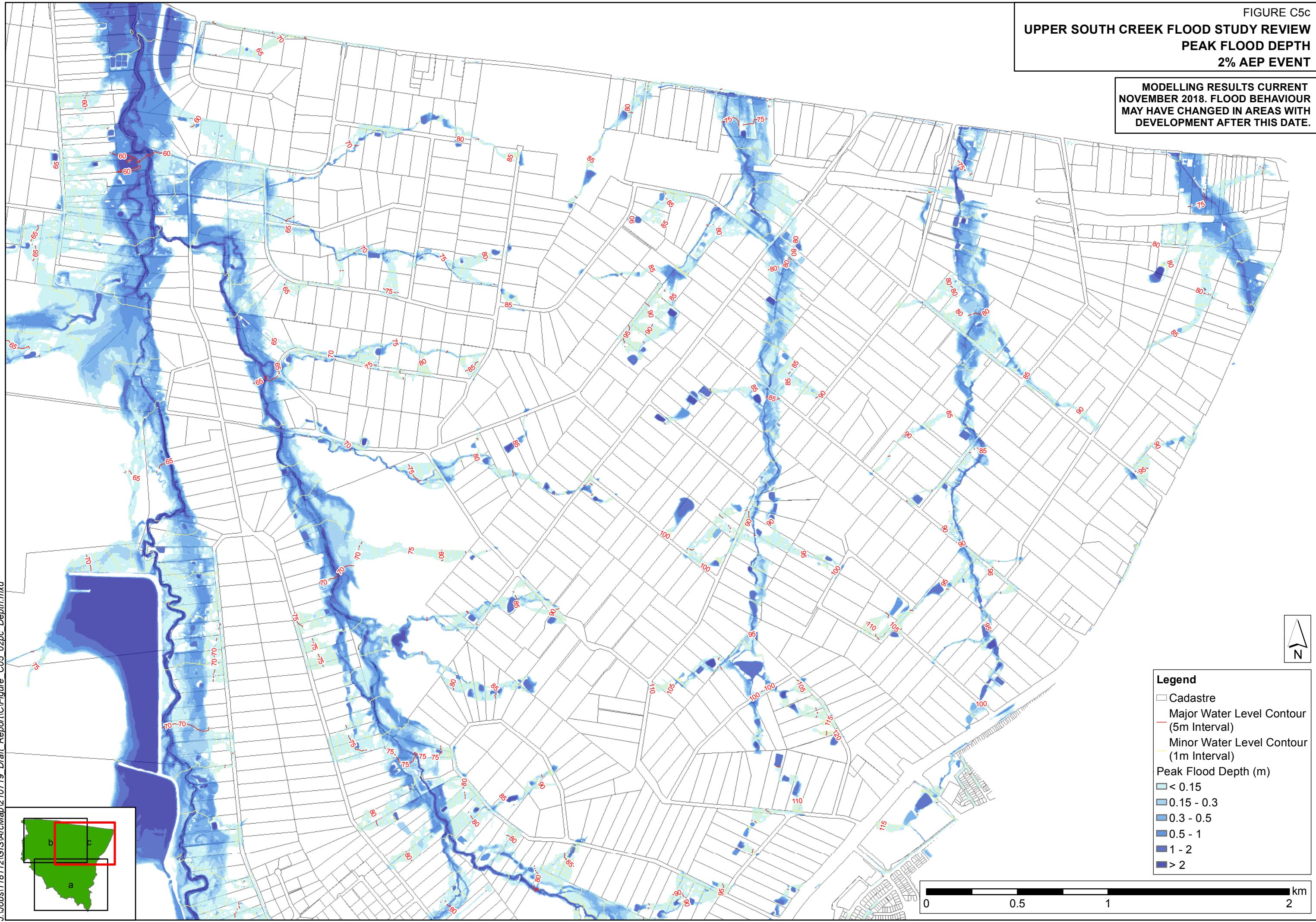


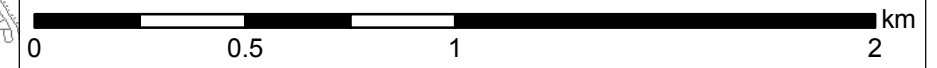
FIGURE C5c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

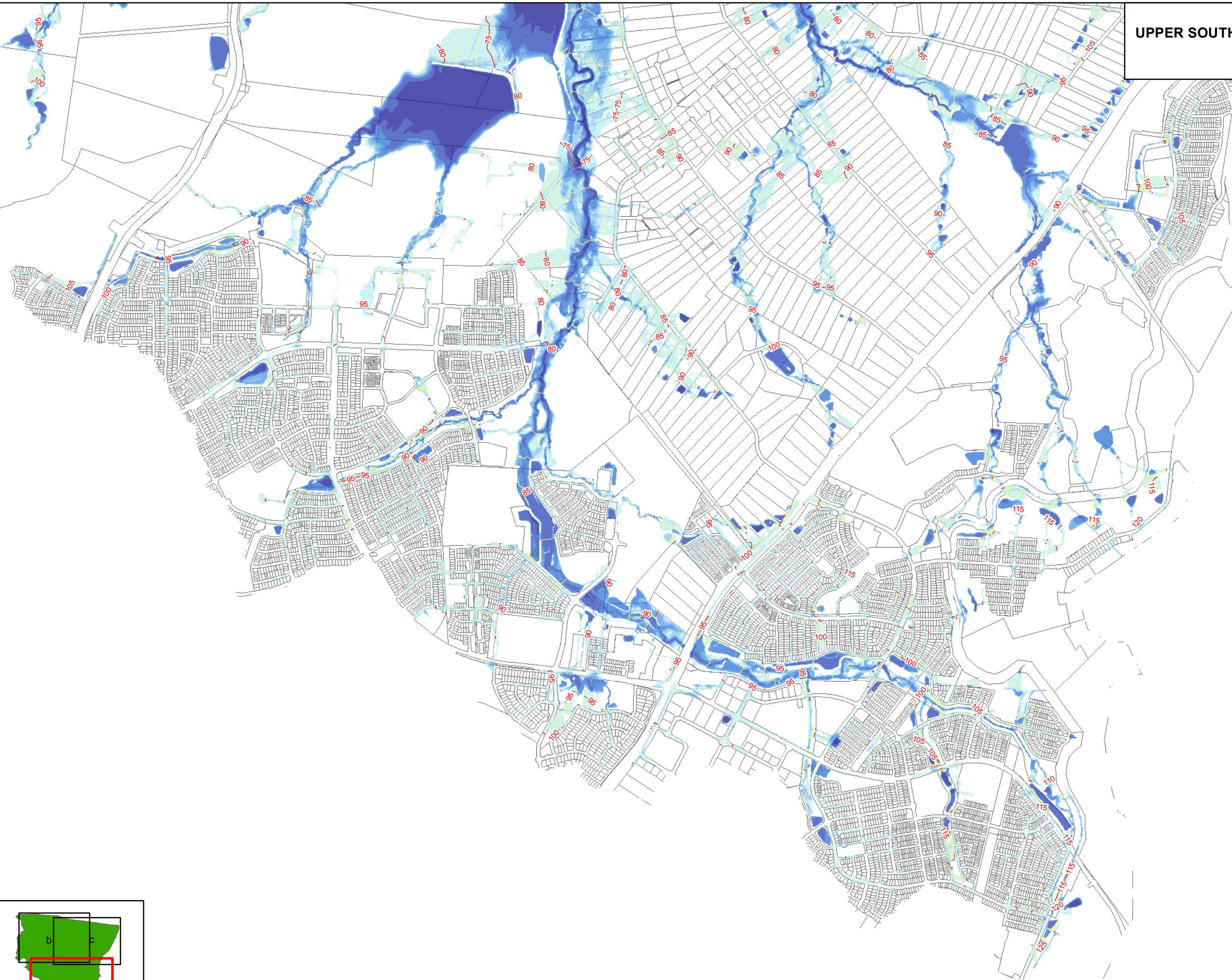
- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2



J:\Jobs\118112\GIS\ArcMap\Map2\10719 Draft_Report\C\Figure_C05_02pc_Depth.mxd

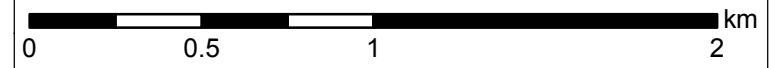
FIGURE C6a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
1% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C06_01pc_Depth.mxd

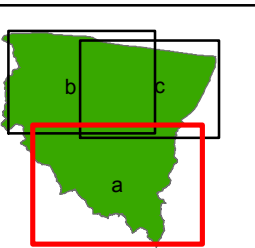
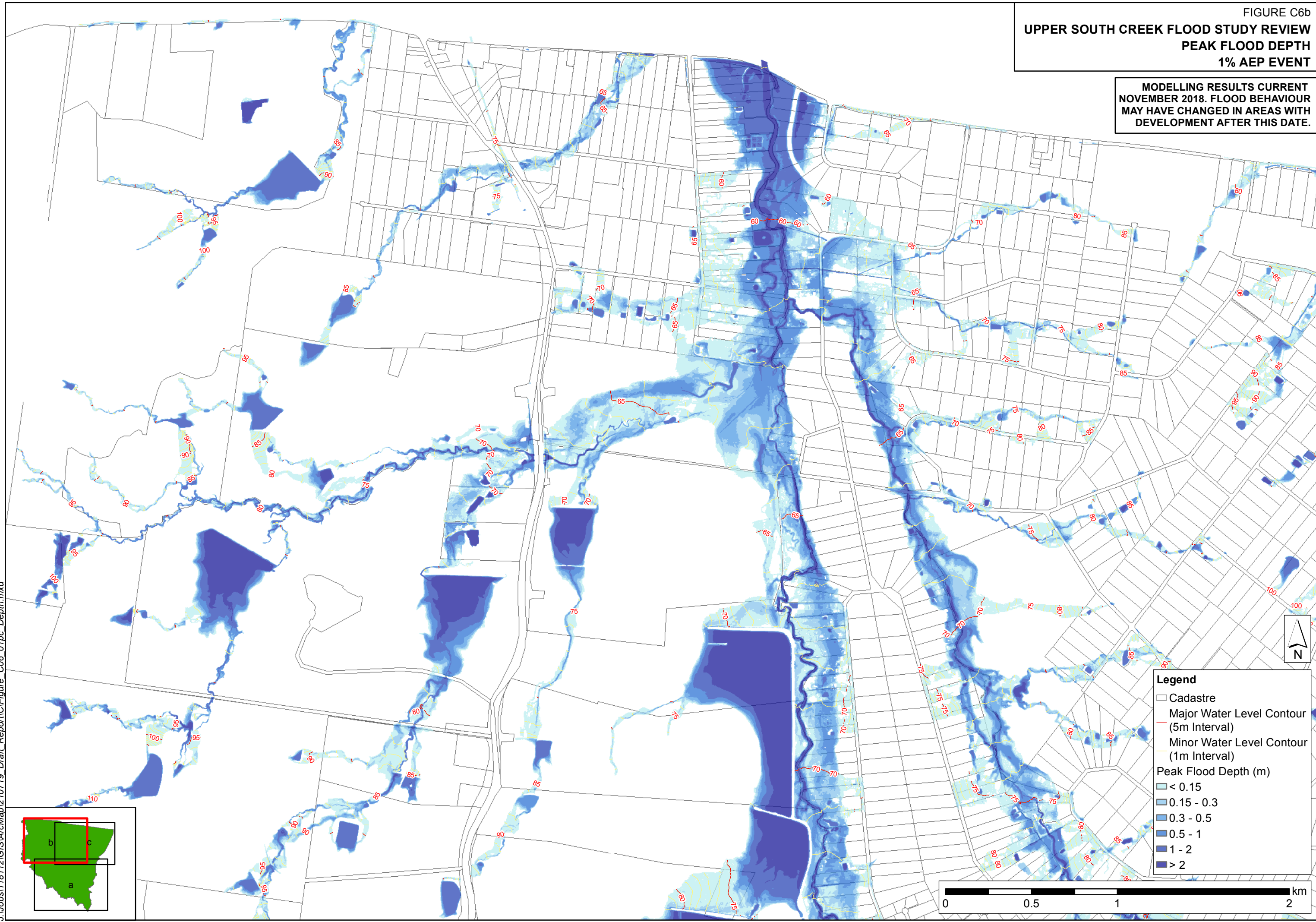


FIGURE C6b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
1% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



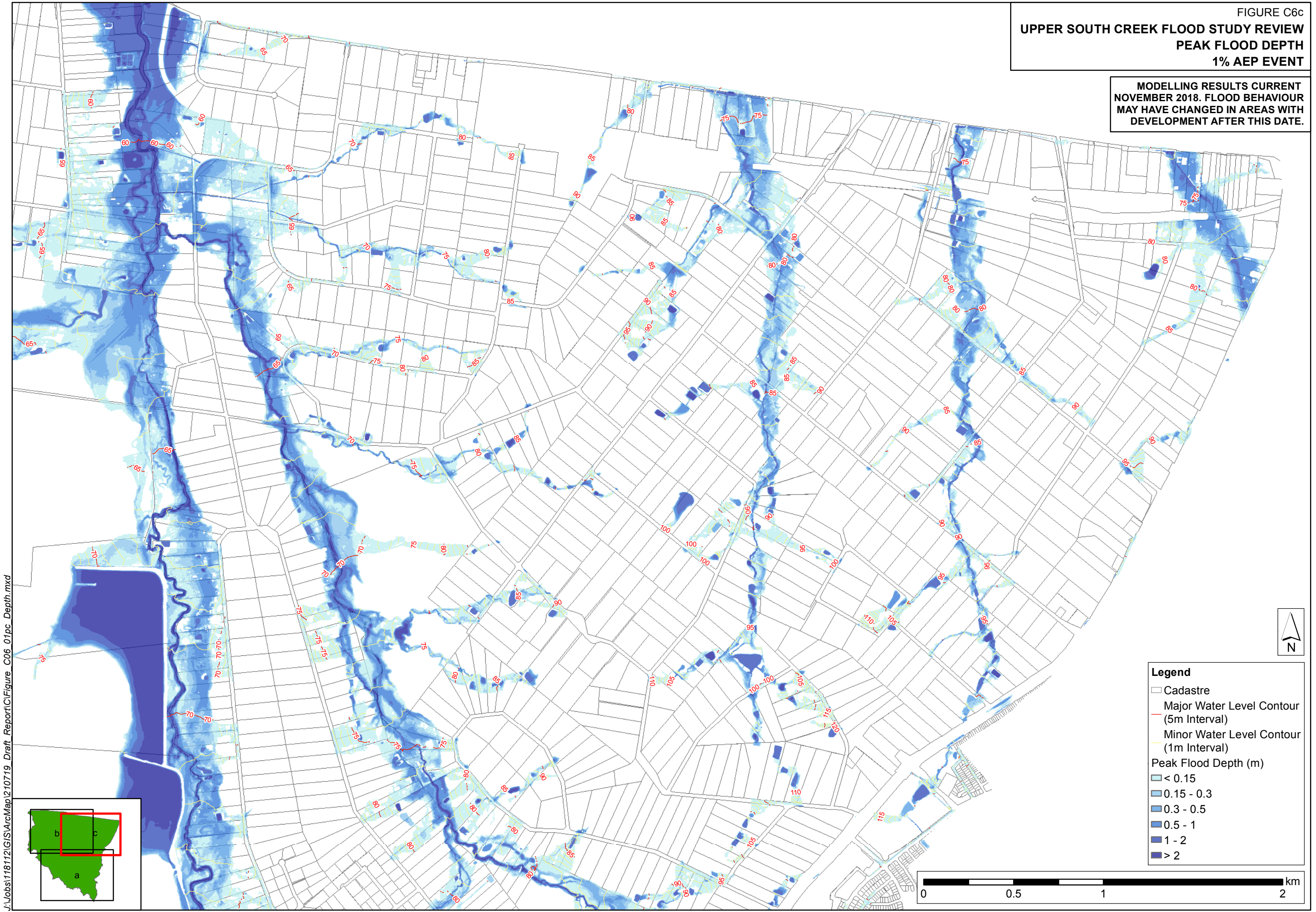
Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2

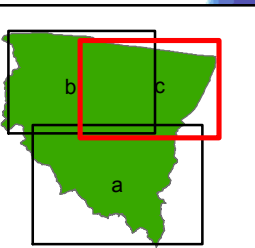
J:\Jobs\118112\GIS\ArcMap\1210719 Draft_Report\C\Figure_C06_01pc_Depth.mxd

FIGURE C6c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\Map2\10719 Draft_Report\C\Figure_C06_01pc_Depth.mxd



- Legend**
- Cadastre
 - Major Water Level Contour (5m Interval)
 - Minor Water Level Contour (1m Interval)
 - Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

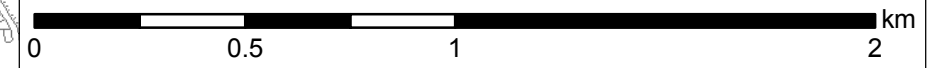
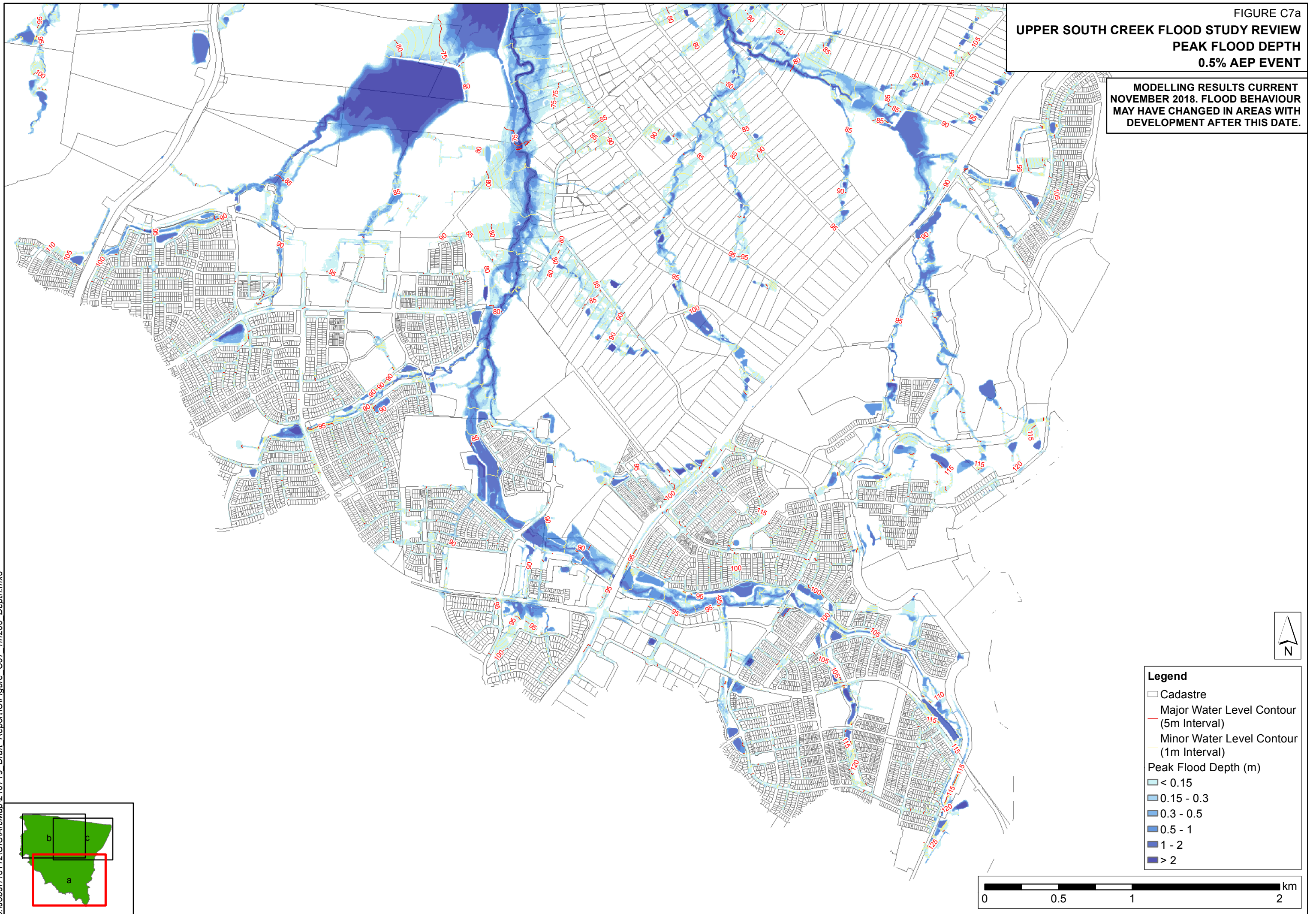


FIGURE C7a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Major Water Level Contour (5m Interval)
 - Minor Water Level Contour (1m Interval)
 - Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C07_1in200_Depth.mxd

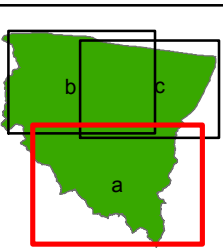
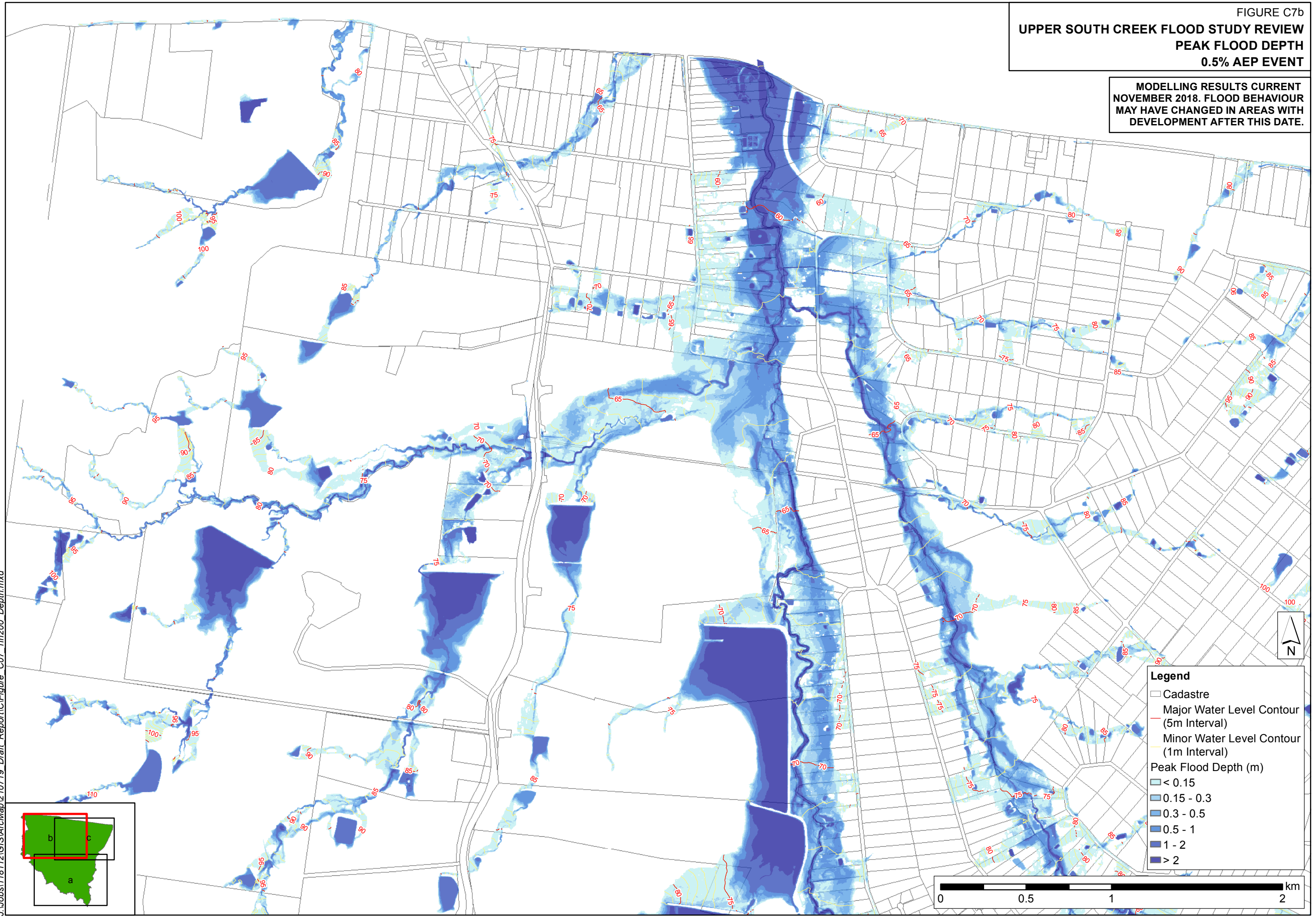


FIGURE C7b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



J:\Jobs\11812\GIS\ArcMap\210719_Draft_Report\C\Figure_C07_1in200_Depth.mxd

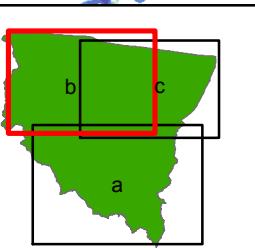
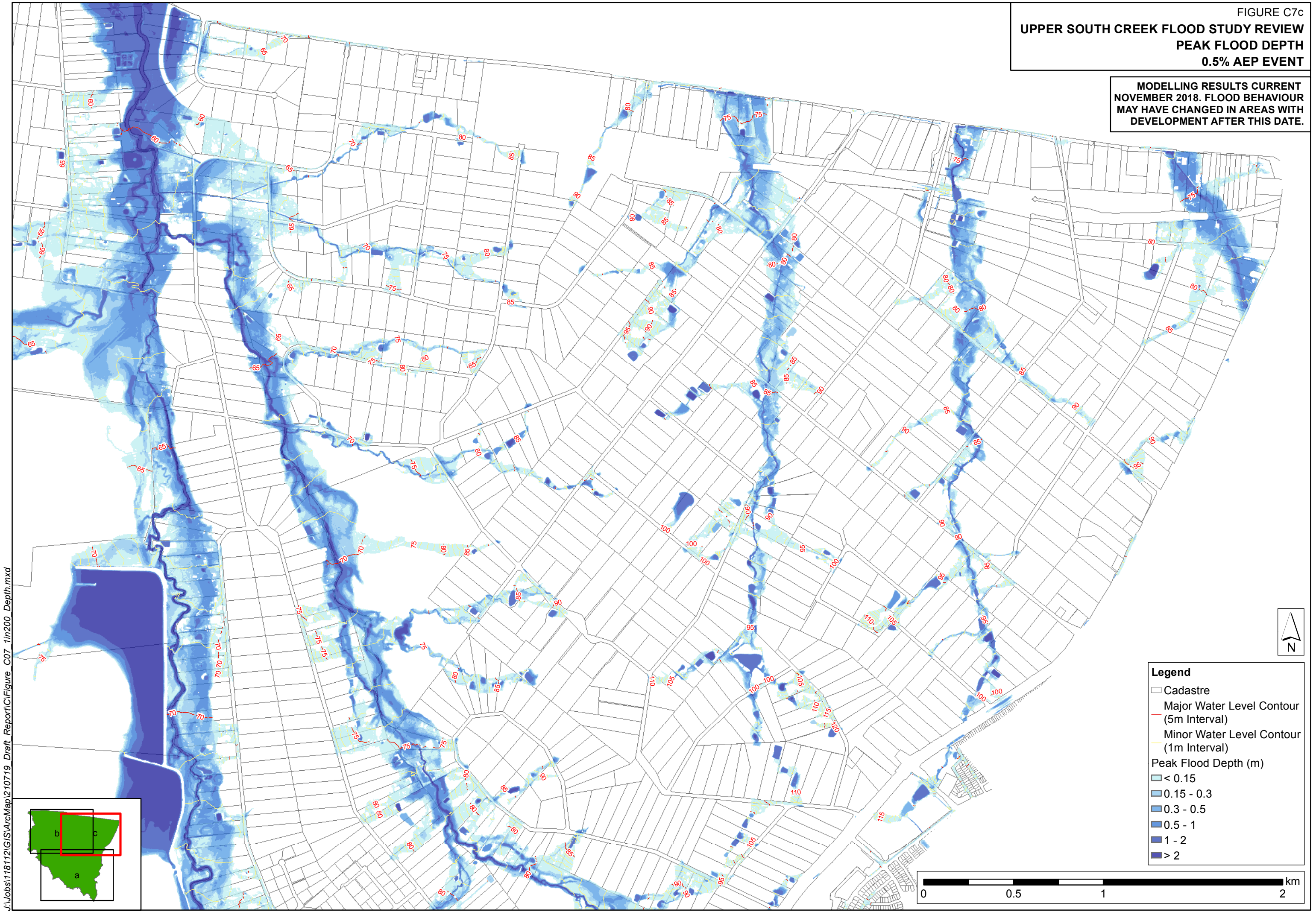
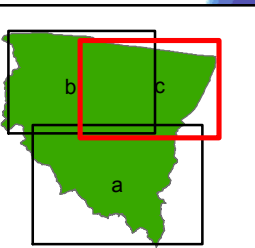


FIGURE C7c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C07_1in200_Depth.mxd



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

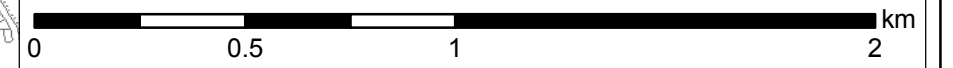
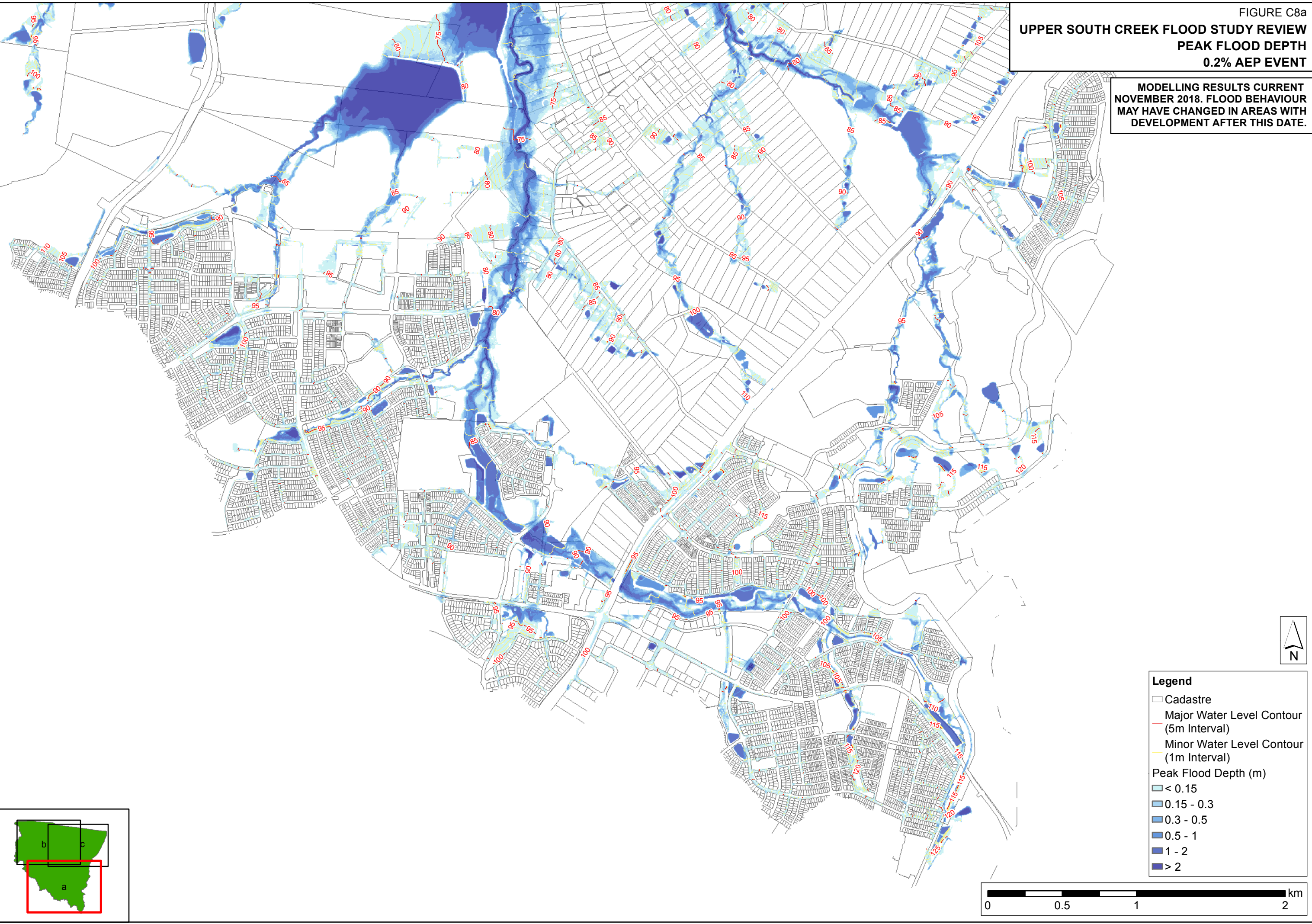


FIGURE C8a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

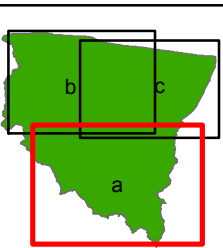
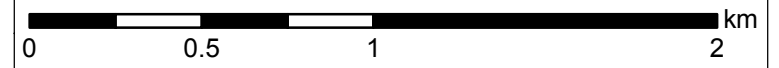
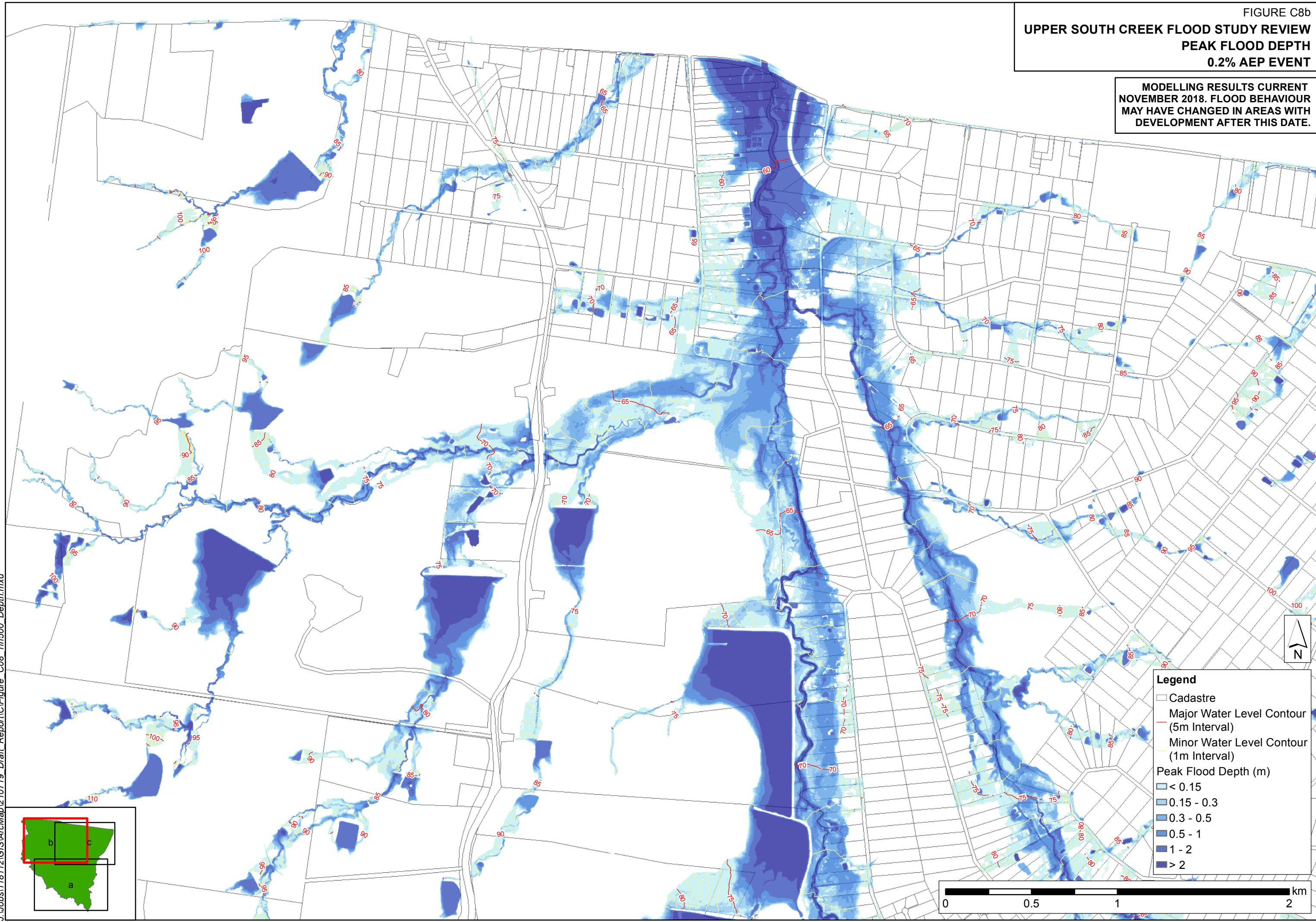


FIGURE C8b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
- < 0.15
- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- > 2



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C08_1in500_Depth.mxd

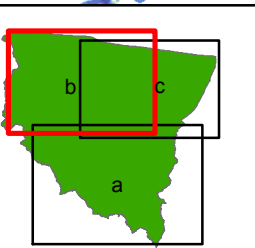
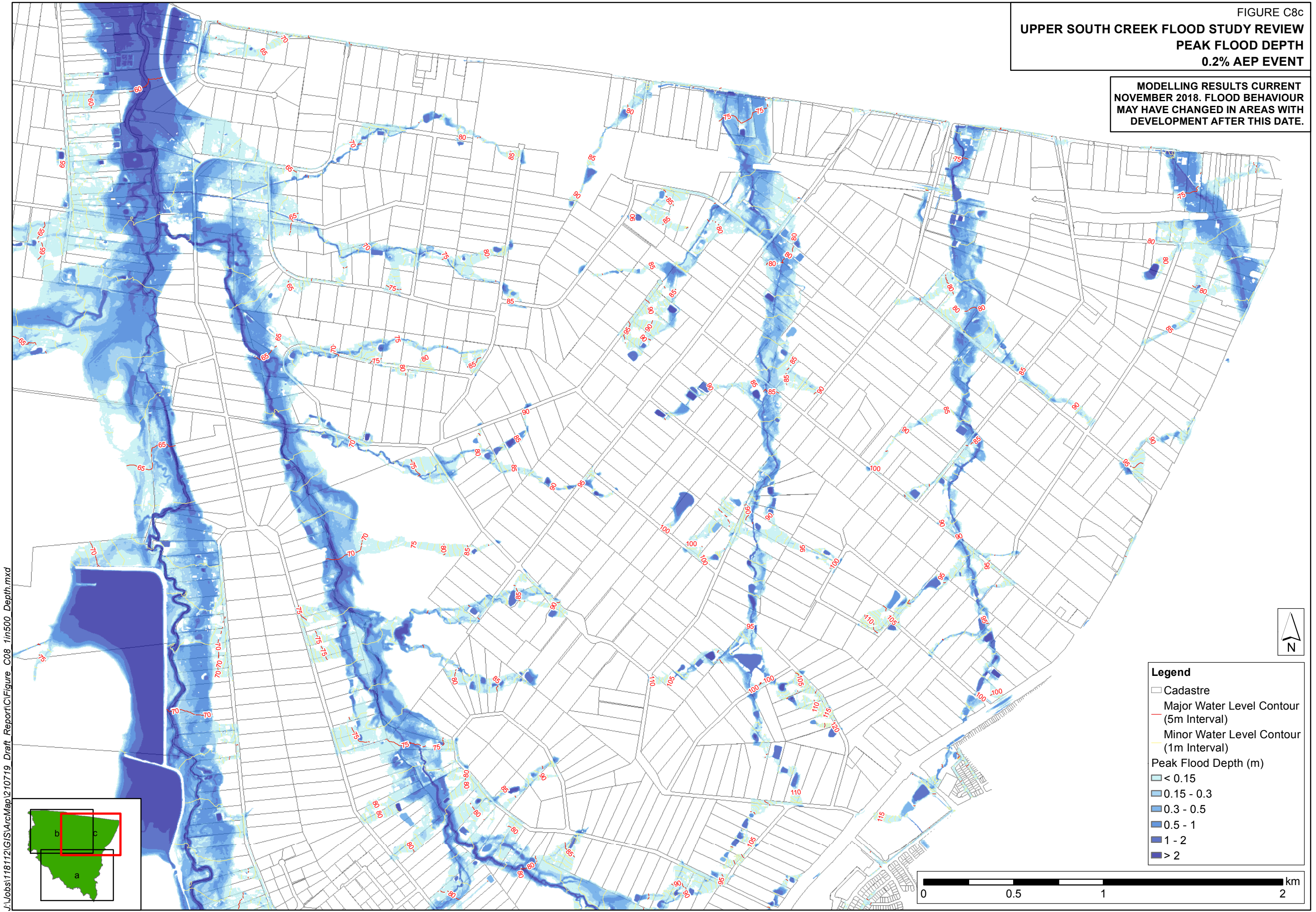
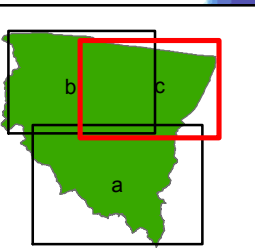


FIGURE C8c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C08_1in500_Depth.mxd



Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

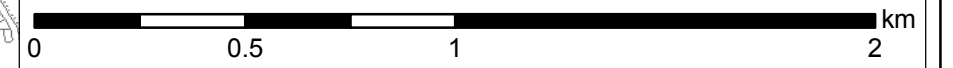
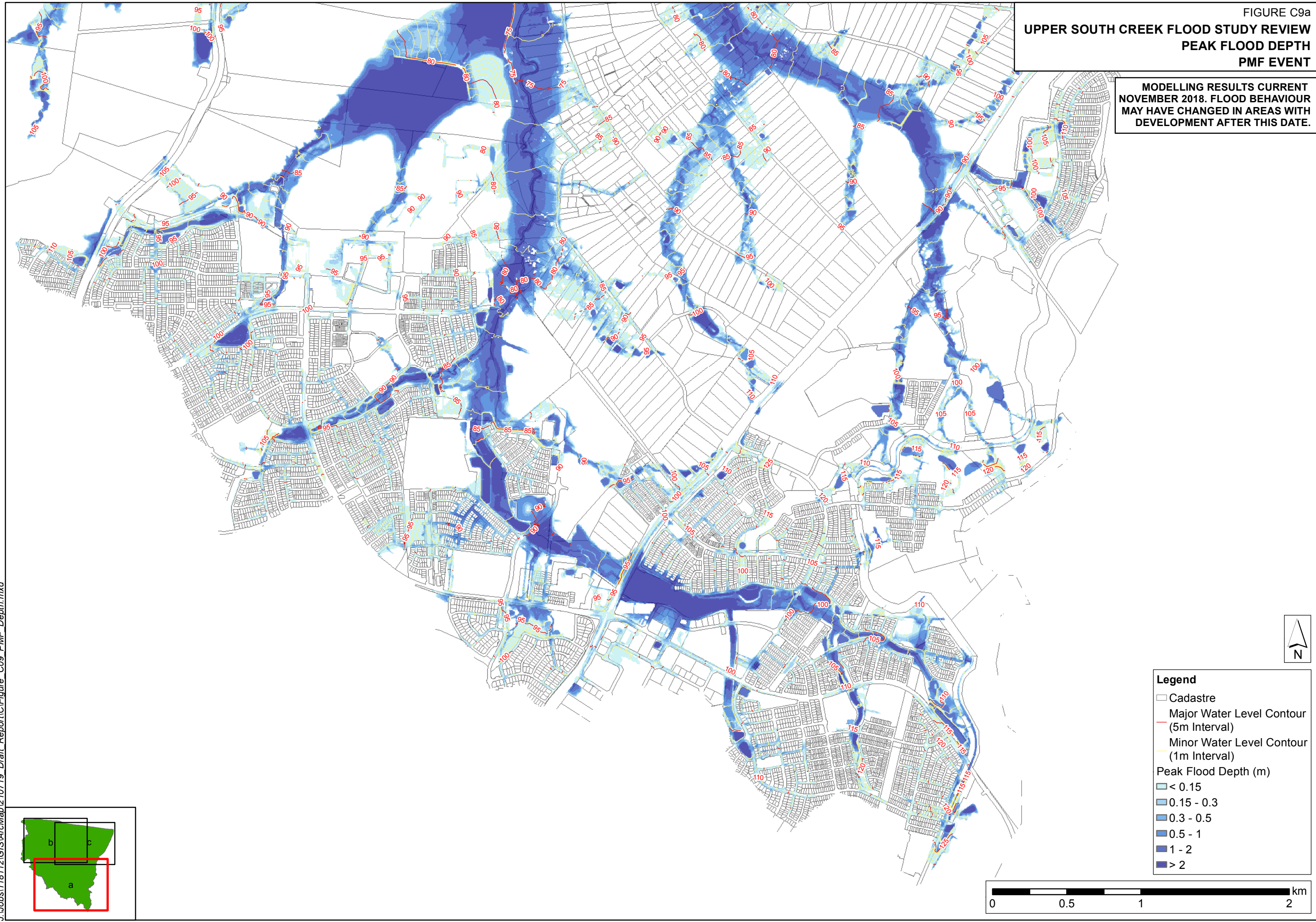


FIGURE C9a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\Figure_C09_PMF_Depth.mxd

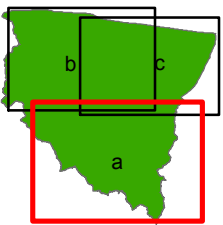
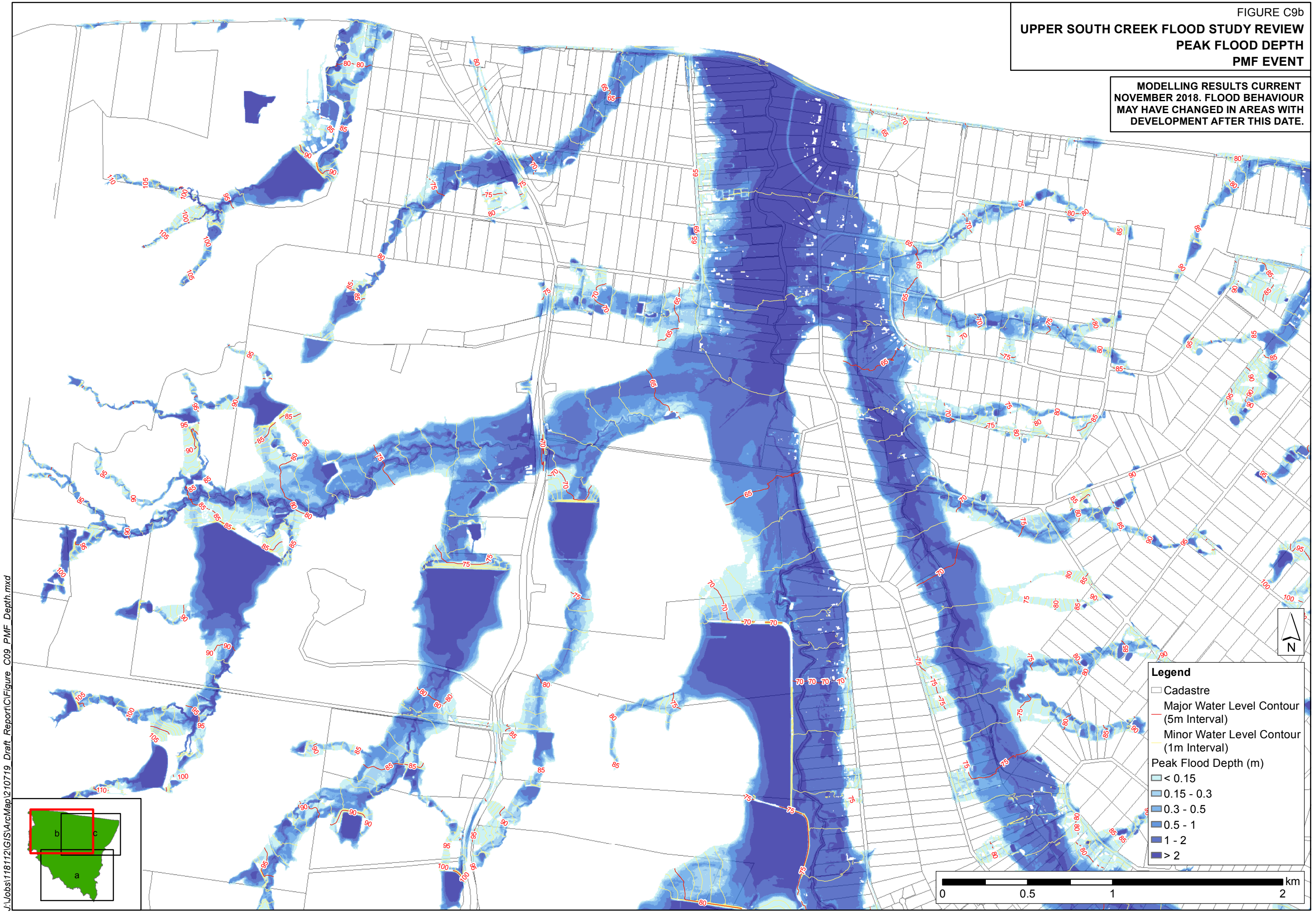


FIGURE C9b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C09_PMF_Depth.mxd

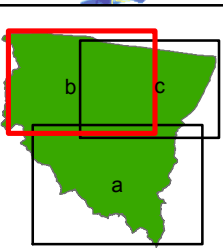
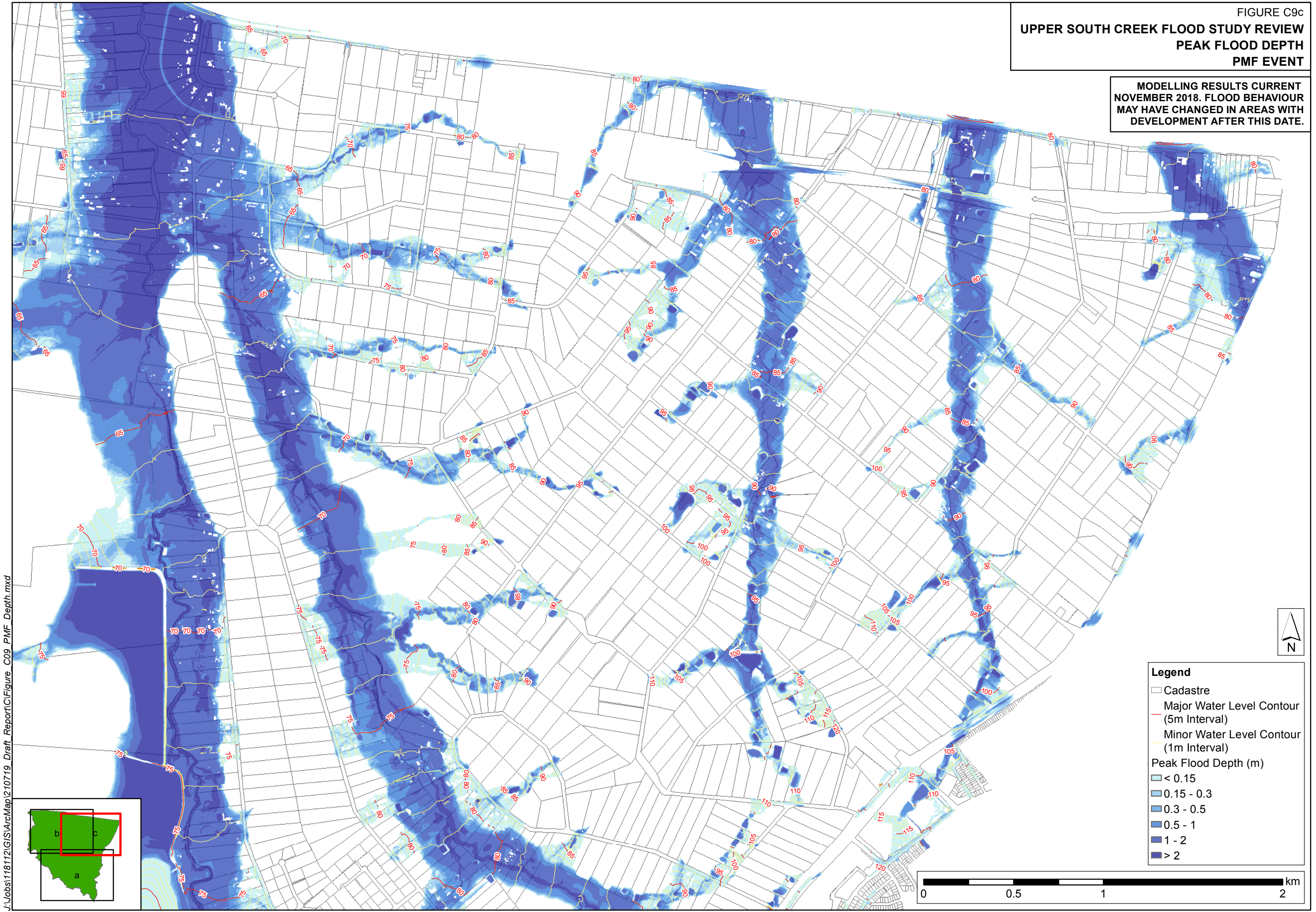


FIGURE C9c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK FLOOD DEPTH
PMF EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



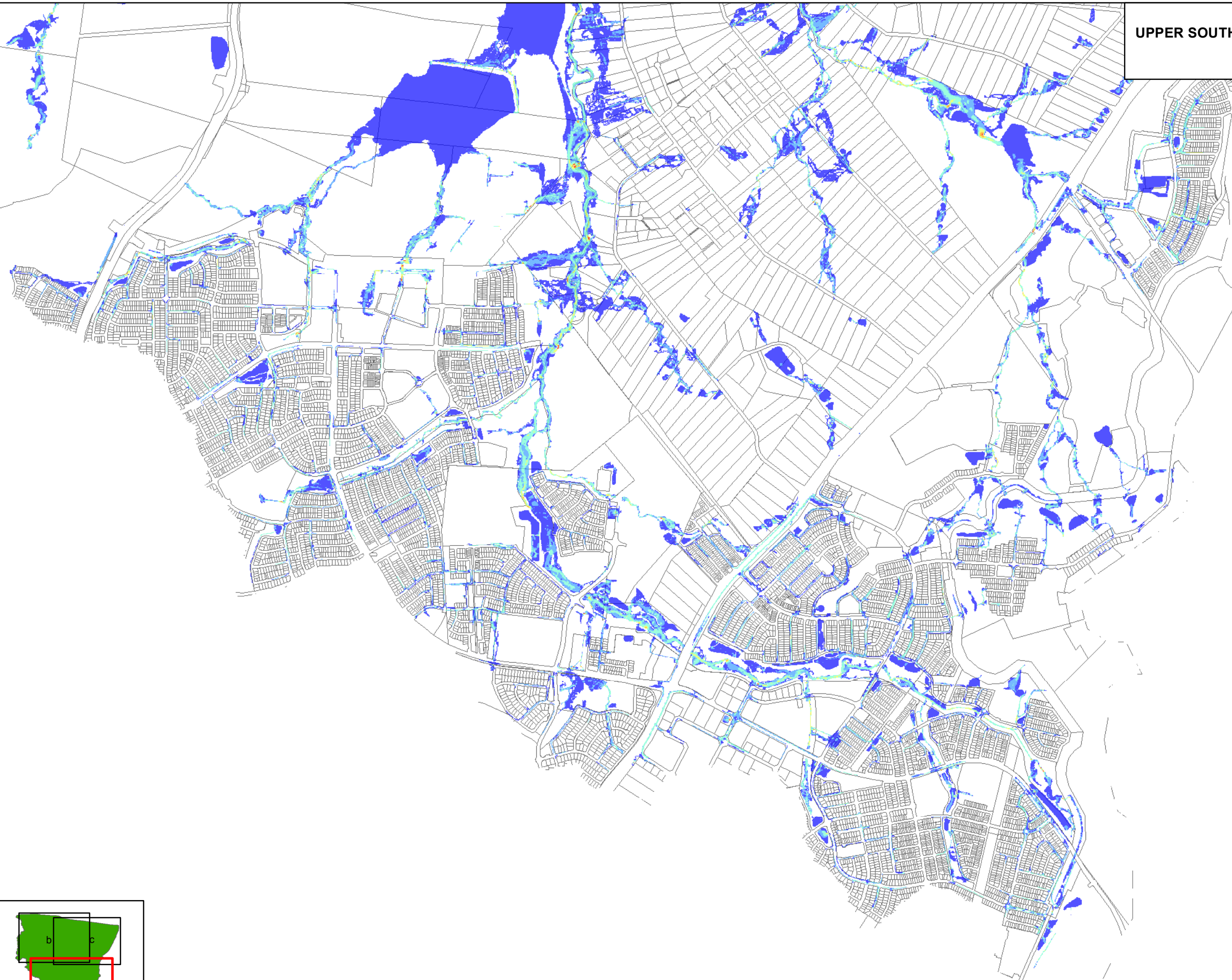
Legend

- Cadastre
- Major Water Level Contour (5m Interval)
- Minor Water Level Contour (1m Interval)
- Peak Flood Depth (m)
 - < 0.15
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - > 2

J:\Jobs\118112\GIS\ArcMap\Map2\10719 Draft_Report\Figure_C09_PMF_Depth.mxd

FIGURE C10a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
50% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C10_50pc_Velocity.mxd

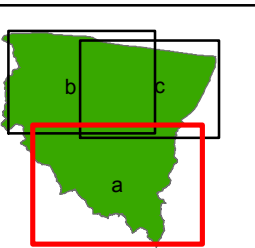
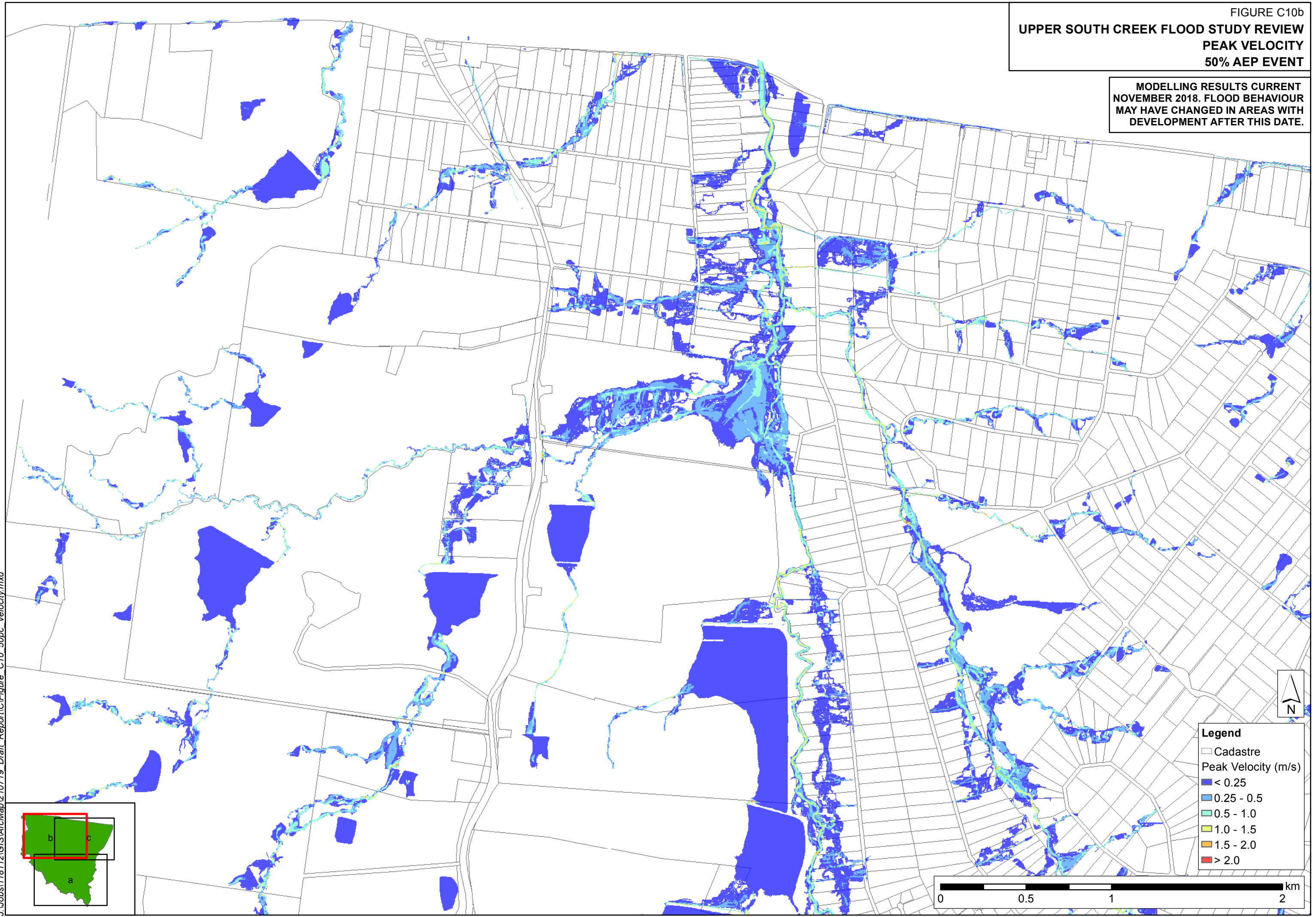
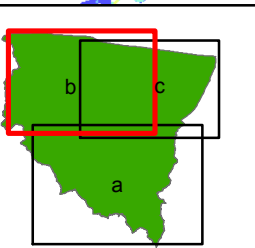


FIGURE C10b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
50% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C10_50pc_Velocity.mxd



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

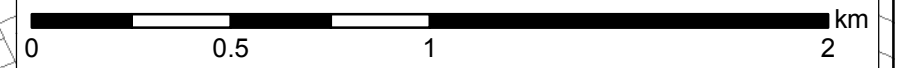
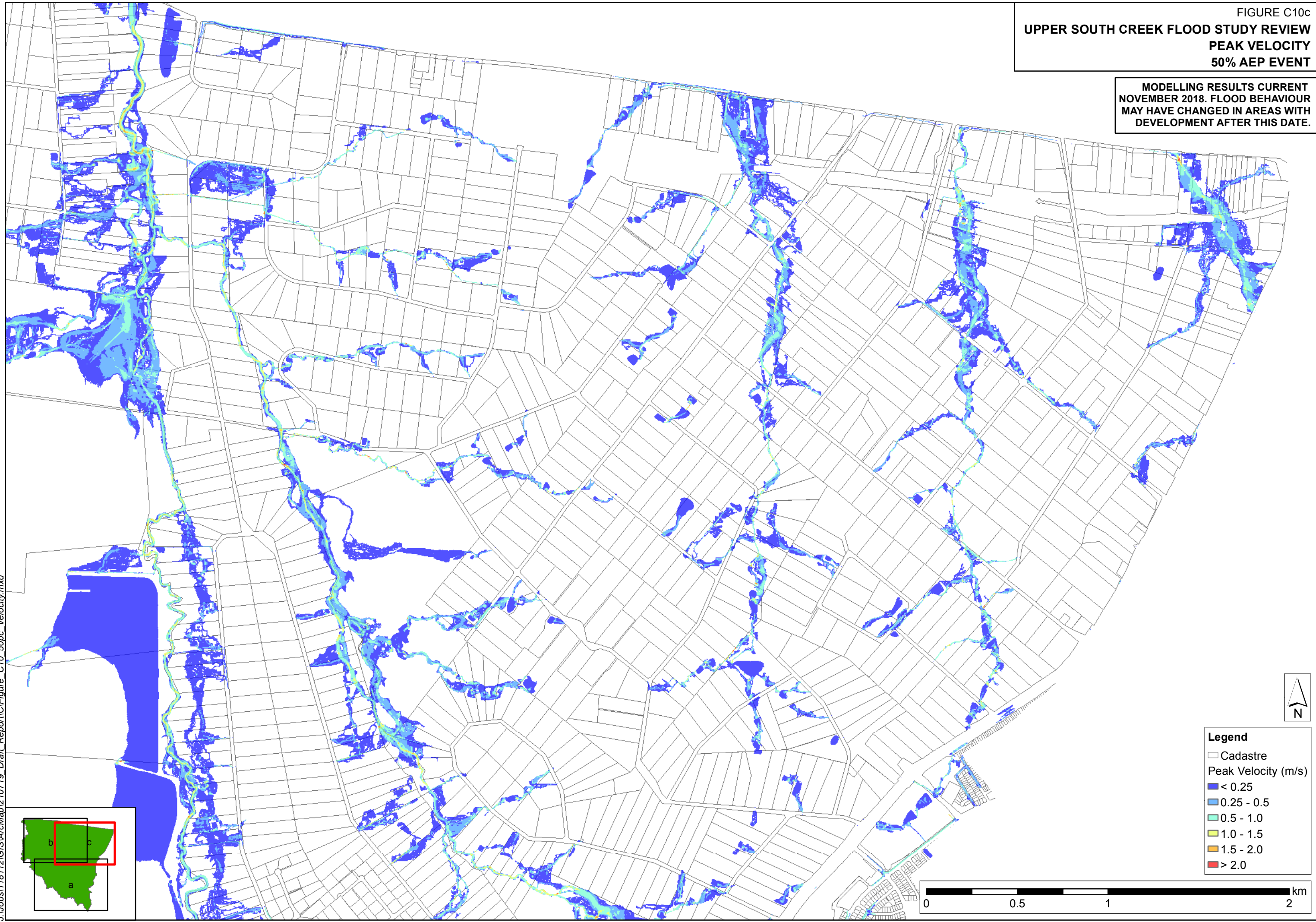
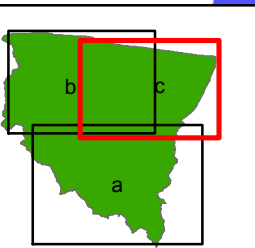


FIGURE C10c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
50% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C10_50pc_Velocity.mxd

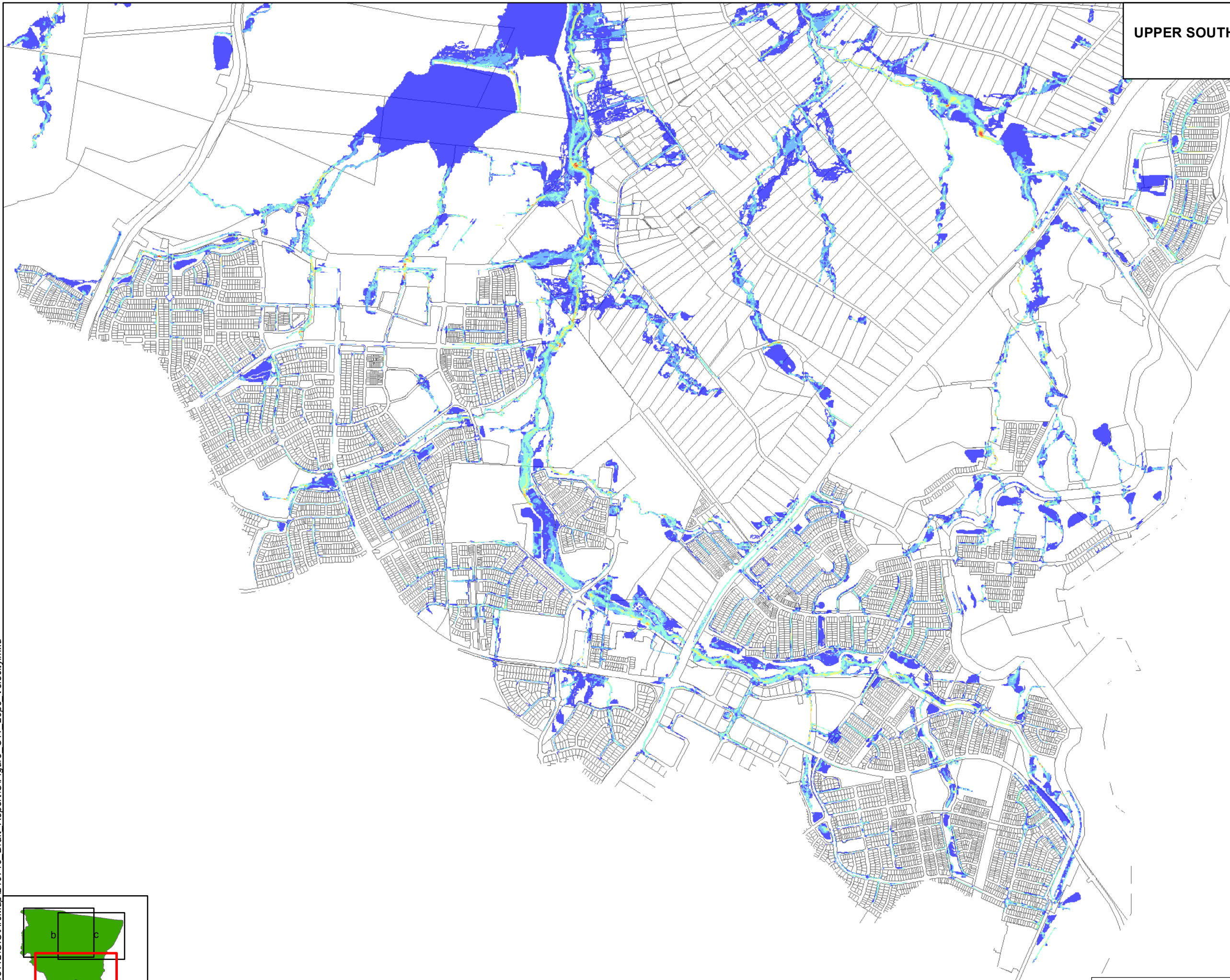


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - <math>< 0.25</math>
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

FIGURE C11a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
20% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C11_20pc_Velocity.mxd

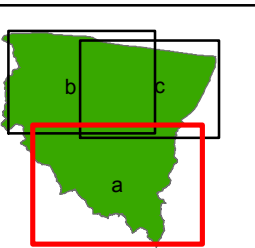
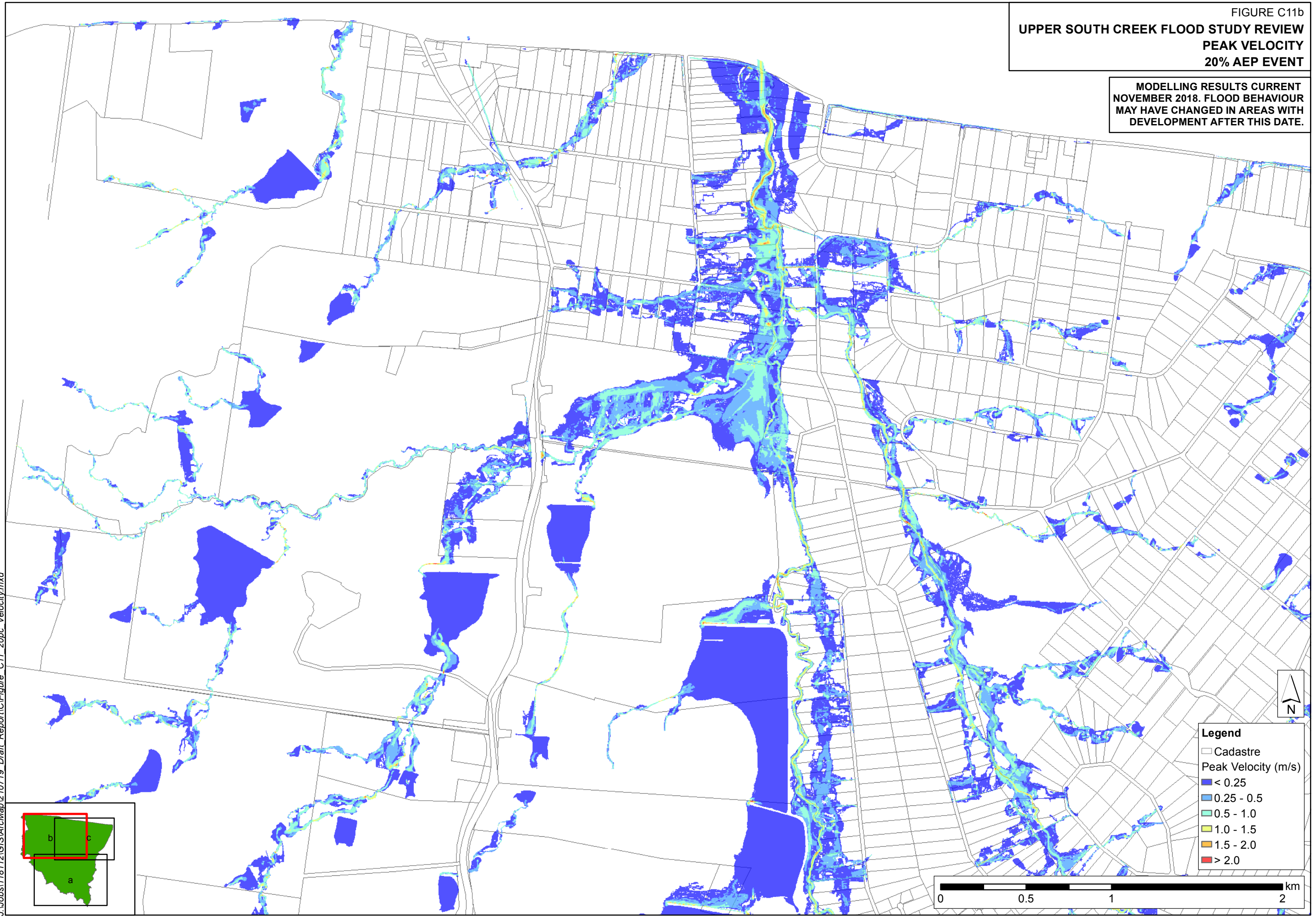
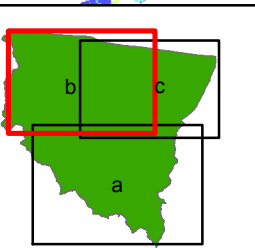


FIGURE C11b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
20% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C11_20pc_Velocity.mxd



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

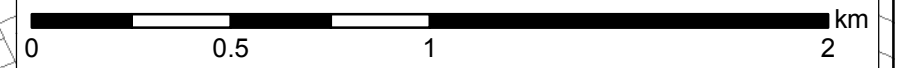
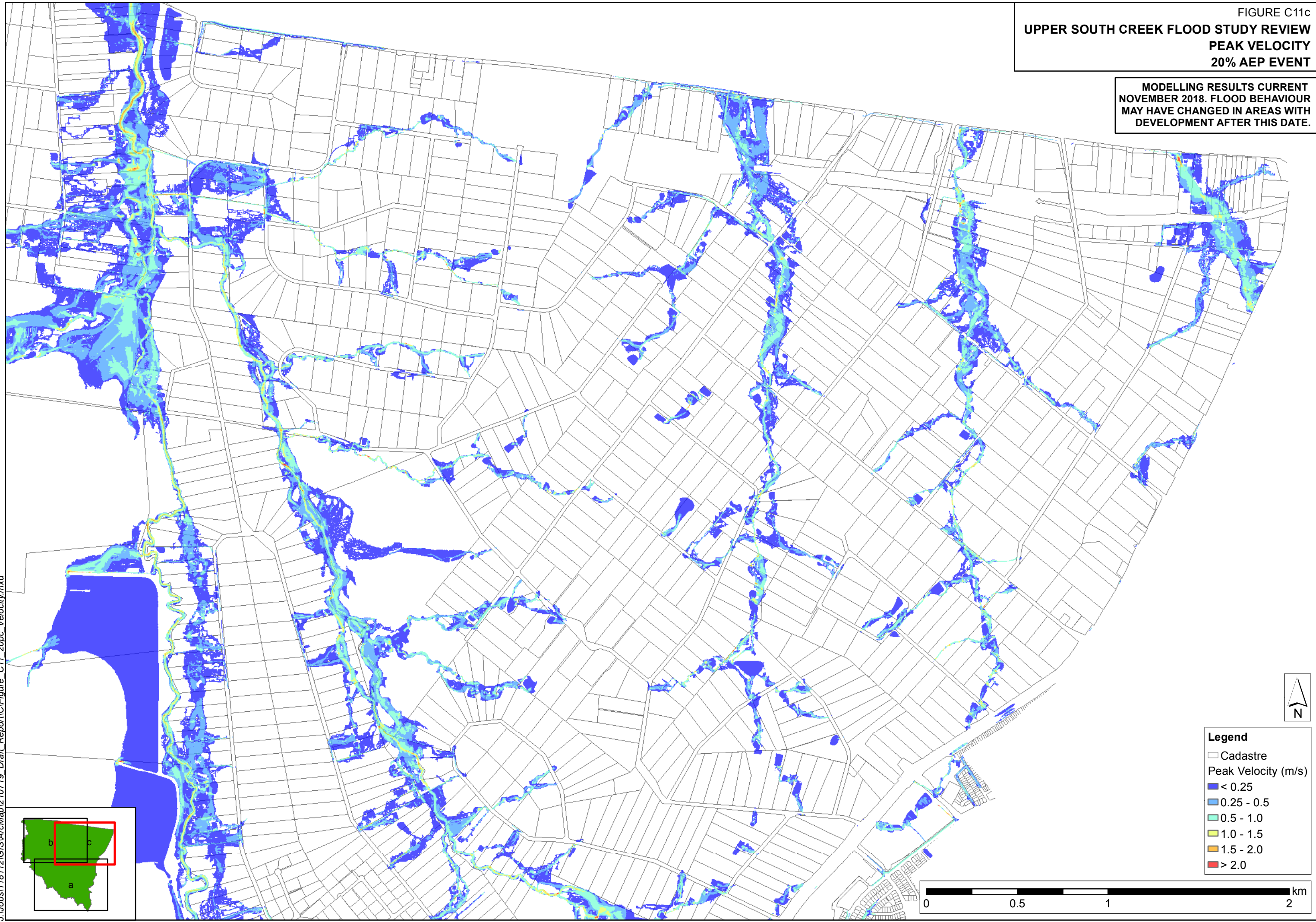


FIGURE C11c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
20% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C11_20pc_Velocity.mxd

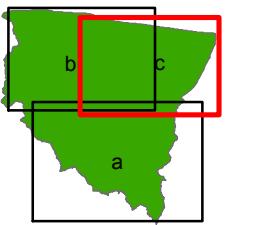
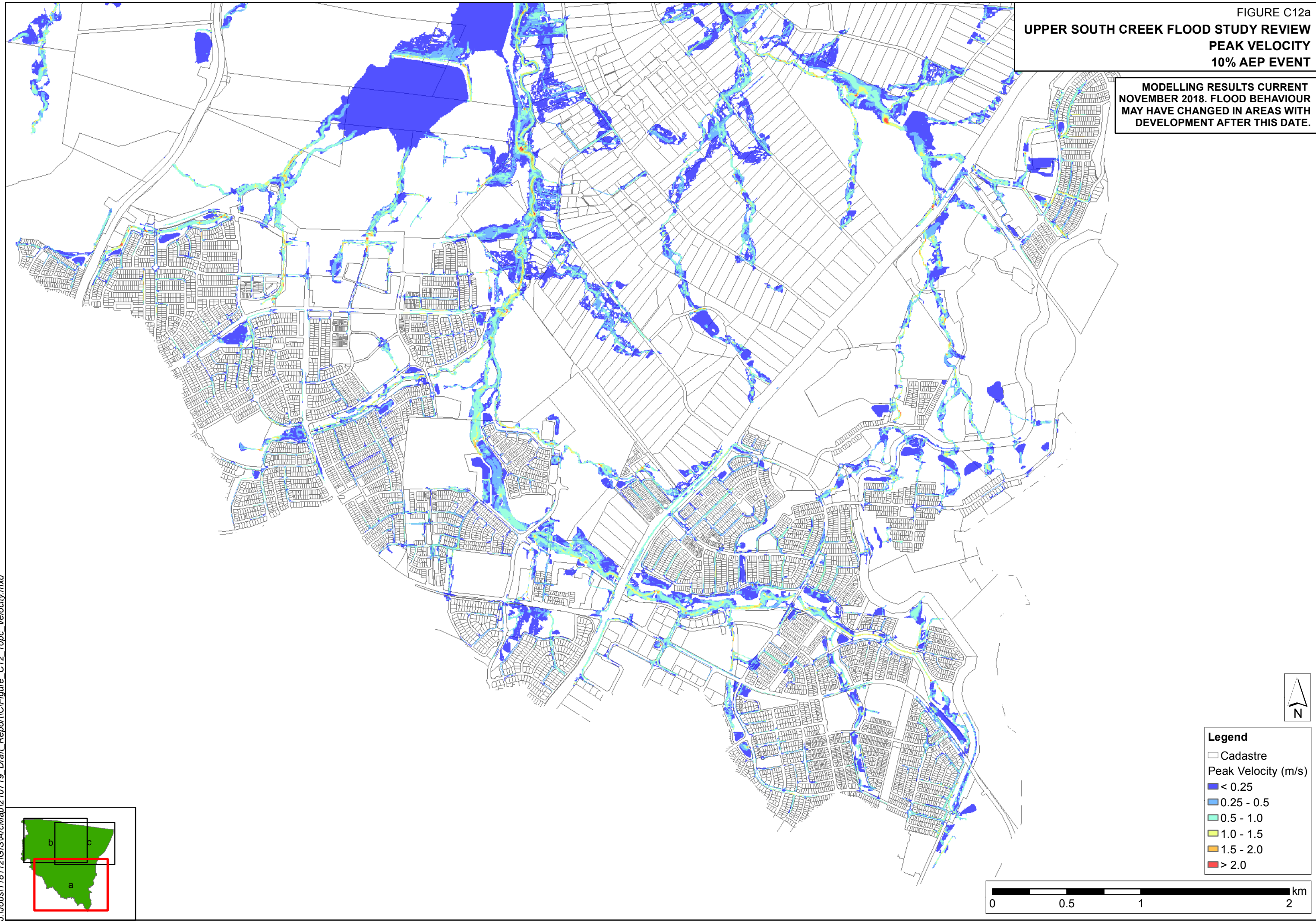
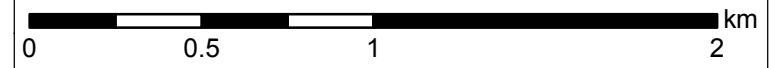


FIGURE C12a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
10% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C12_10pc_Velocity.mxd

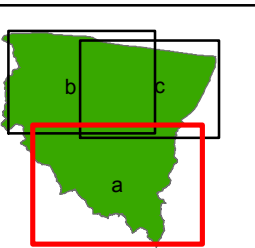
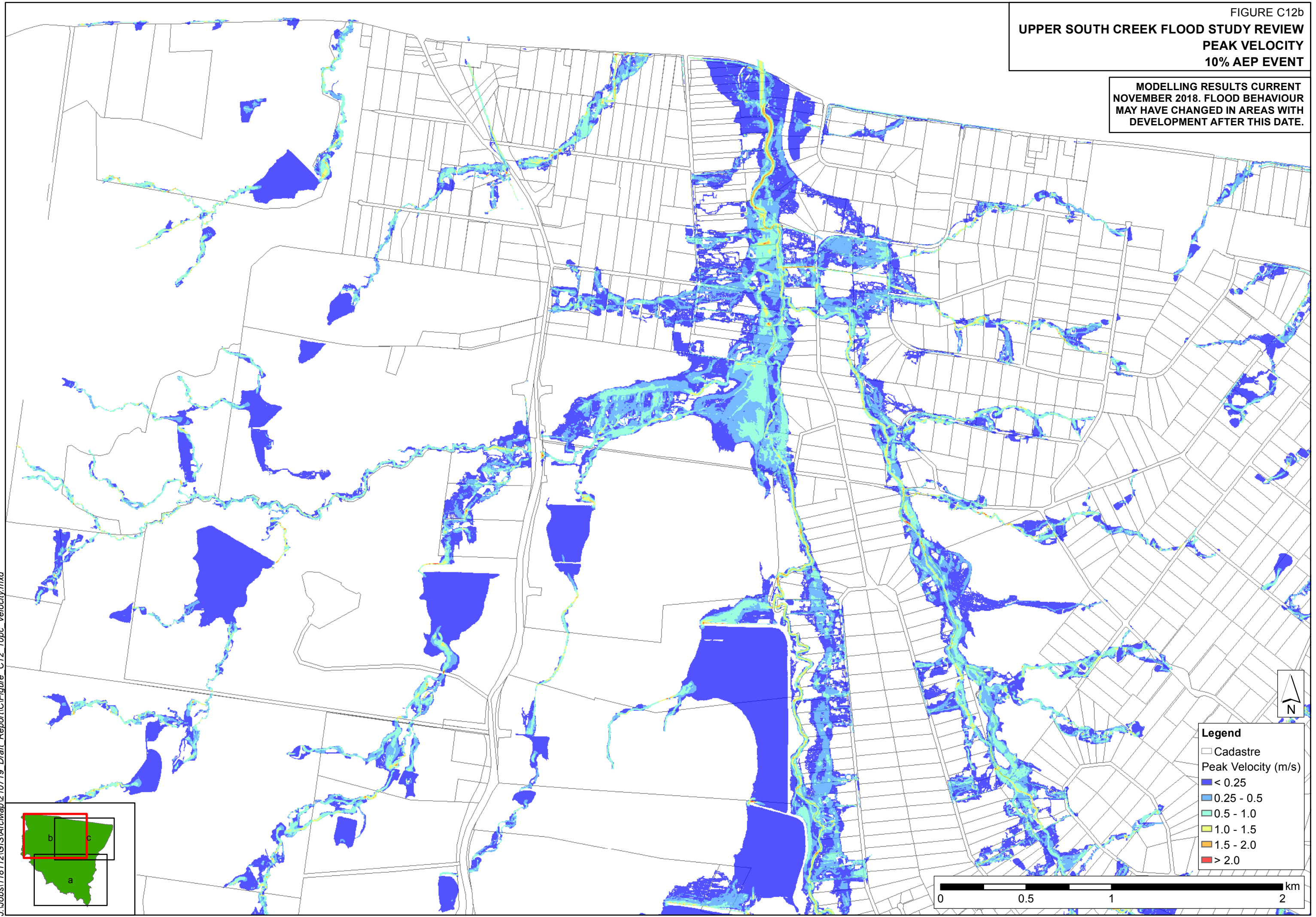


FIGURE C12b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
10% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

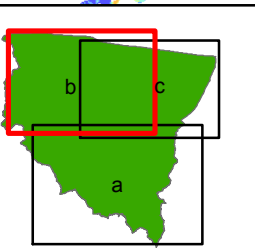
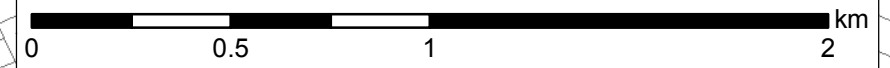
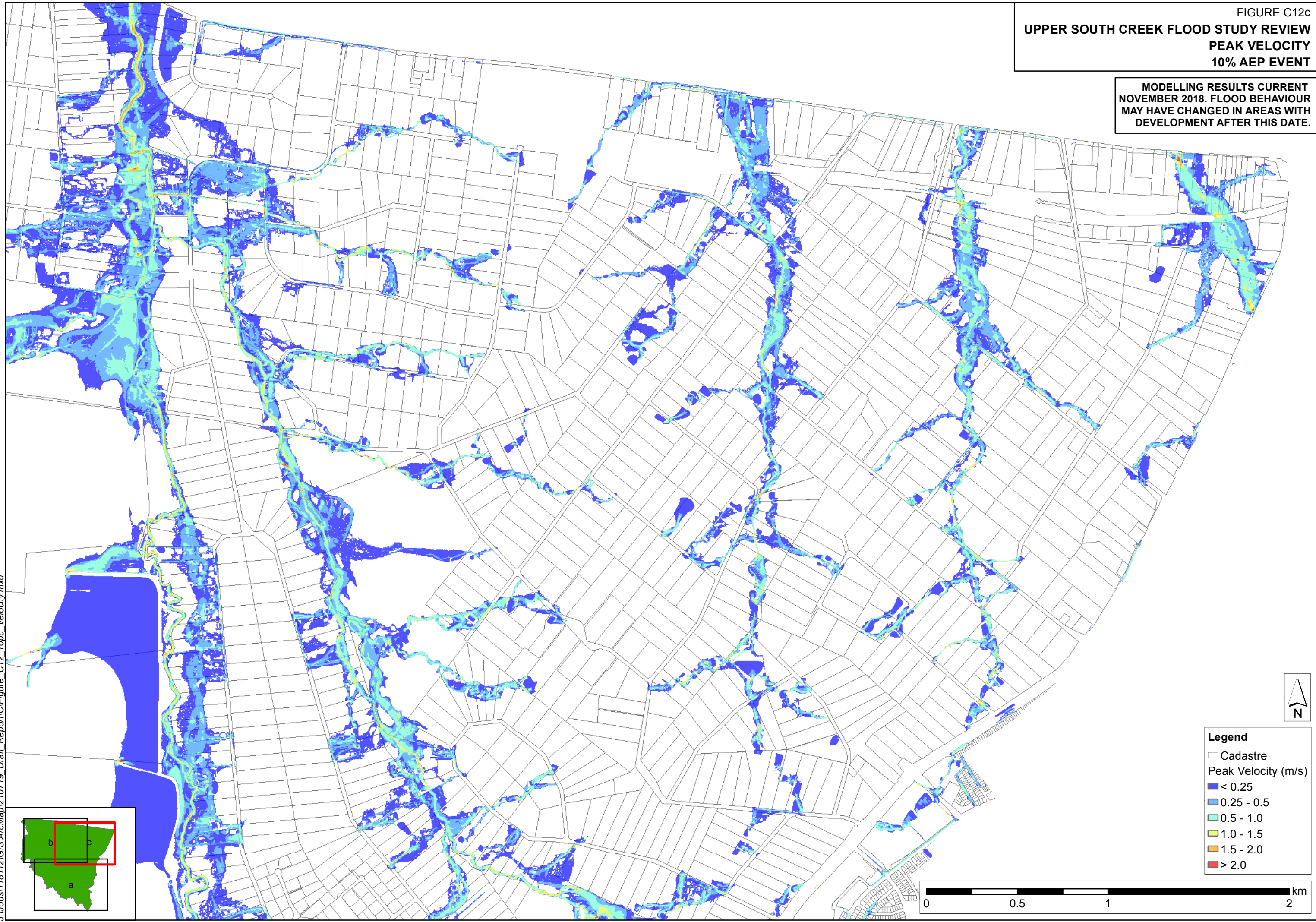


FIGURE C12c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
10% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C12_10pc_Velocity.mxd

FIGURE C13a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

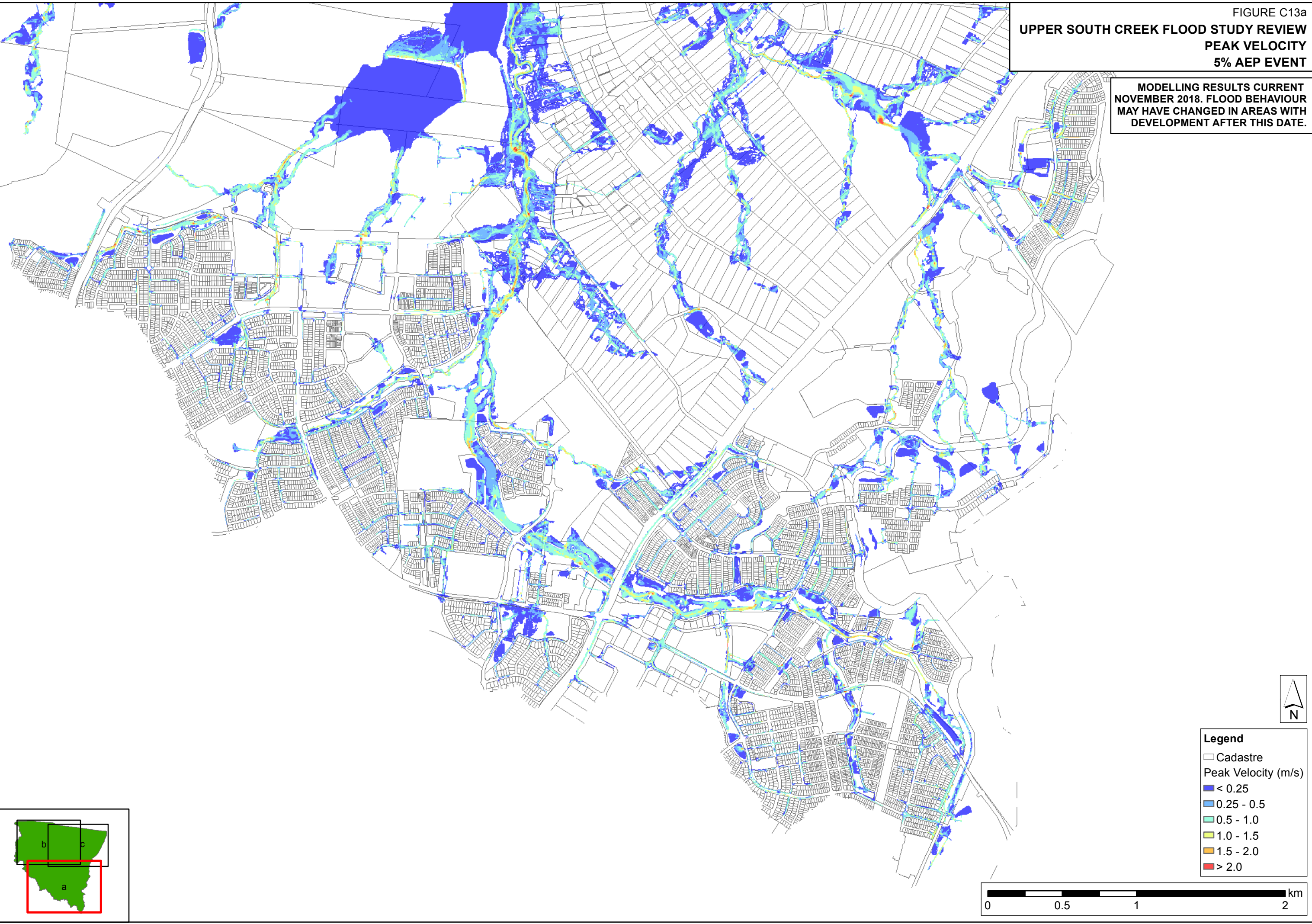
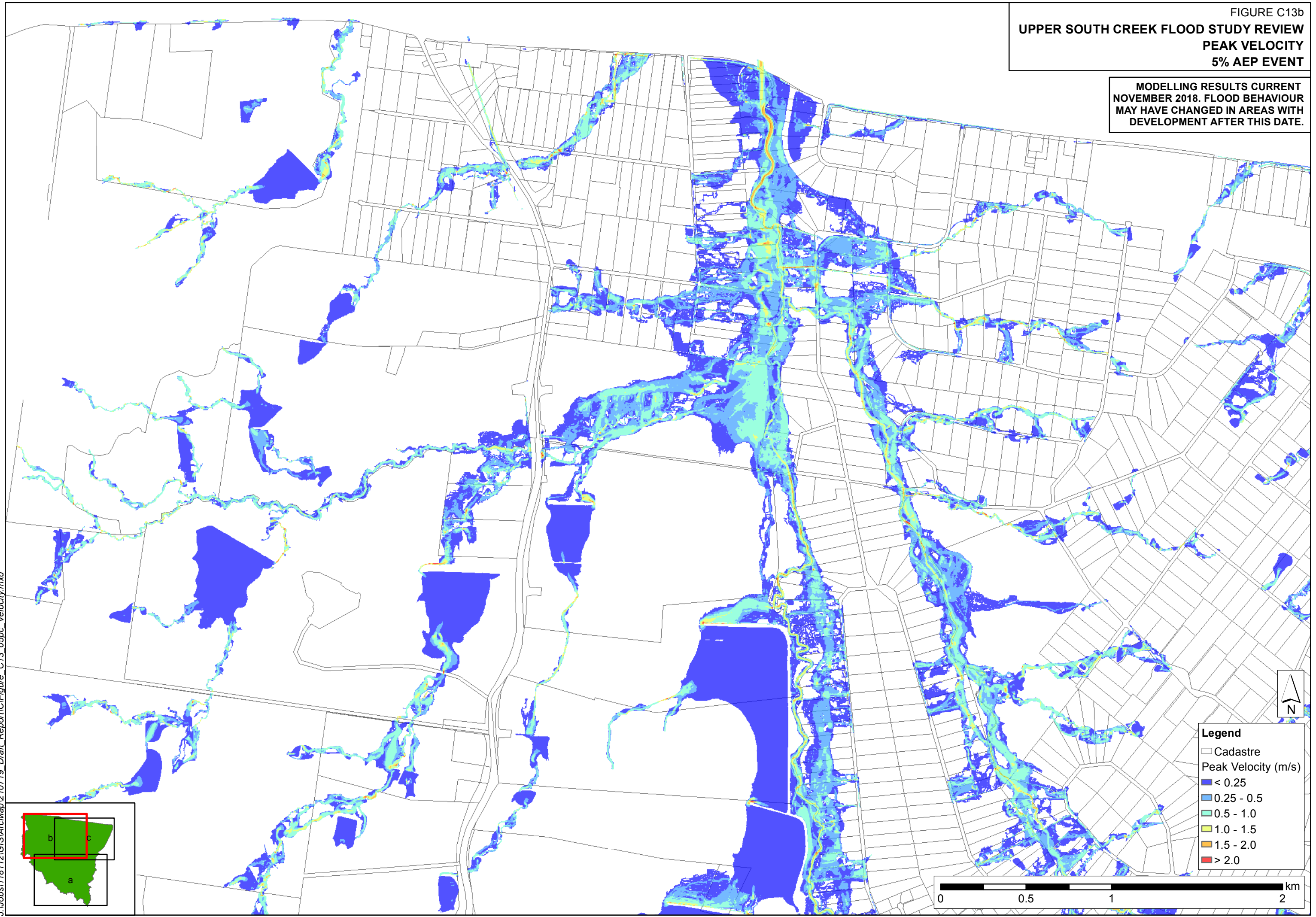


FIGURE C13b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

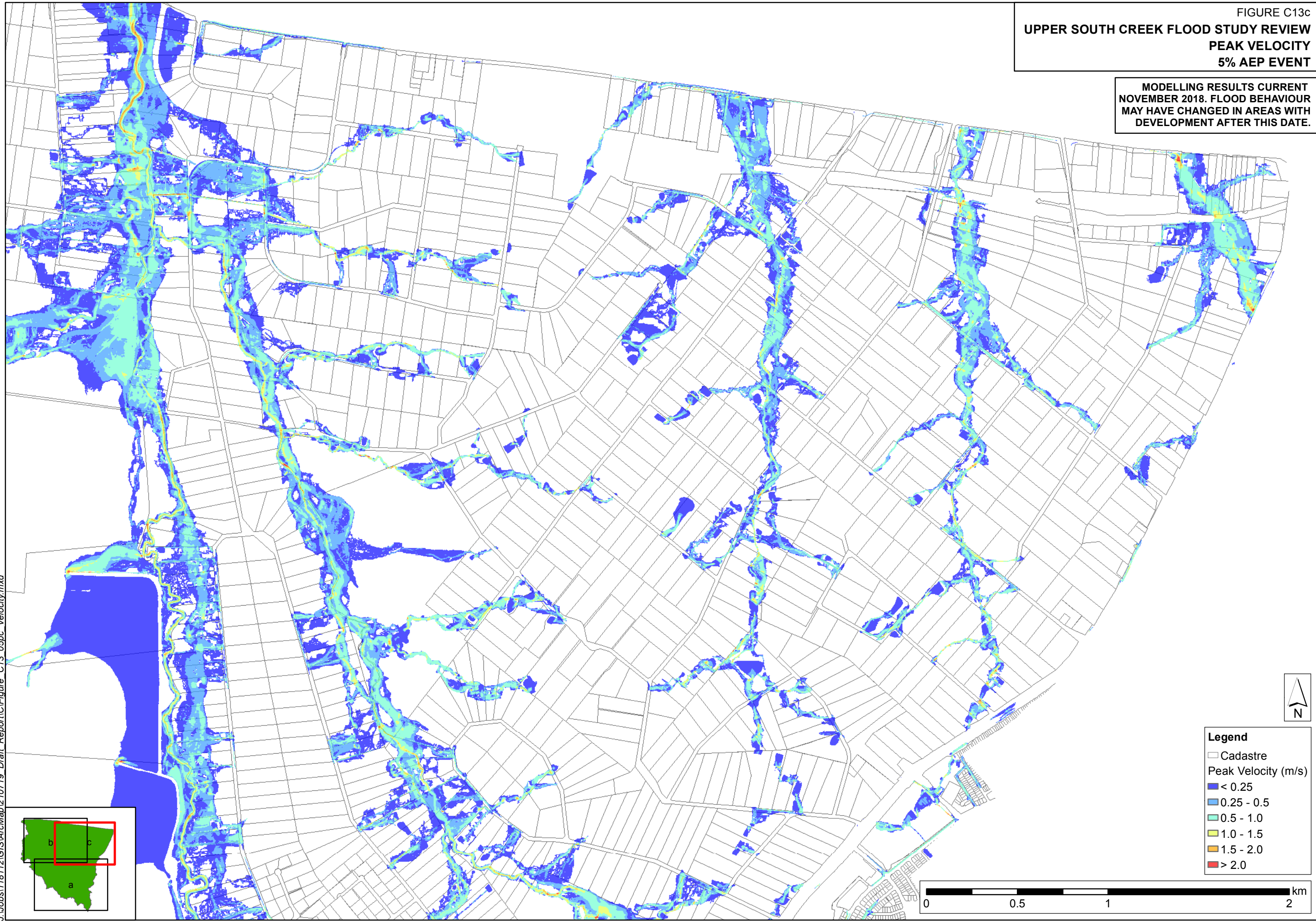


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

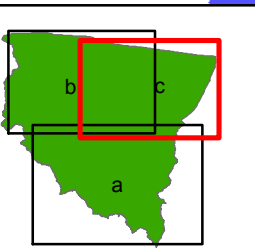


FIGURE C13c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C13_05pc_Velocity.mxd

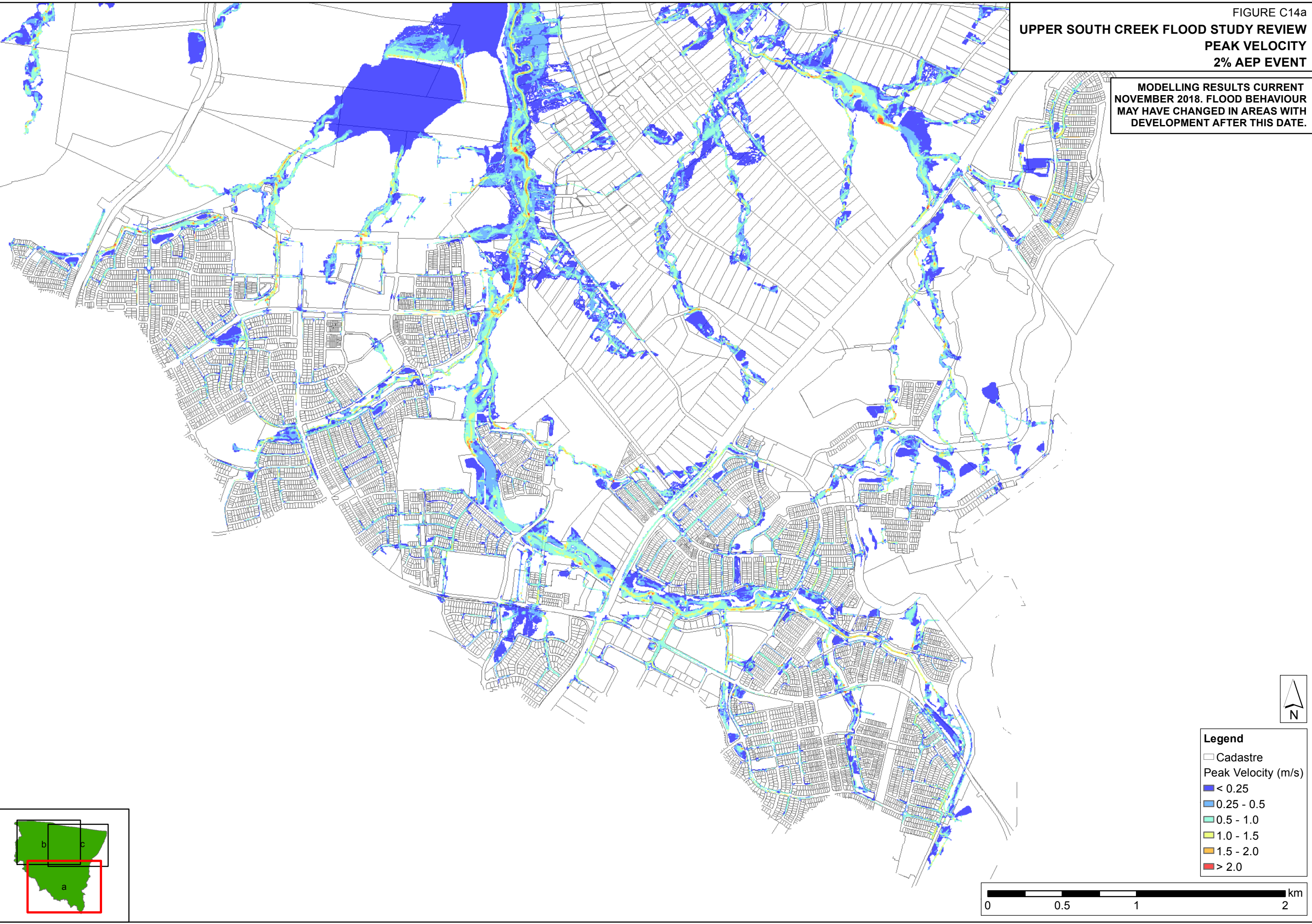


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

FIGURE C14a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C14_02pc_Velocity.mxd

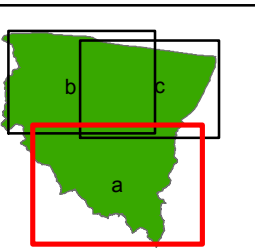
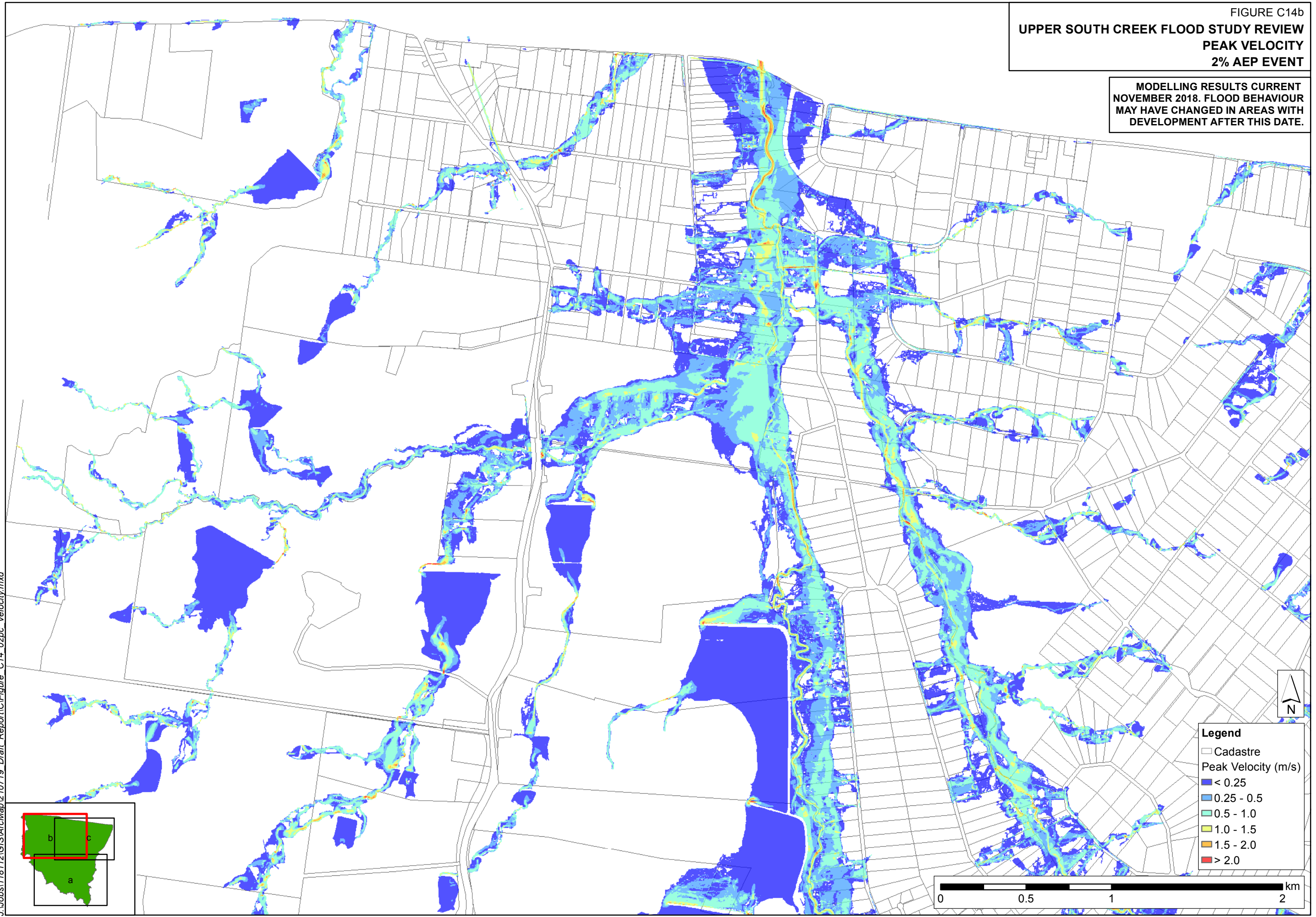
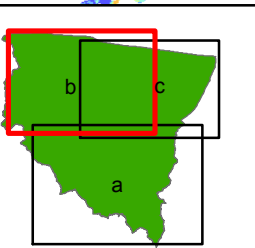


FIGURE C14b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C14_02pc_Velocity.mxd

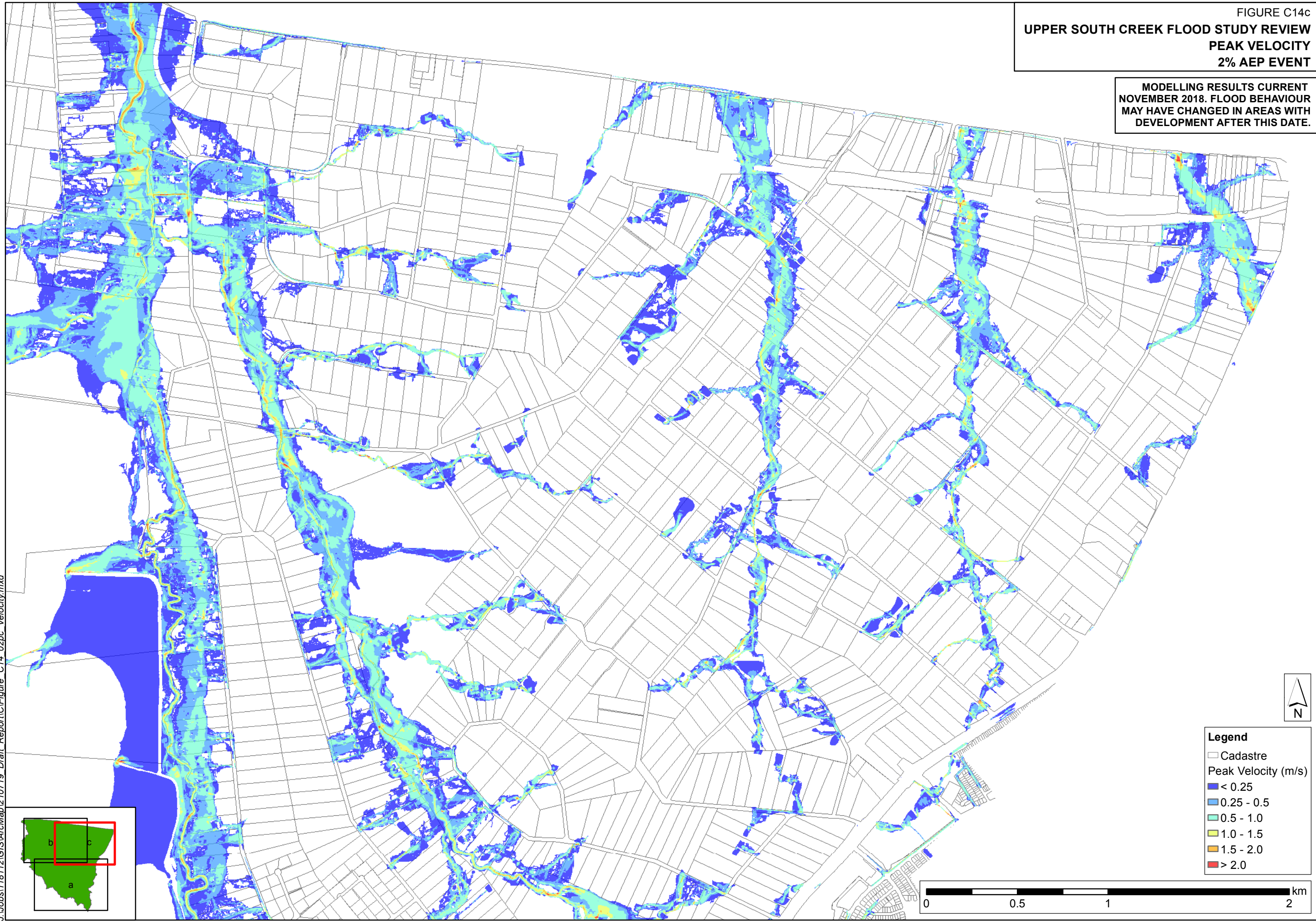


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

FIGURE C14c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

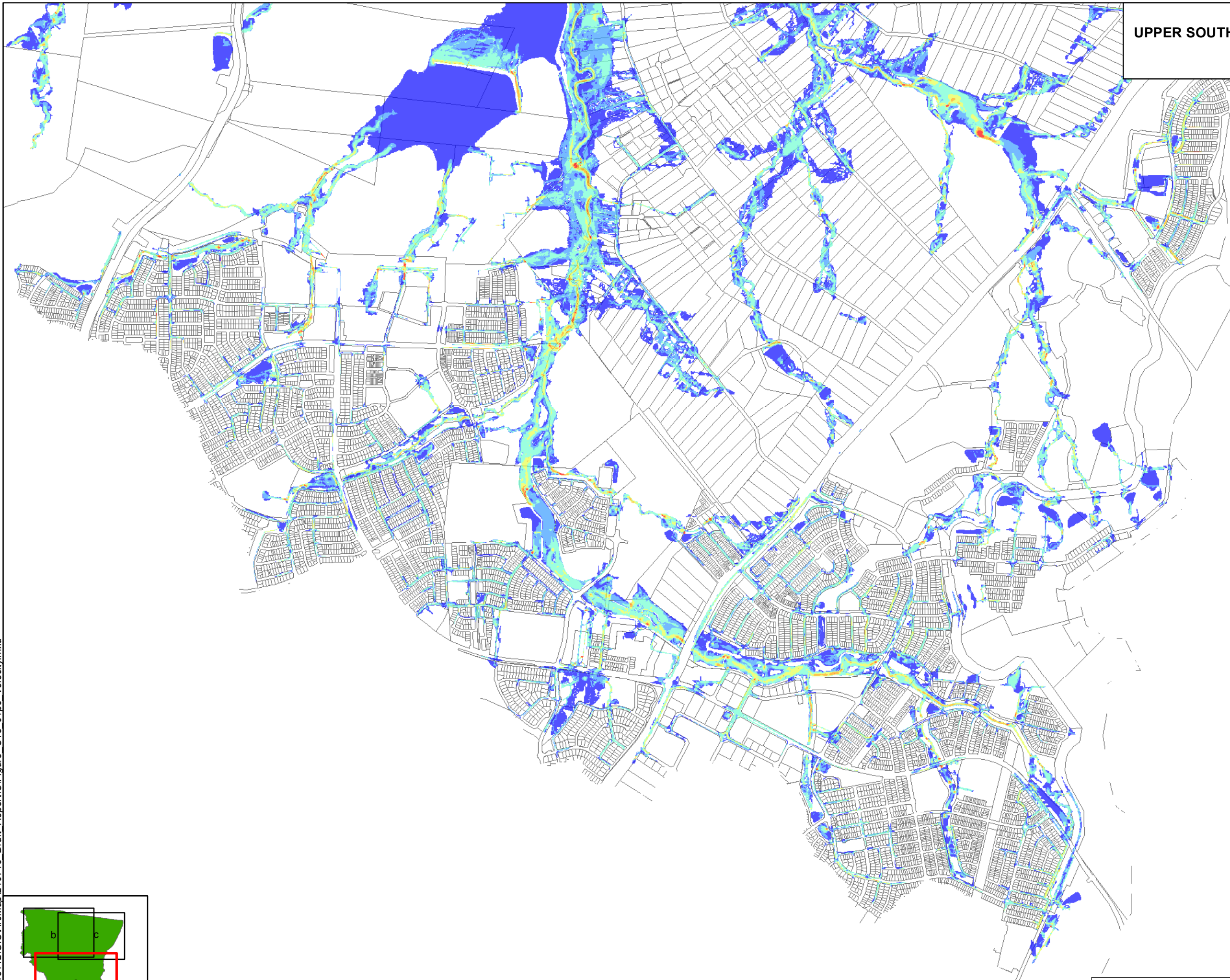


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C14_02pc_Velocity.mxd

FIGURE C15a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C15_01pc_Velocity.mxd

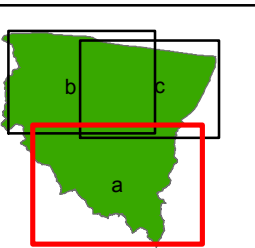
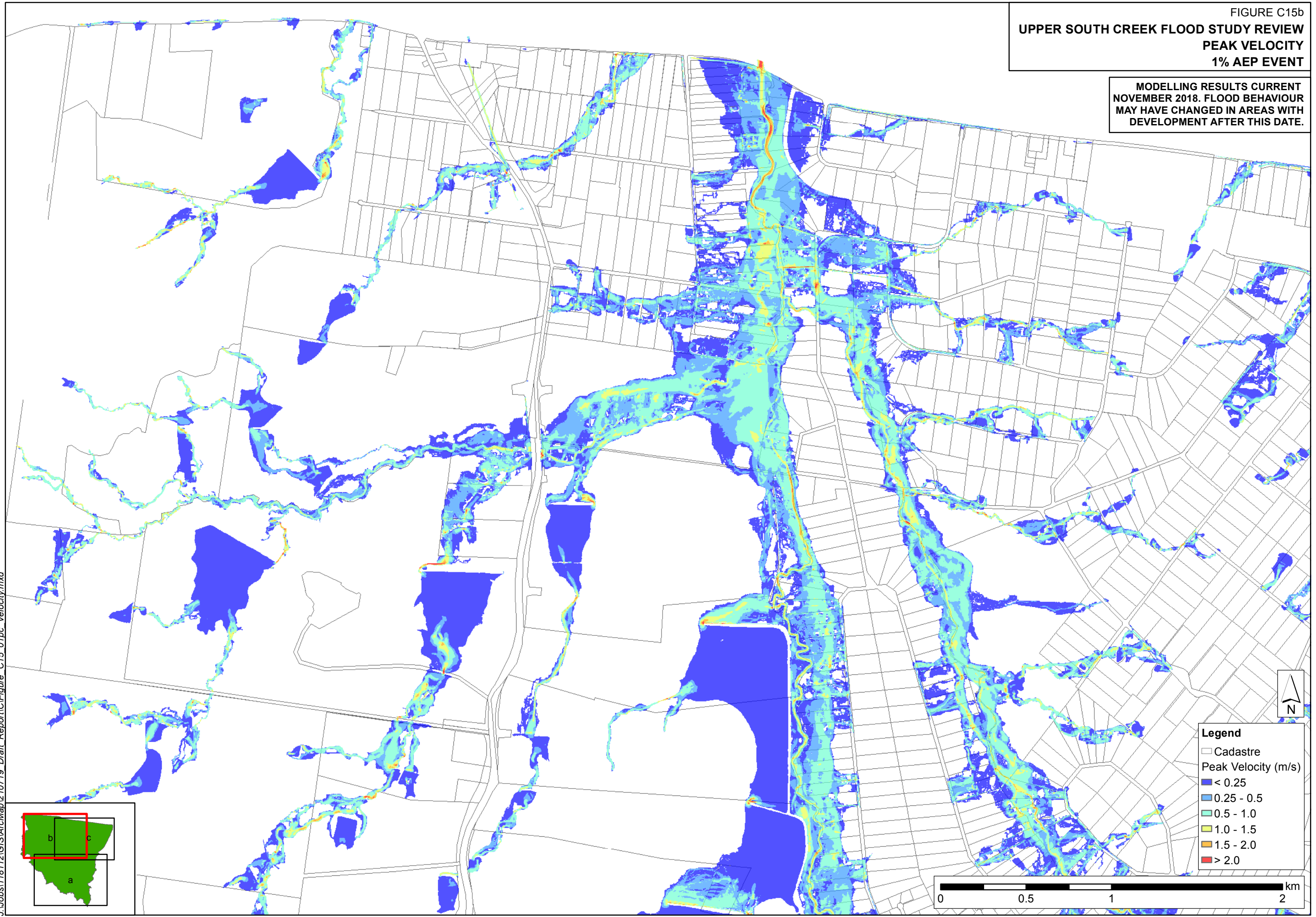


FIGURE C15b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

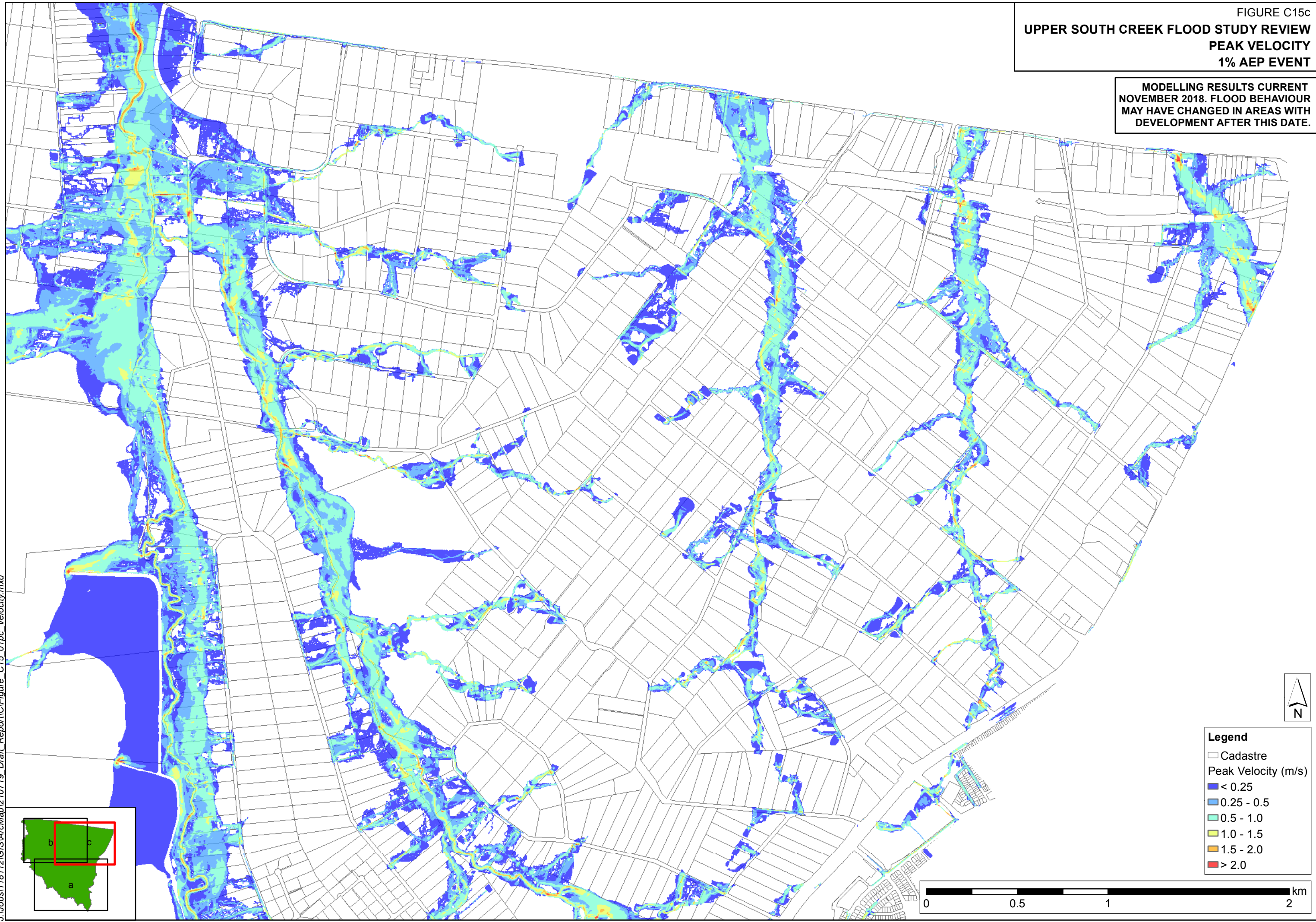


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

FIGURE C15c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



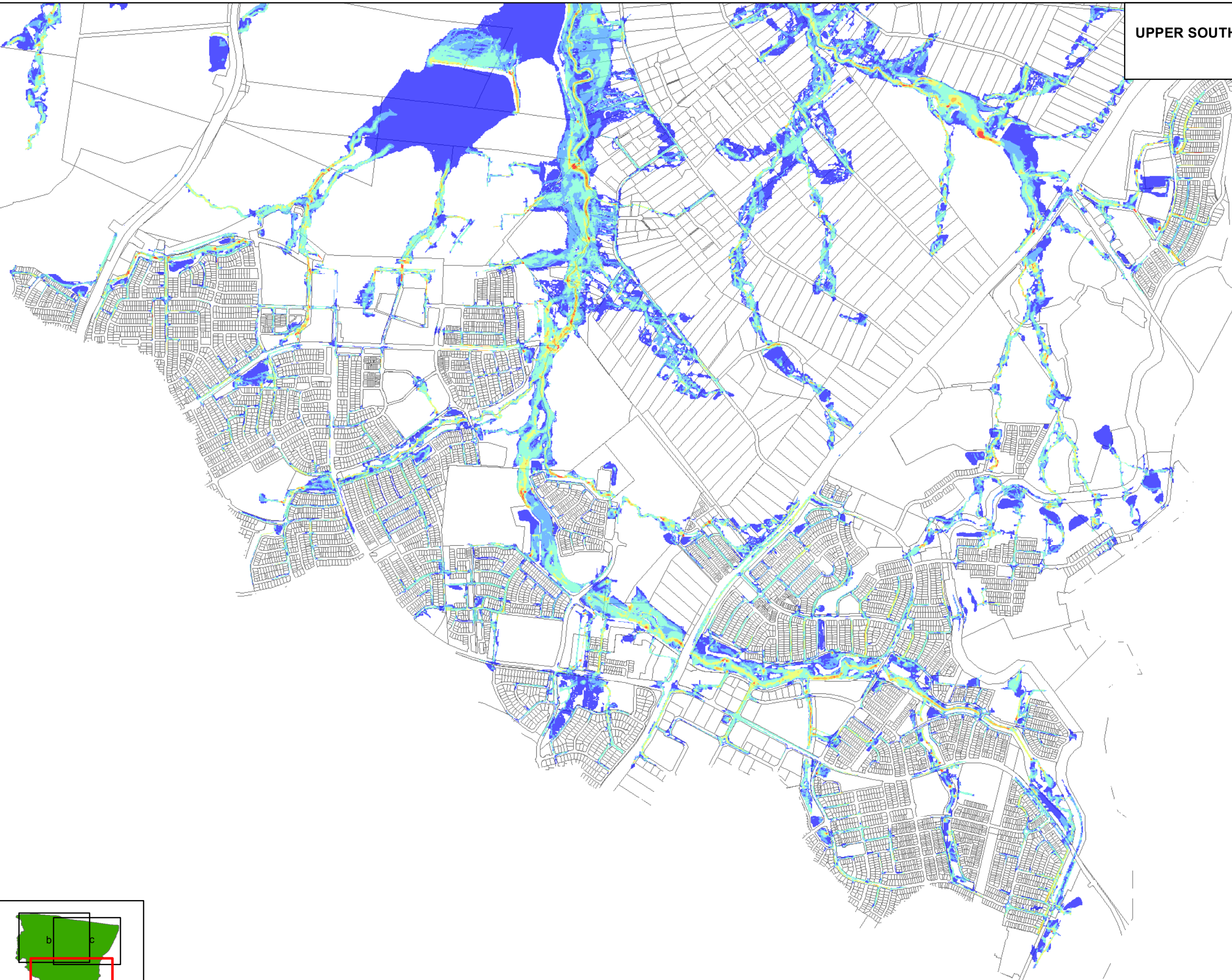
- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C15_01pc_Velocity.mxd

FIGURE C16a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

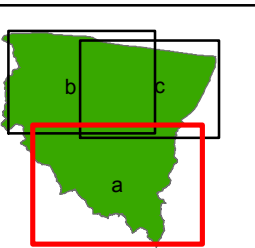
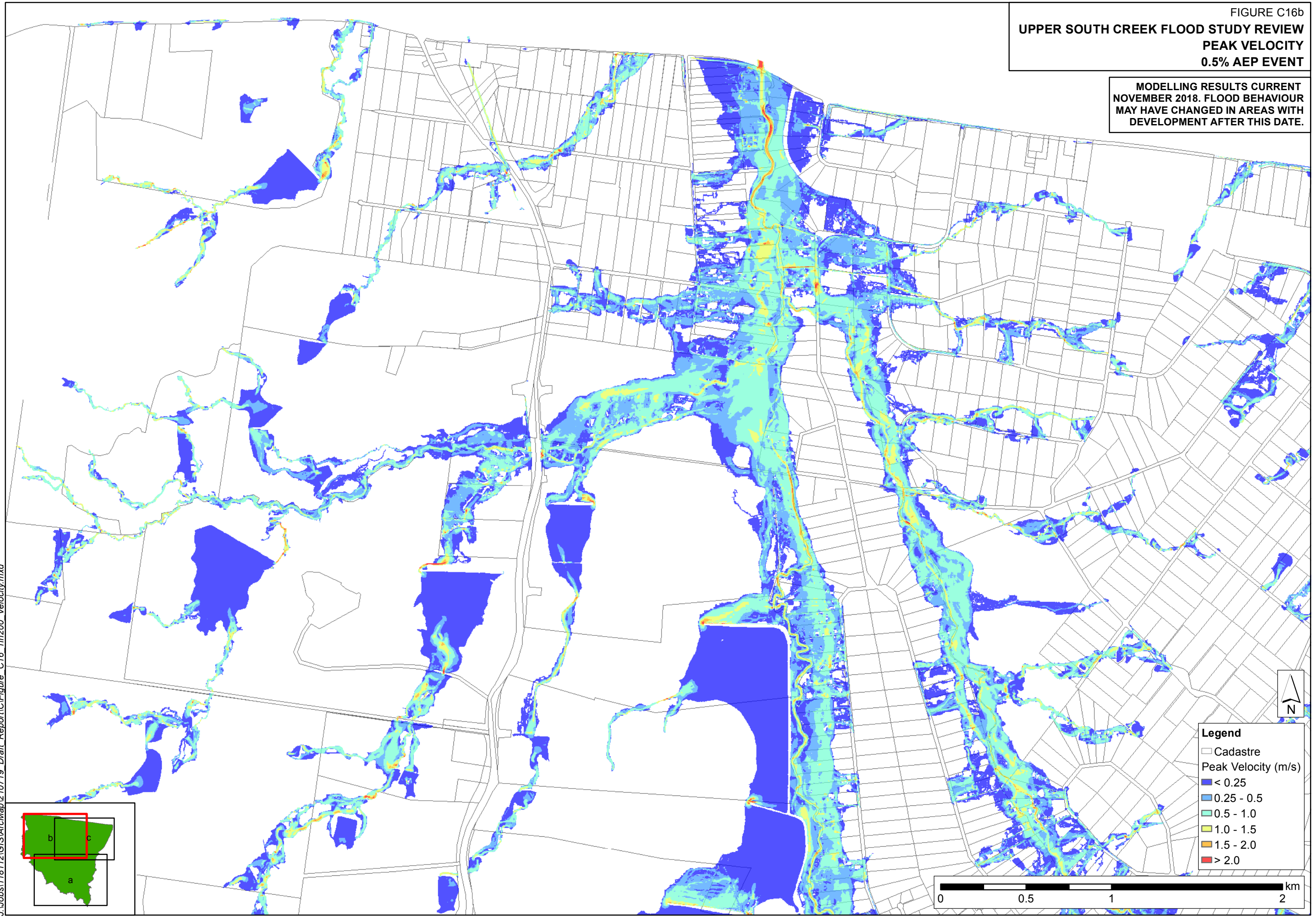


FIGURE C16b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C16_1in200_Velocity.mxd

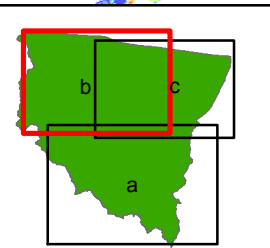
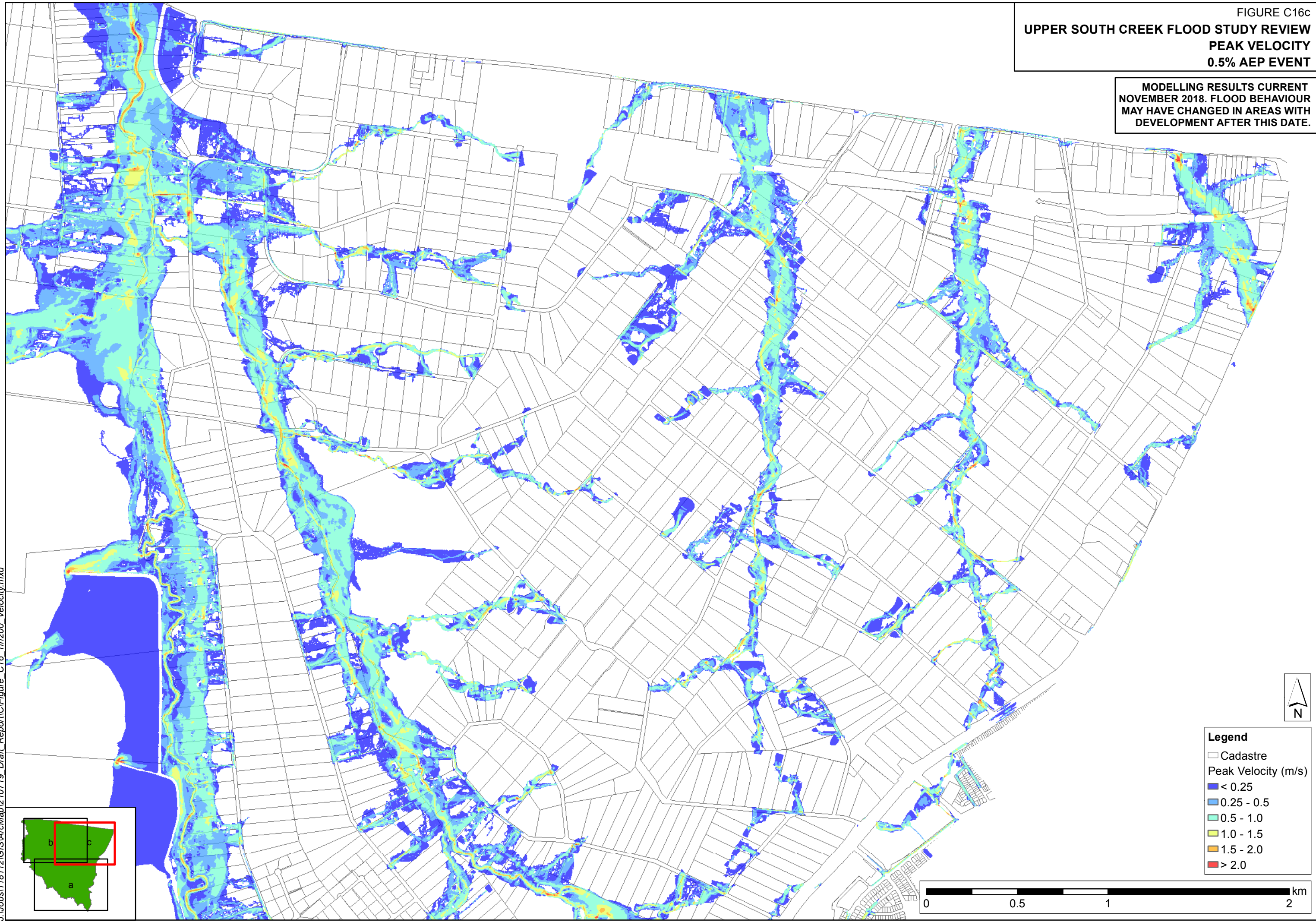


FIGURE C16c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C16_1in200_Velocity.mxd

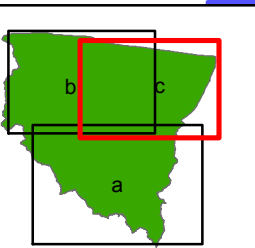
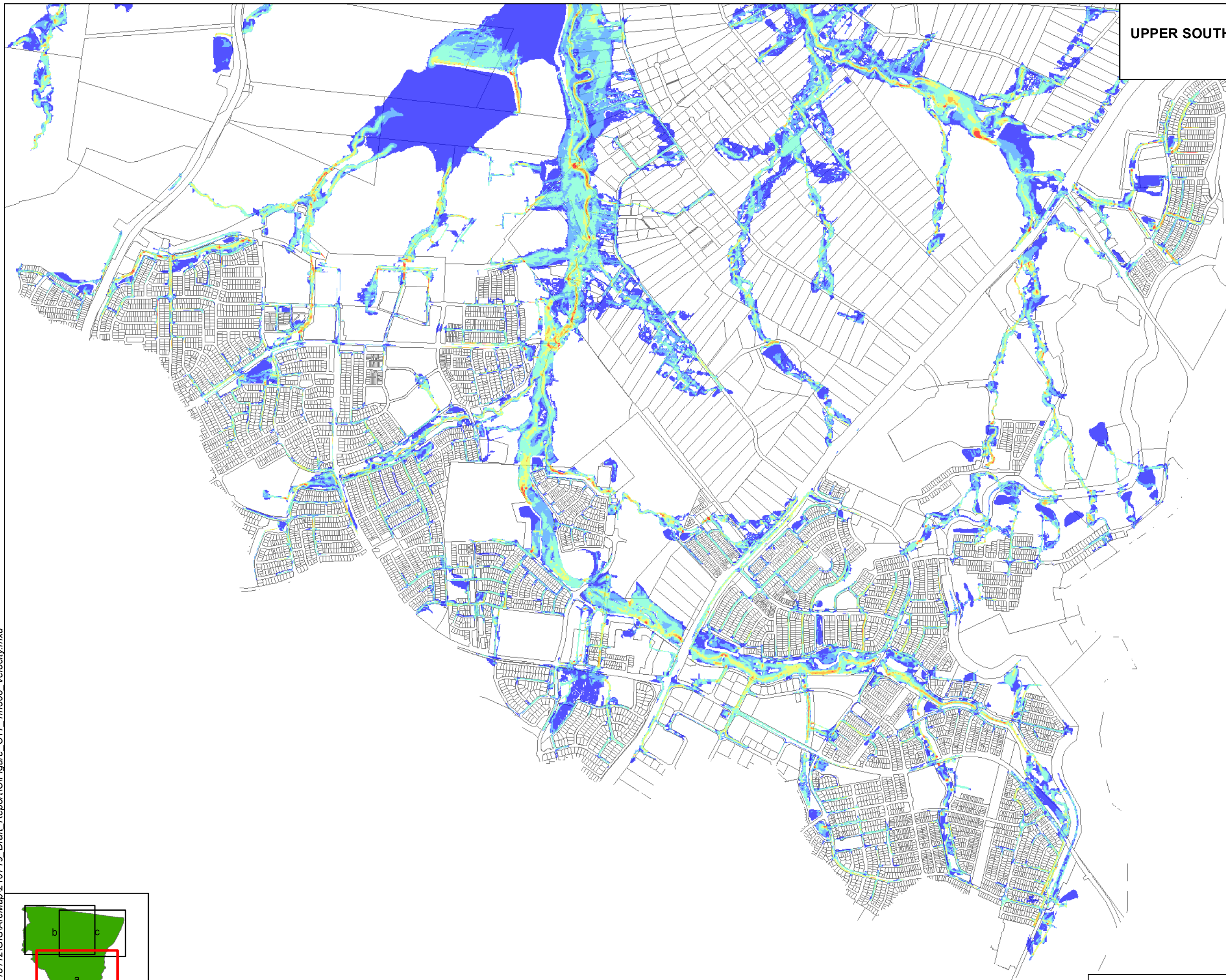


FIGURE C17a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C17_1in500_Velocity.mxd

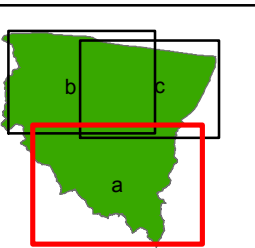


FIGURE C17b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

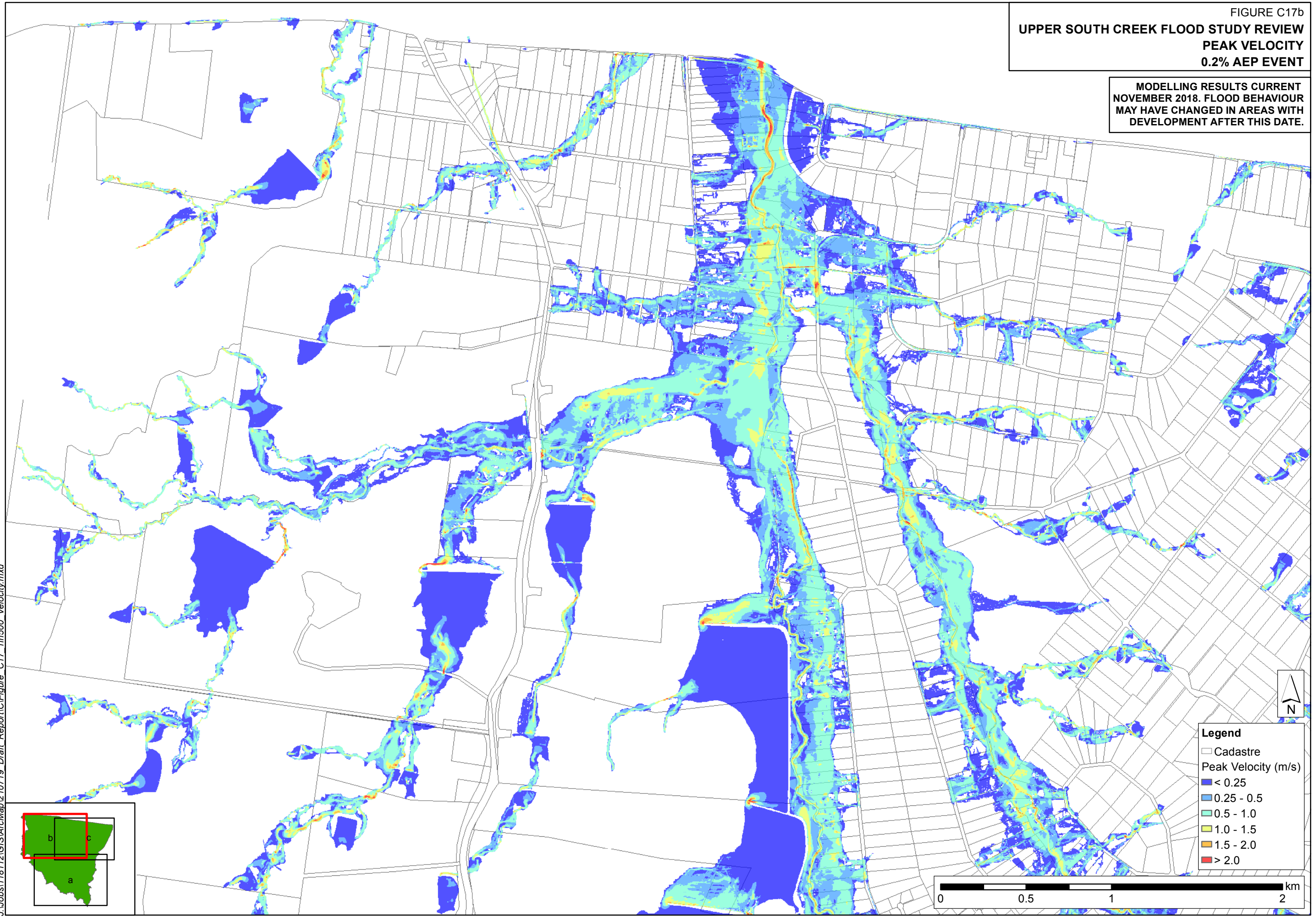
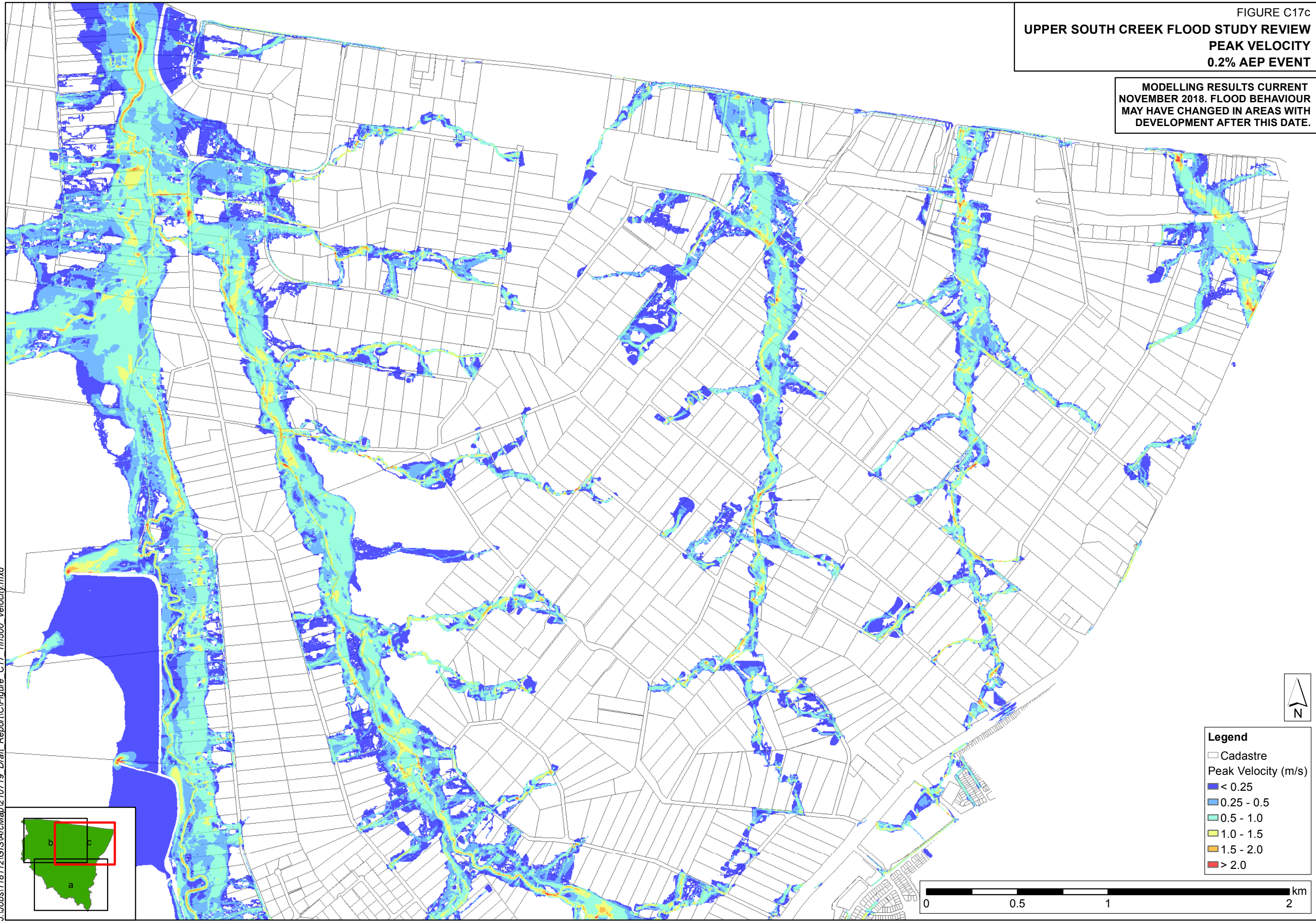
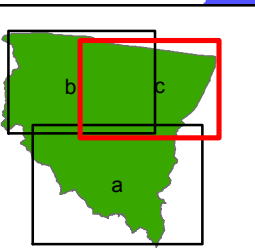


FIGURE C17c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C17_1in500_Velocity.mxd

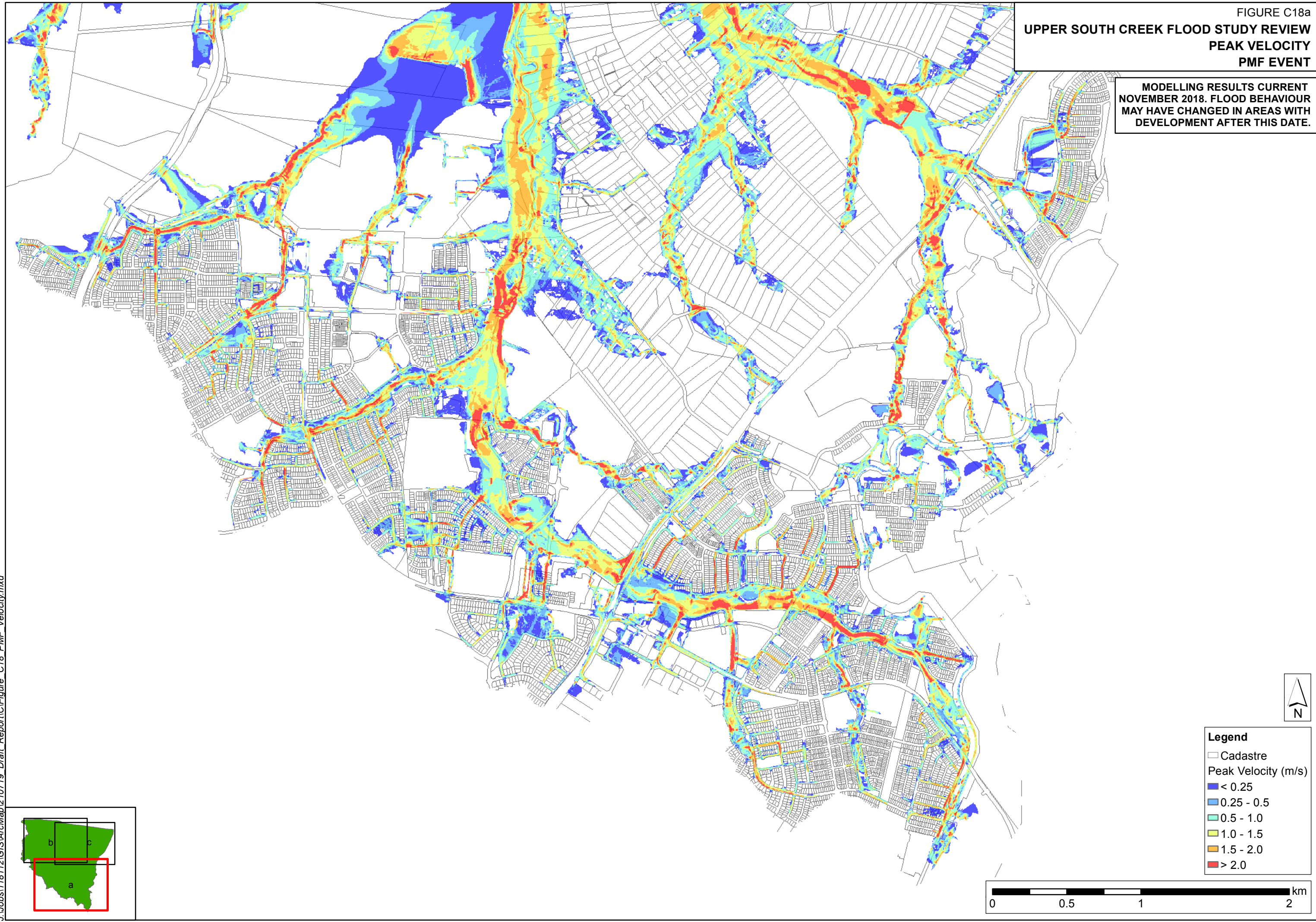


- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - <math>< 0.25</math>
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

0 0.5 1 2 km

FIGURE C18a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



FIGURE C18b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

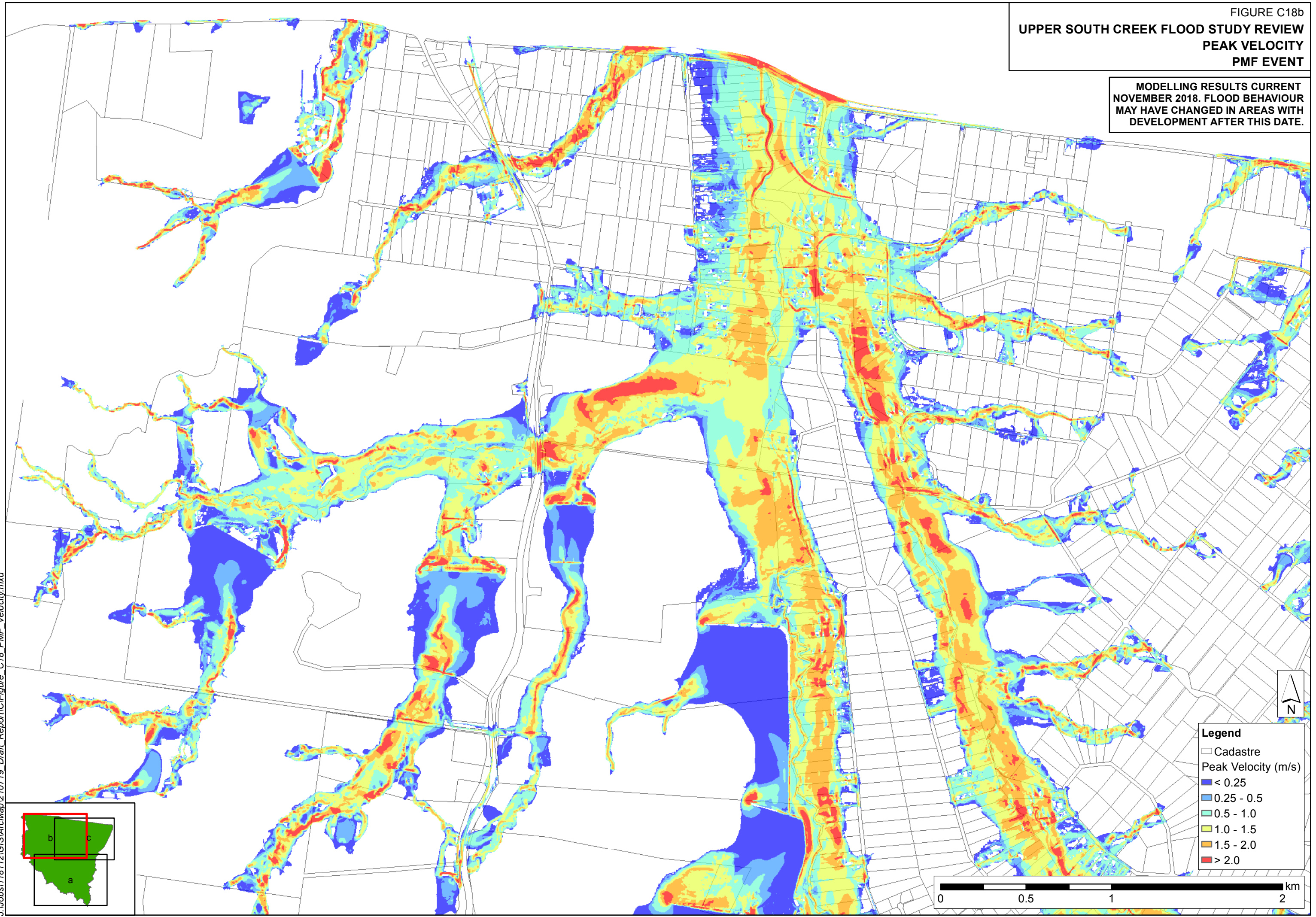
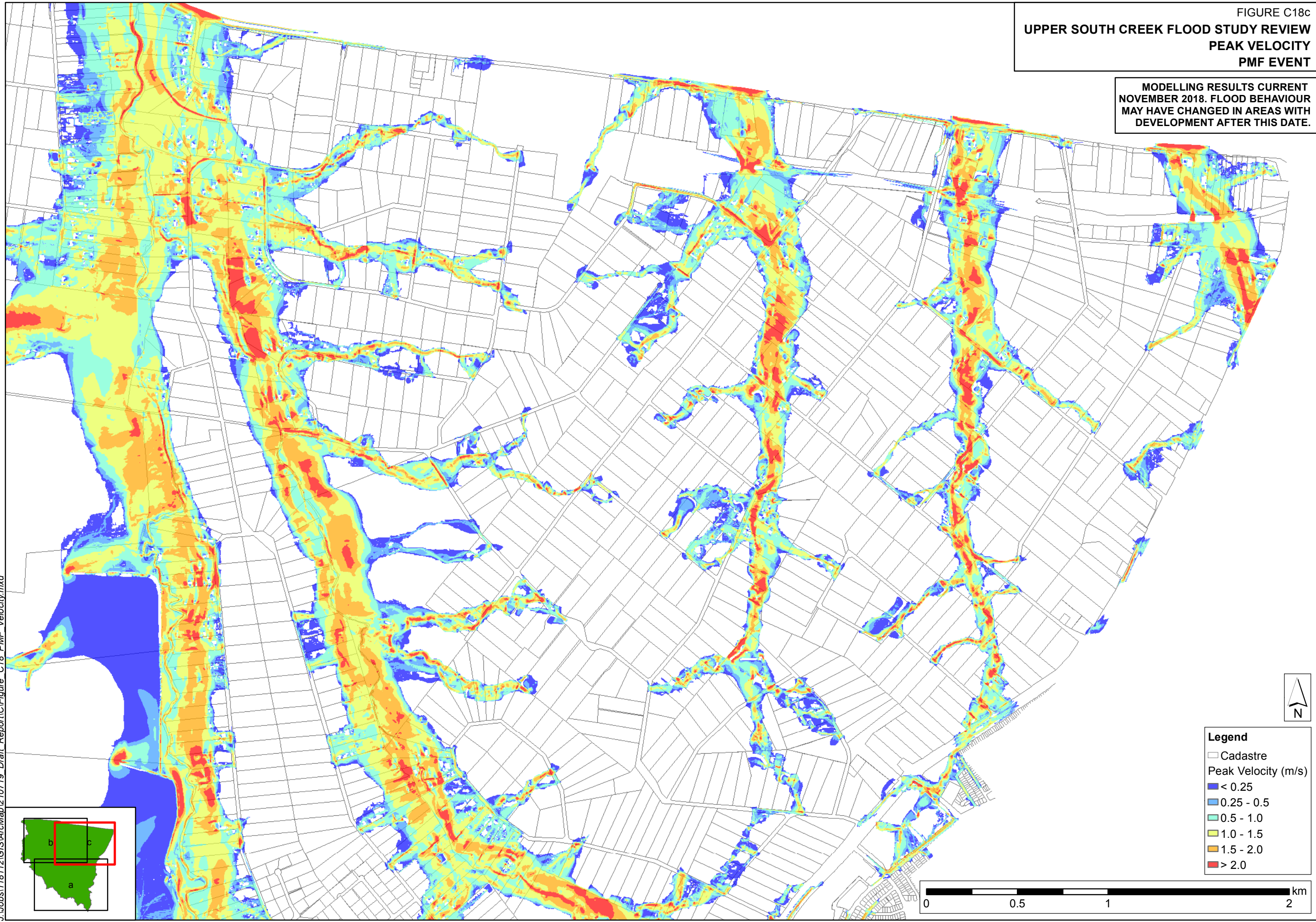
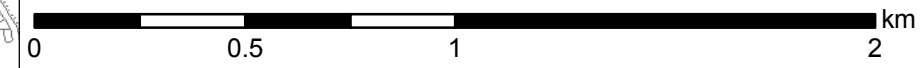


FIGURE C18c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
PEAK VELOCITY
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Peak Velocity (m/s)
 - < 0.25
 - 0.25 - 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C18_PMF_Velocity.mxd

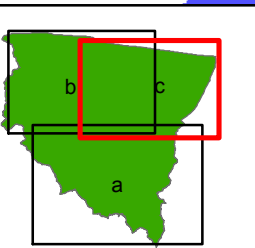
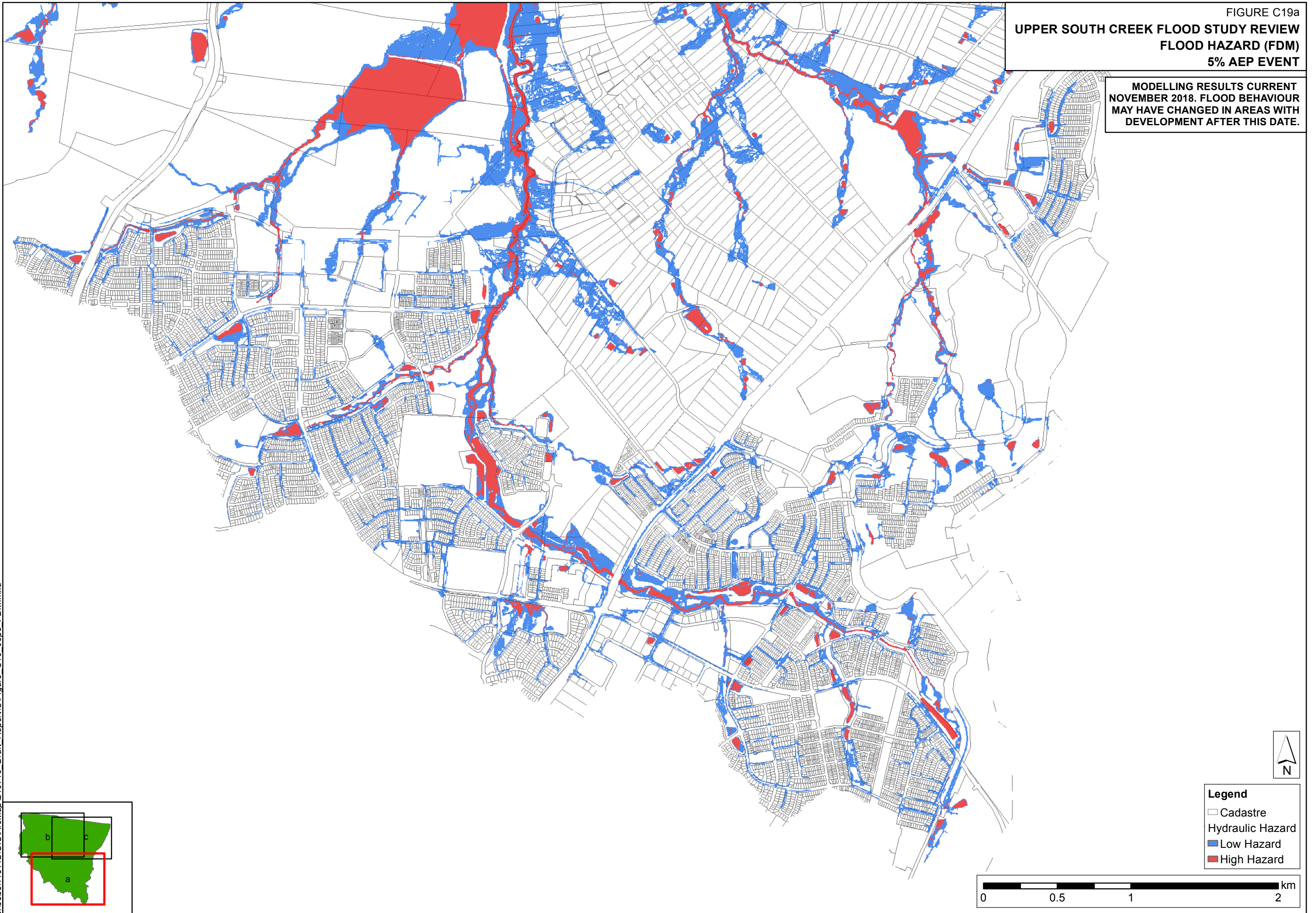
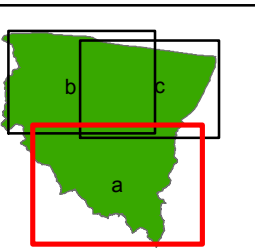


FIGURE C19a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C19_05pc_FDM.mxd

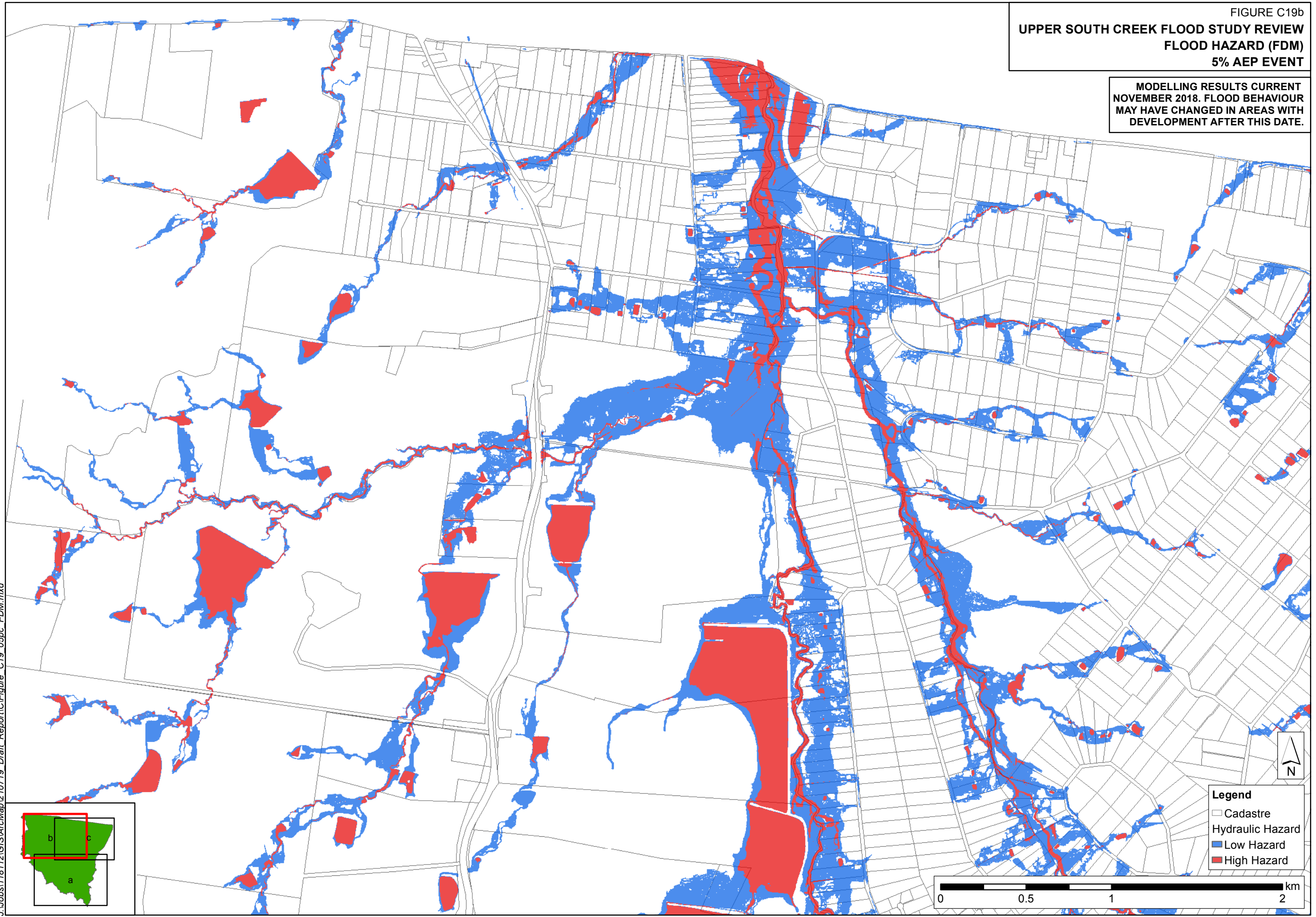


- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

FIGURE C19b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



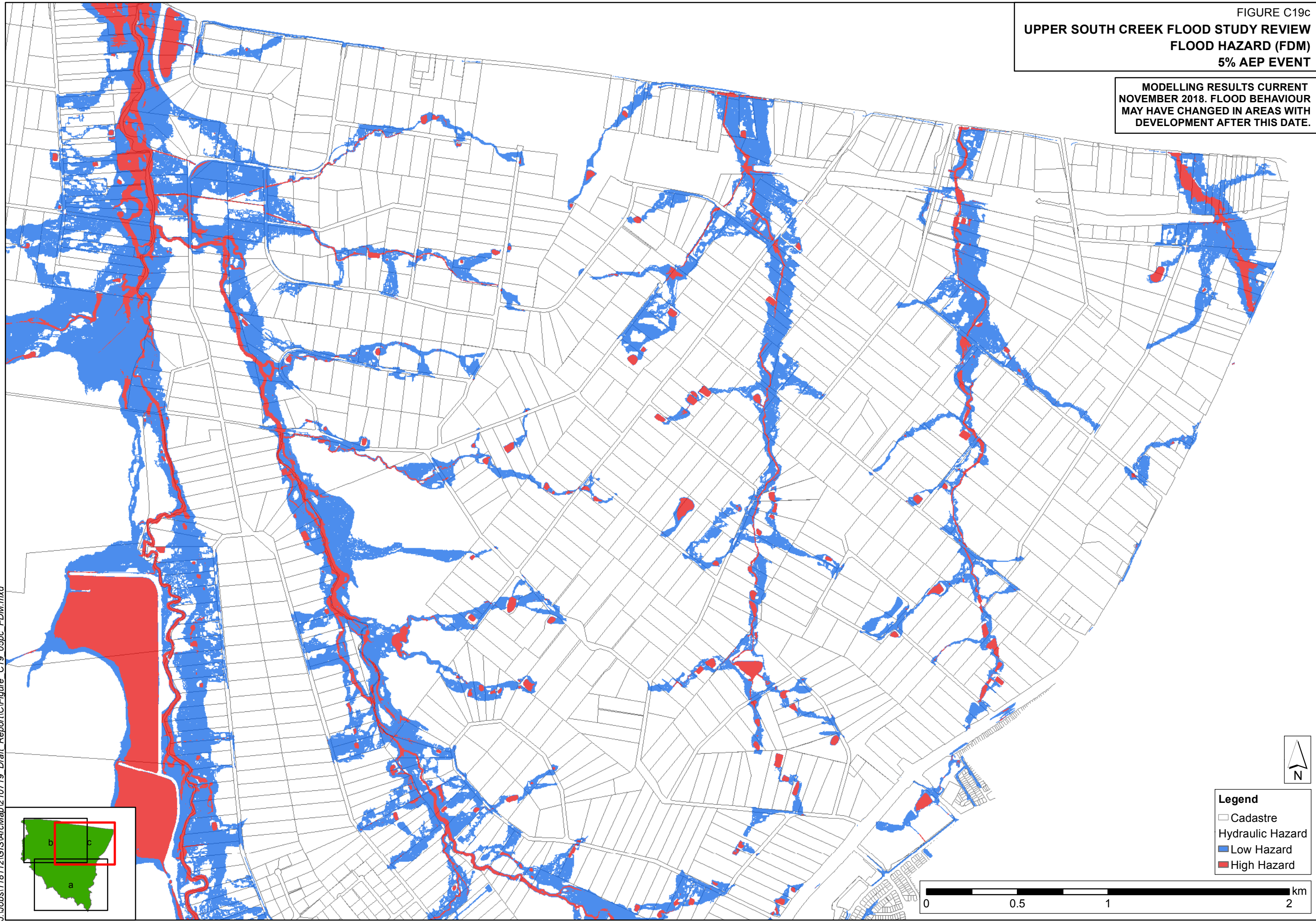
J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C19_05pc_FDM.mxd

- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

FIGURE C19c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C19_05pc_FDM.mxd

FIGURE C20a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

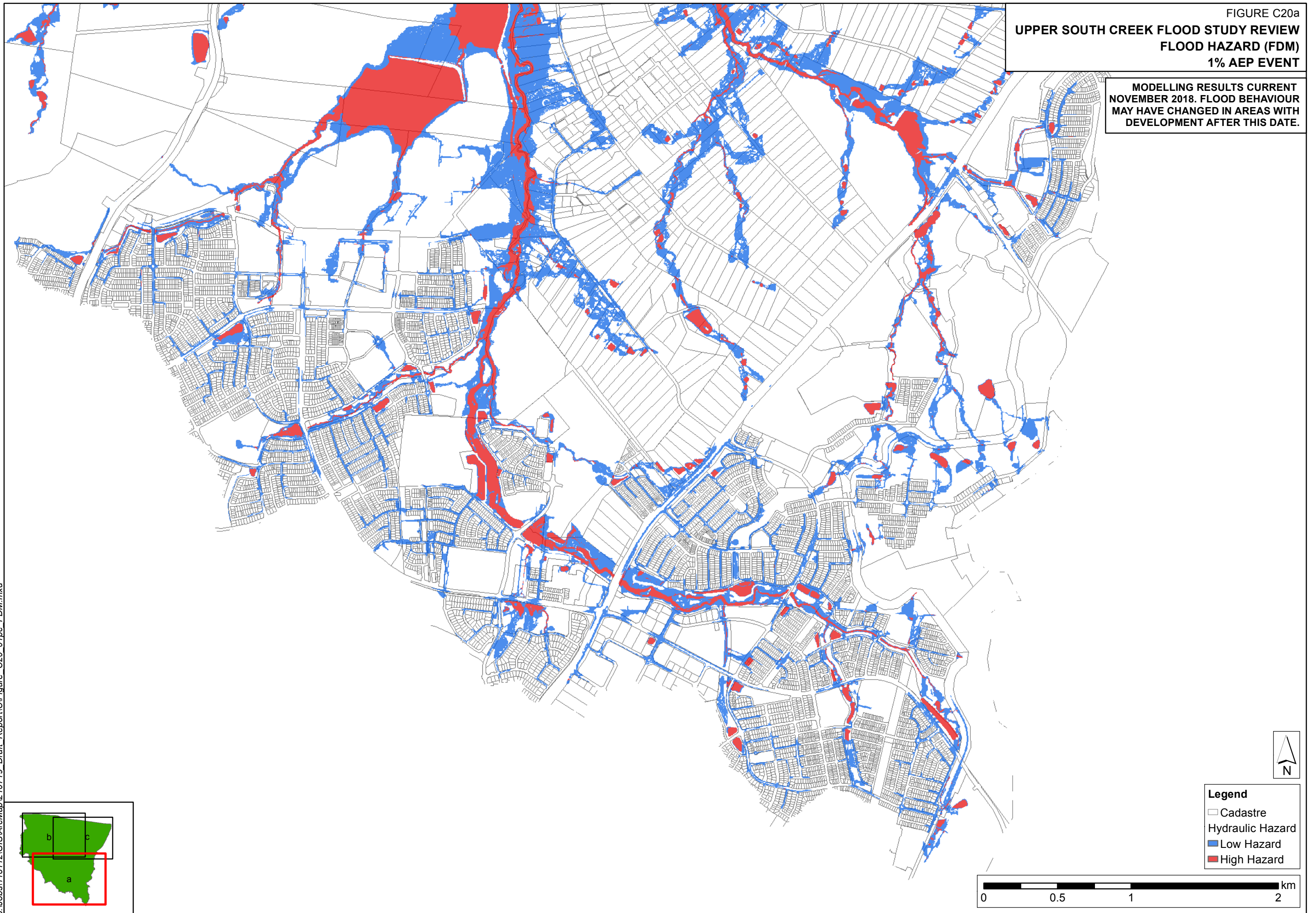
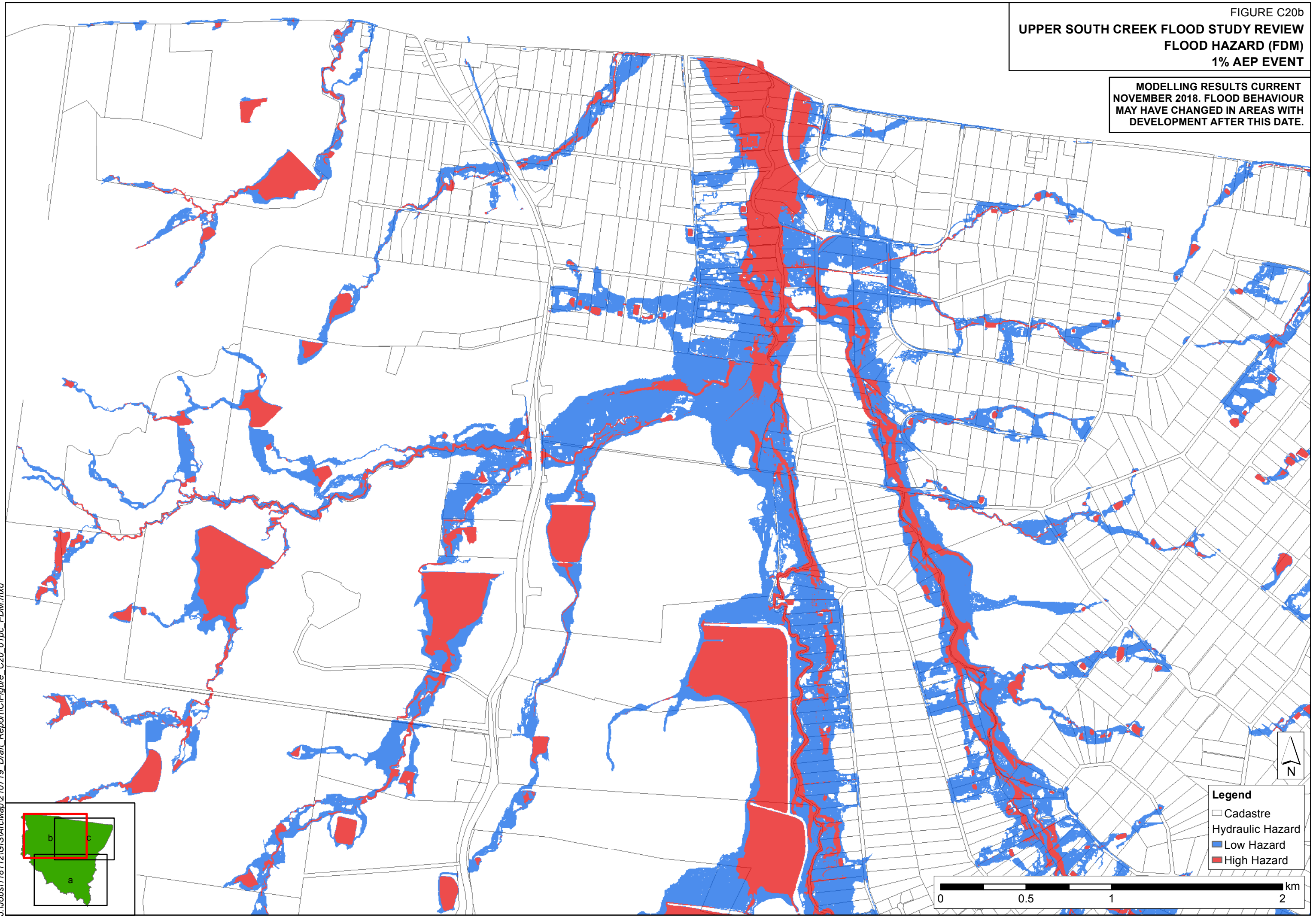


FIGURE C20b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



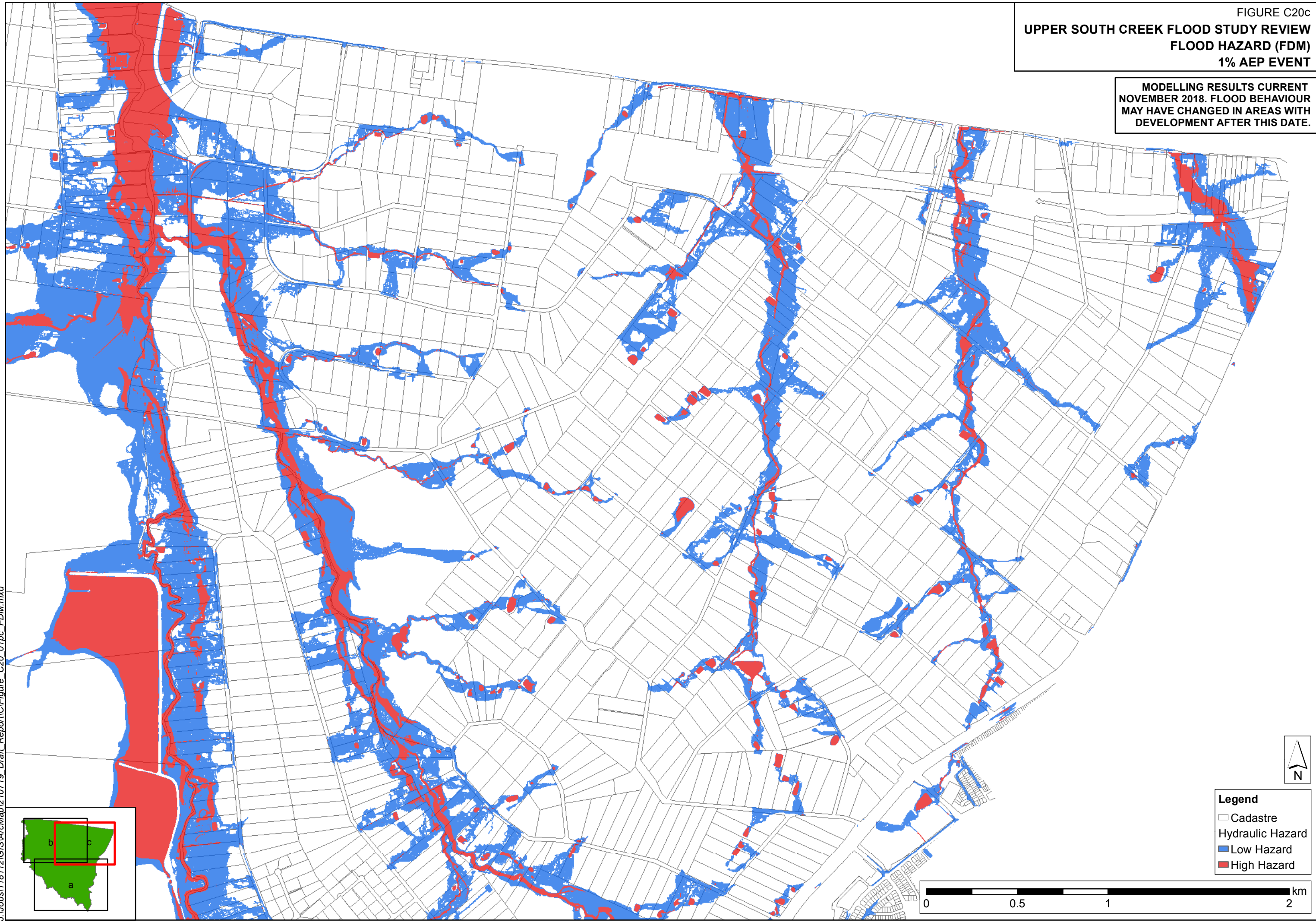
- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard



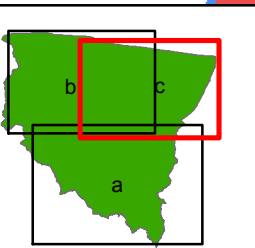
J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C20_01pc_FDM.mxd

FIGURE C20c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C20_01pc_FDM.mxd

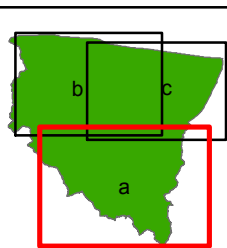
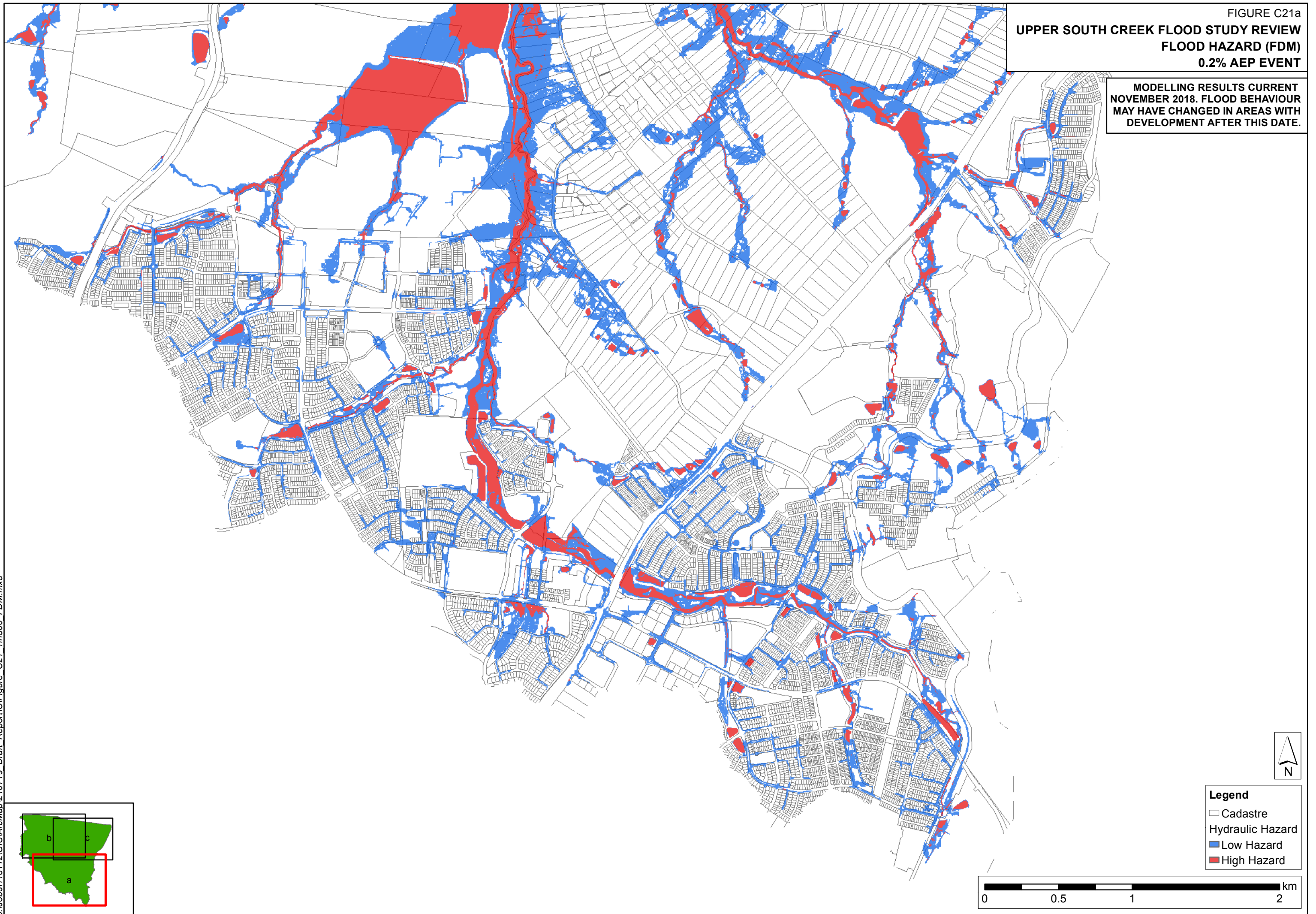


- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

FIGURE C21a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

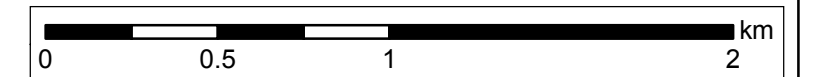
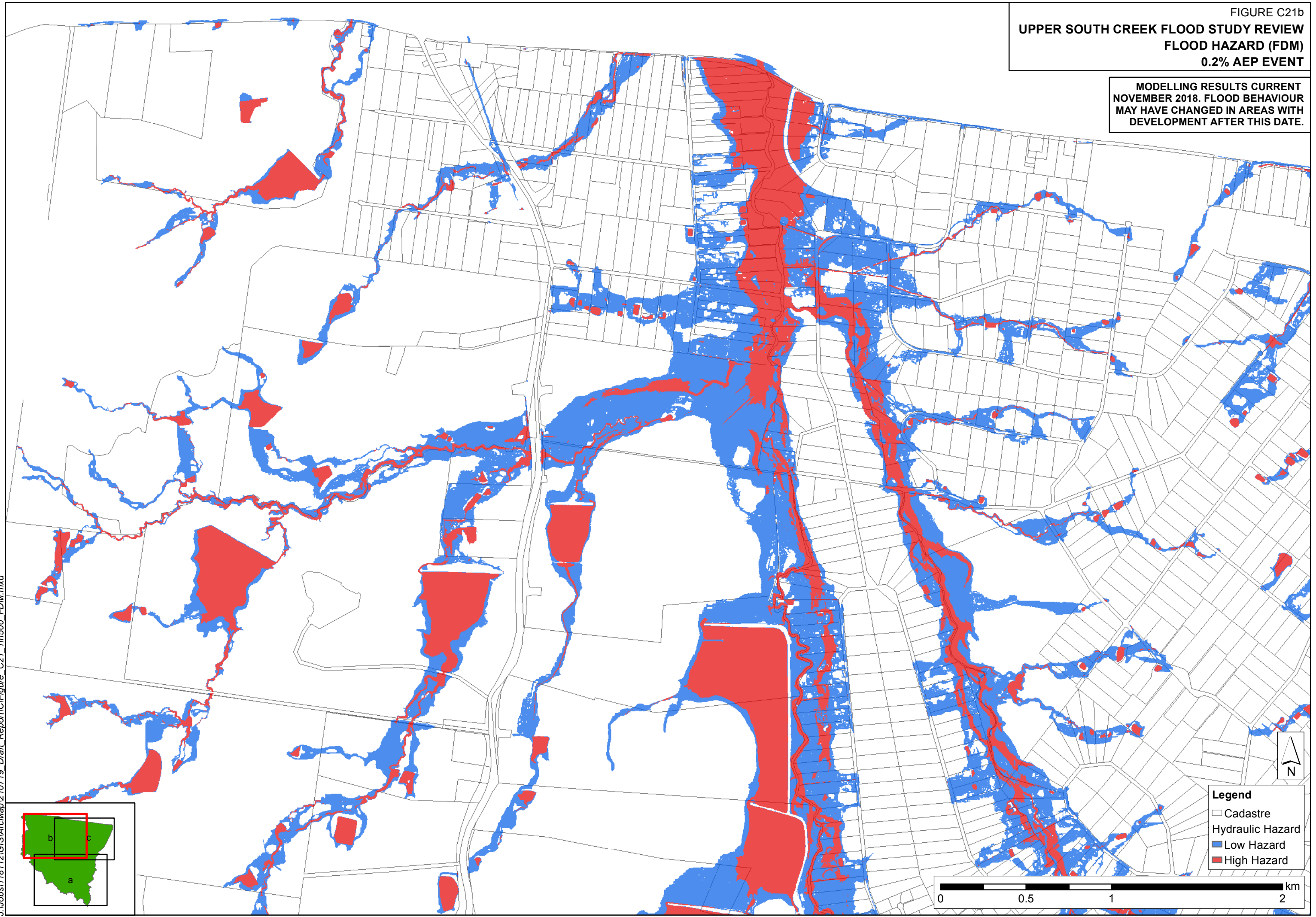


FIGURE C21b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



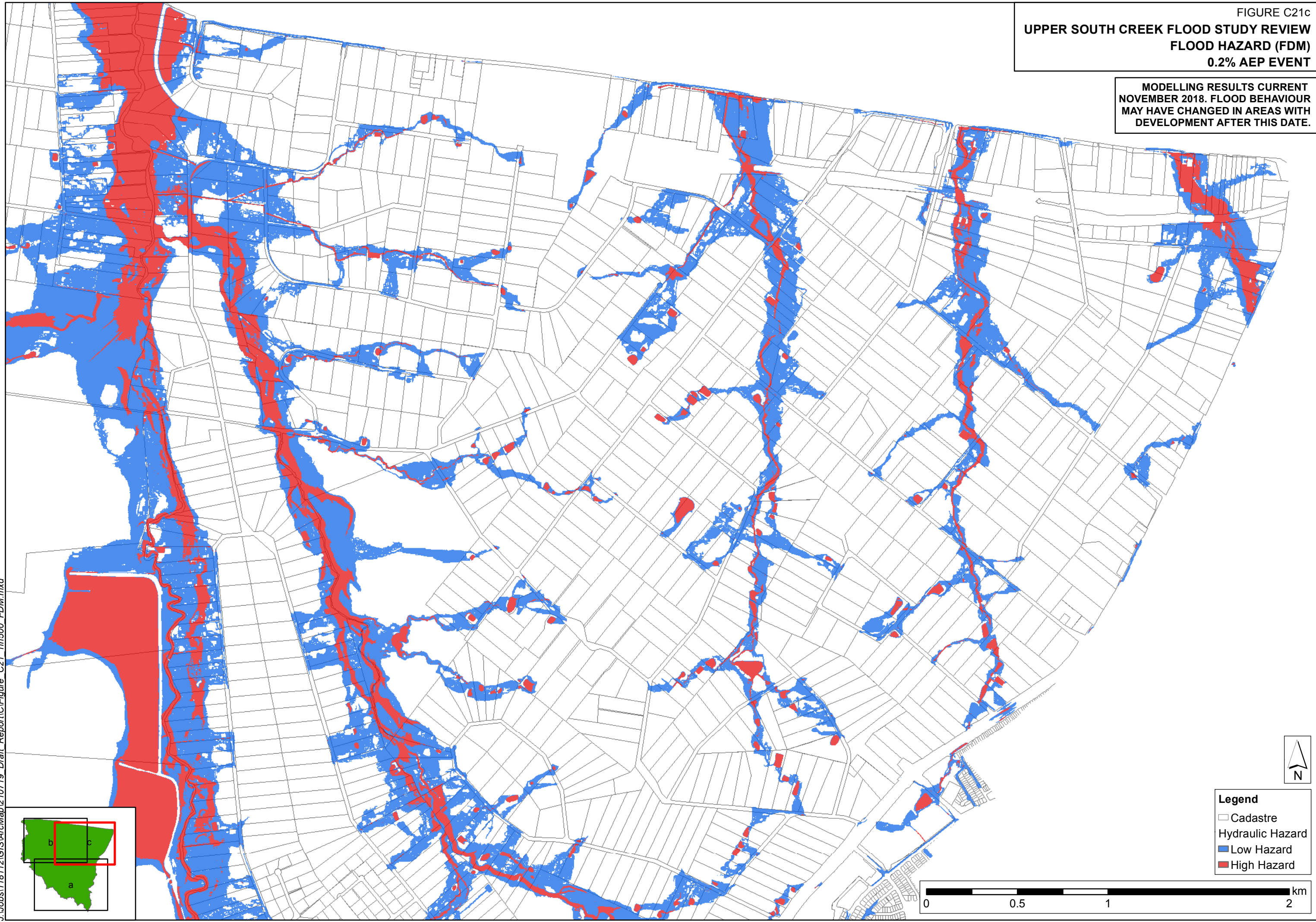
J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C21_1in500_FDM.mxd

- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

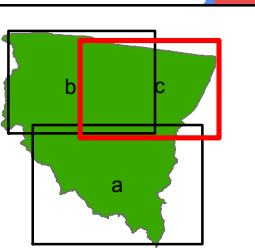
0 0.5 1 2 km

FIGURE C21c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C21_1in500_FDM.mxd

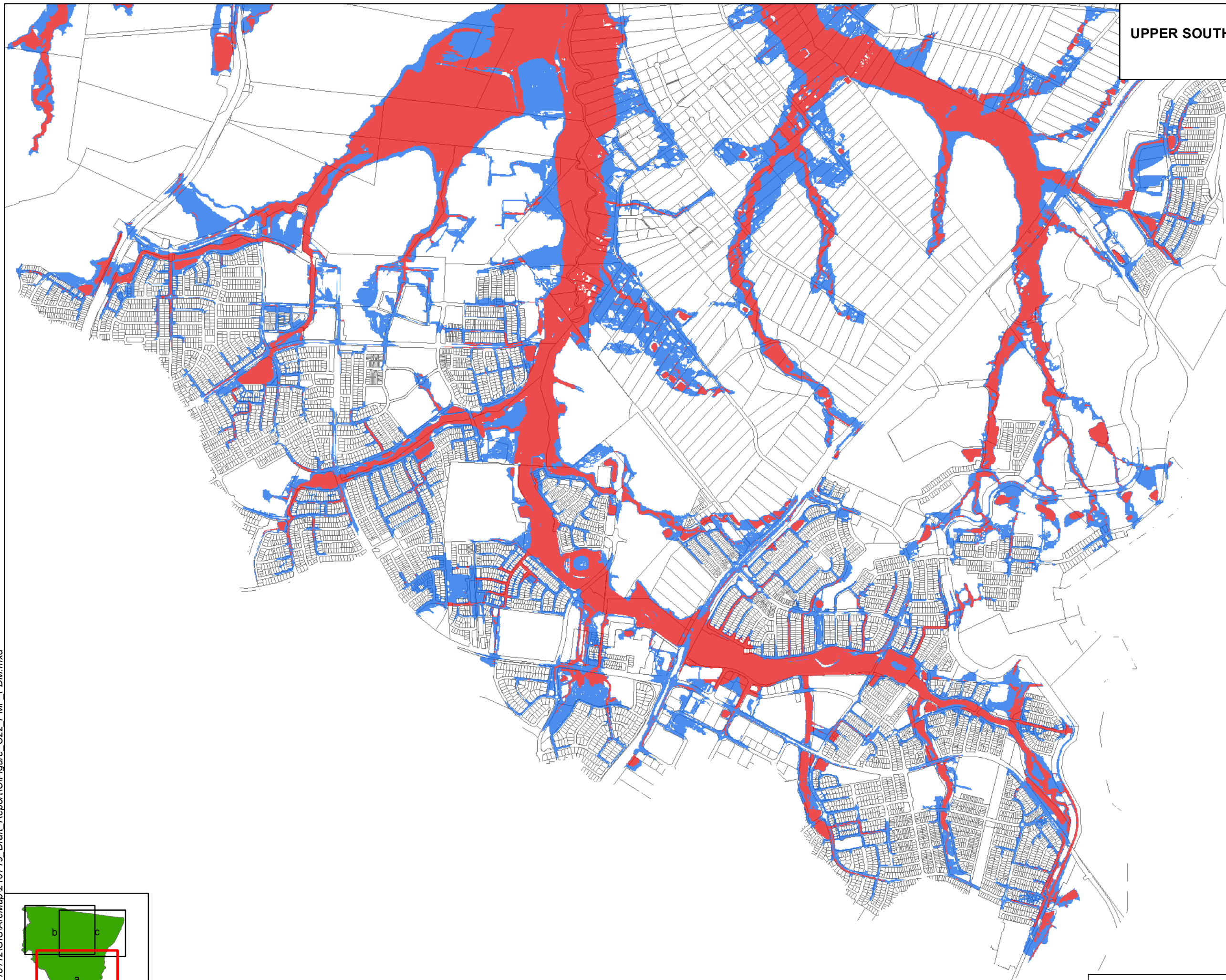


- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

FIGURE C22a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

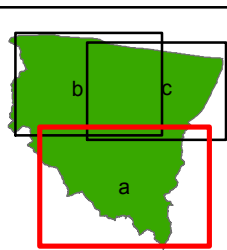
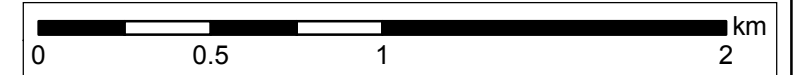
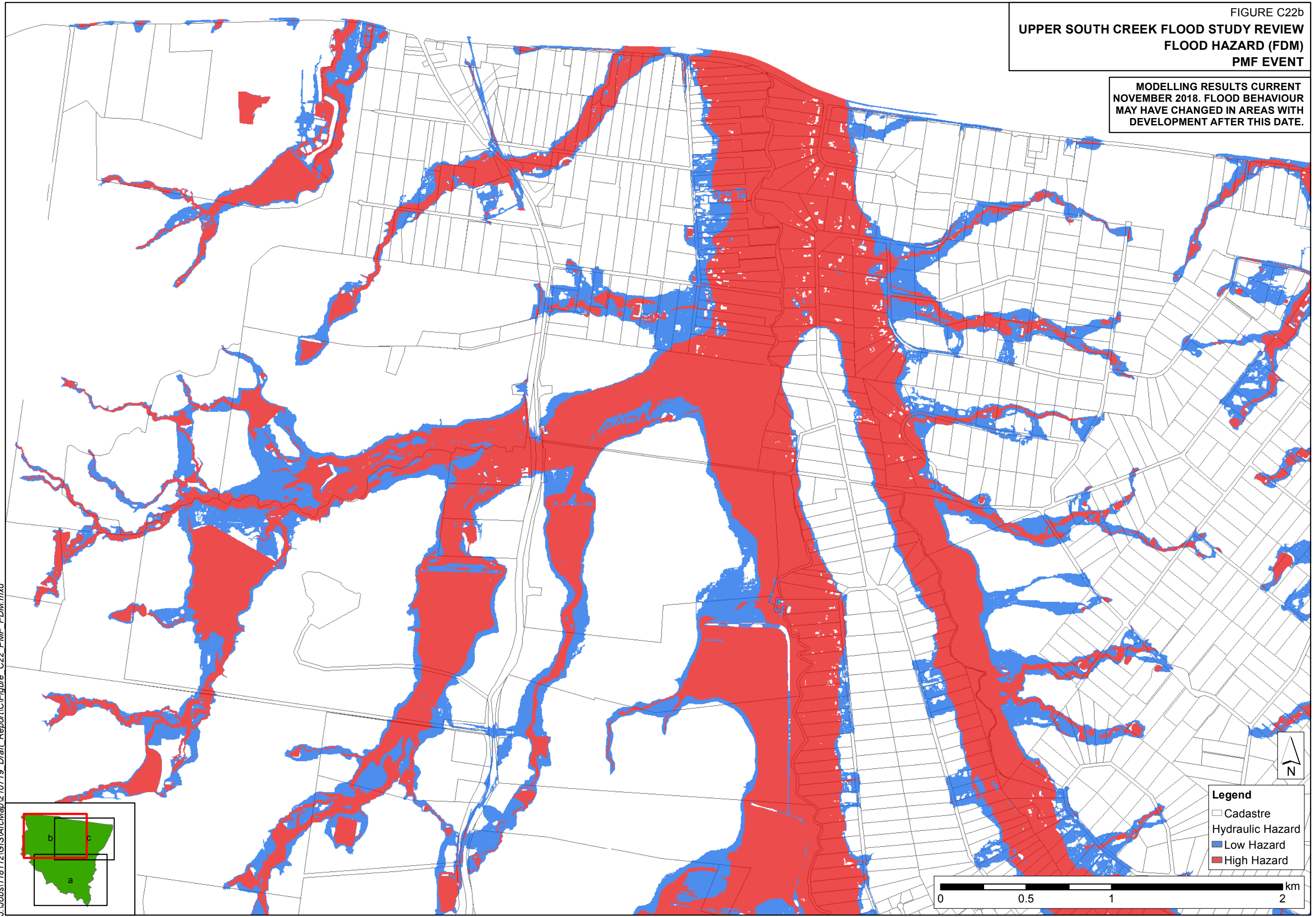


FIGURE C22b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
PMF EVENT

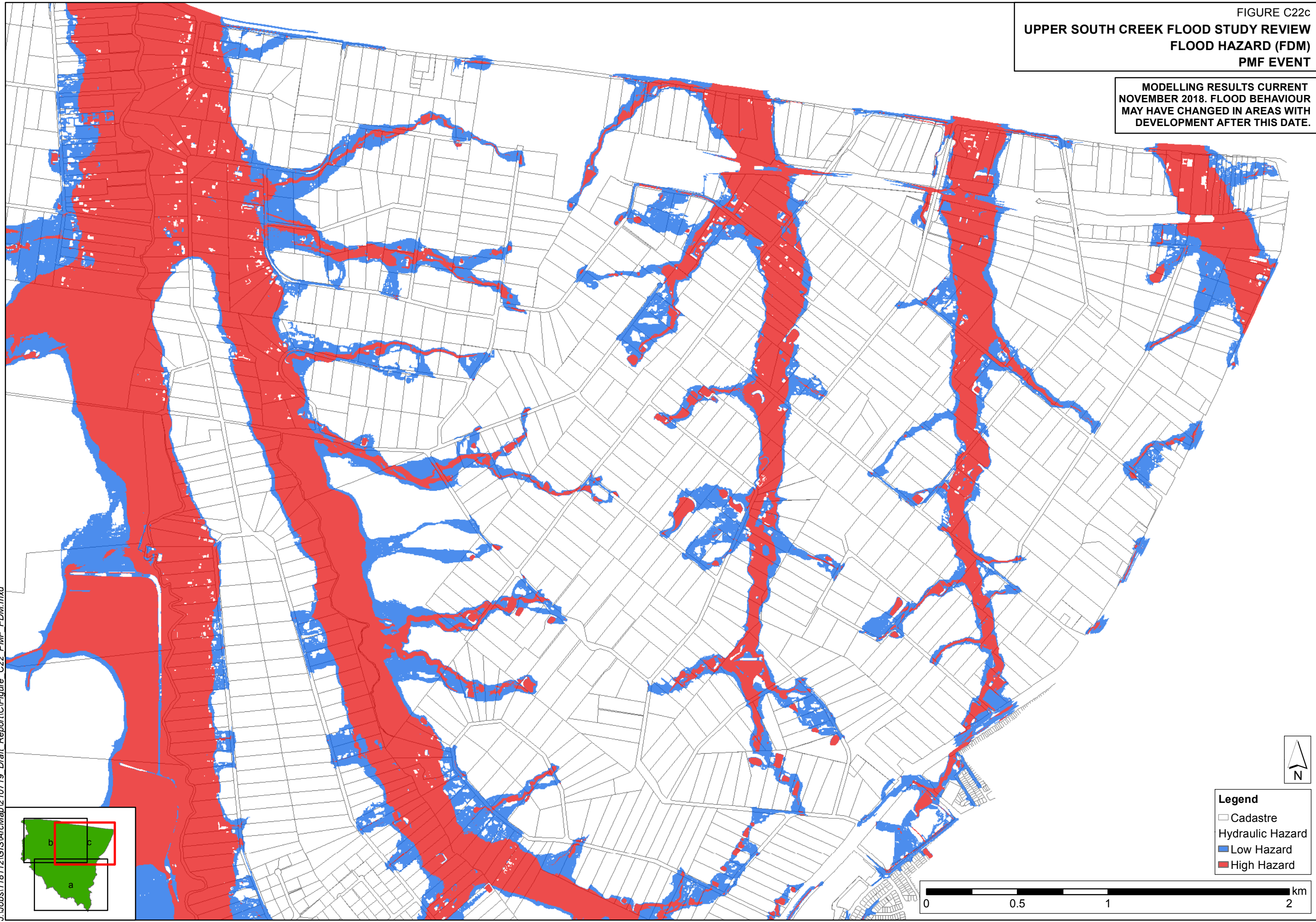
MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C22_PMF_FDM.mxd

FIGURE C22c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (FDM)
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - Low Hazard
 - High Hazard

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\Map2\10719 Draft_Report\C\Figure_C22_PMF_FDM.mxd

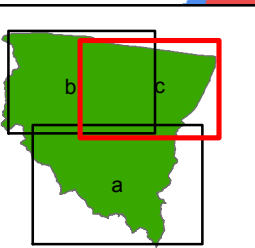
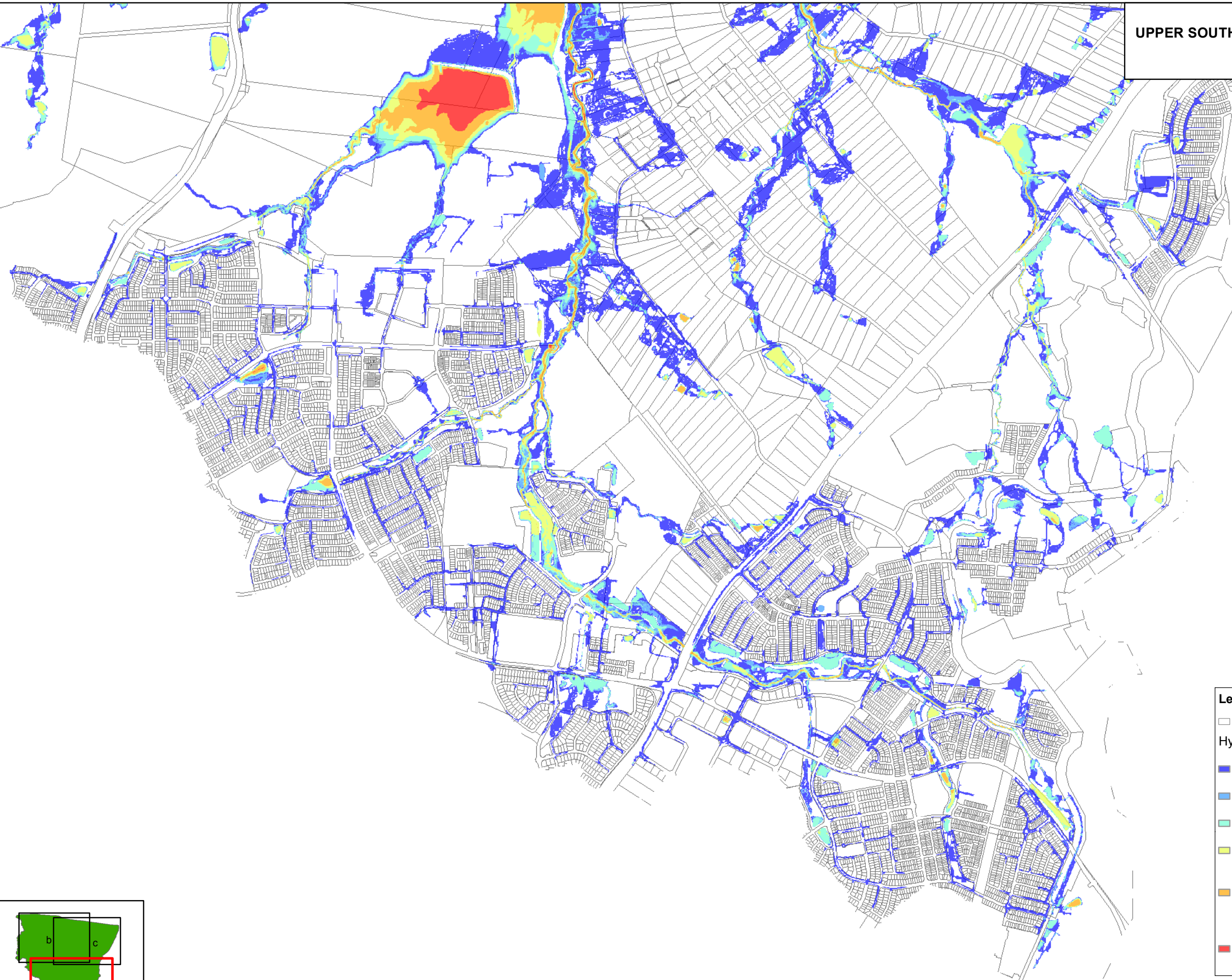
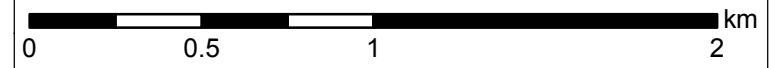


FIGURE C23a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard**
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C23_05pc_ARR.mxd

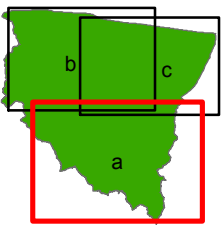
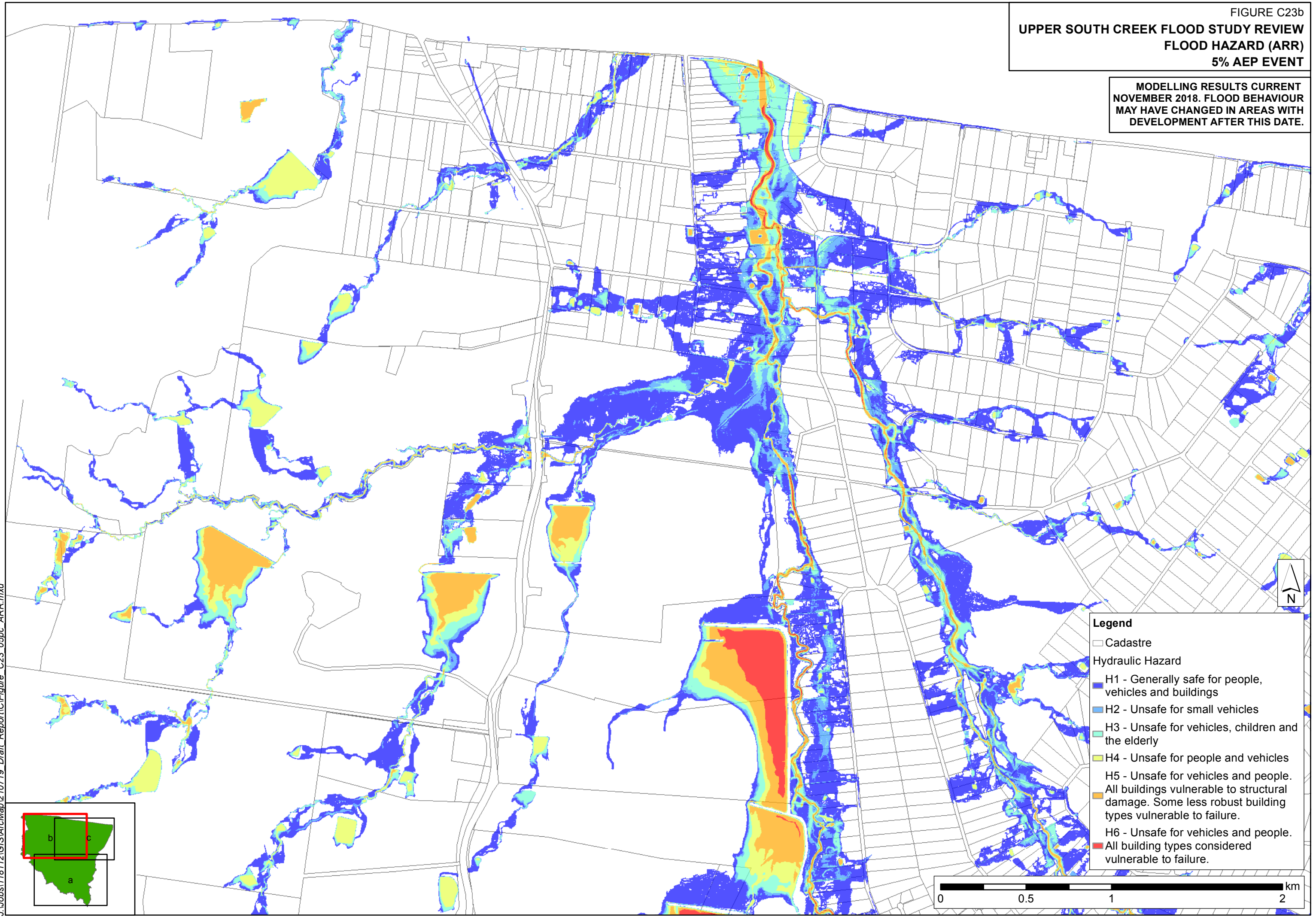


FIGURE C23b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



Legend

- Cadastre
- Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

J:\Jobs\118112\GIS\ArcMap\Map1210719_Draft_Report\C\Figure_C23_05pc_ARR.mxd

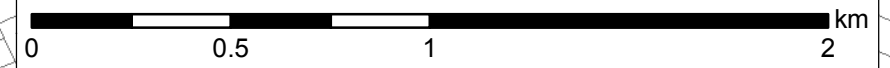
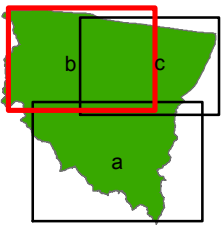
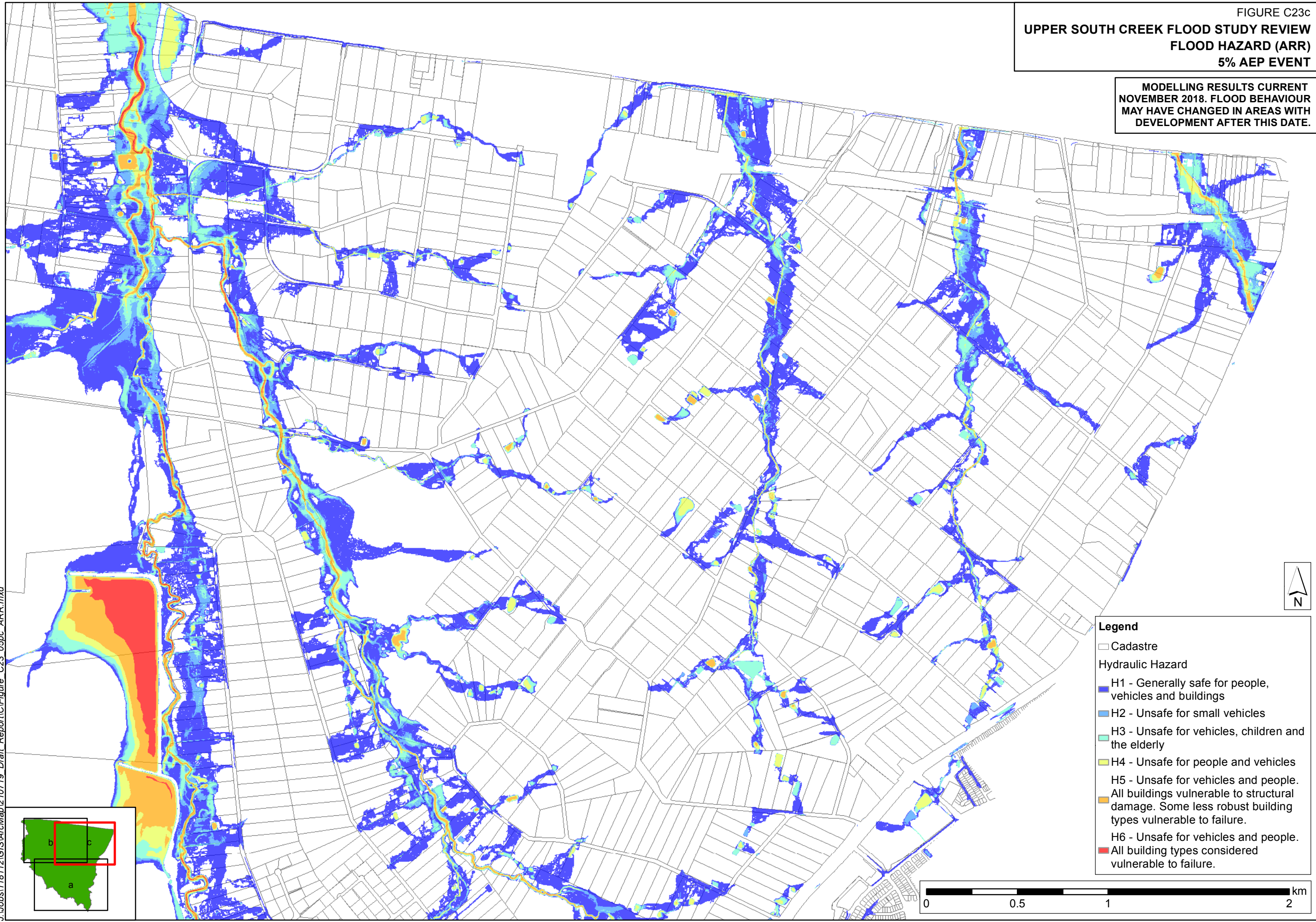


FIGURE C23c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
5% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C23_05pc_ARR.mxd

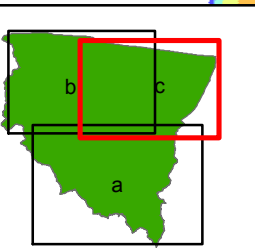
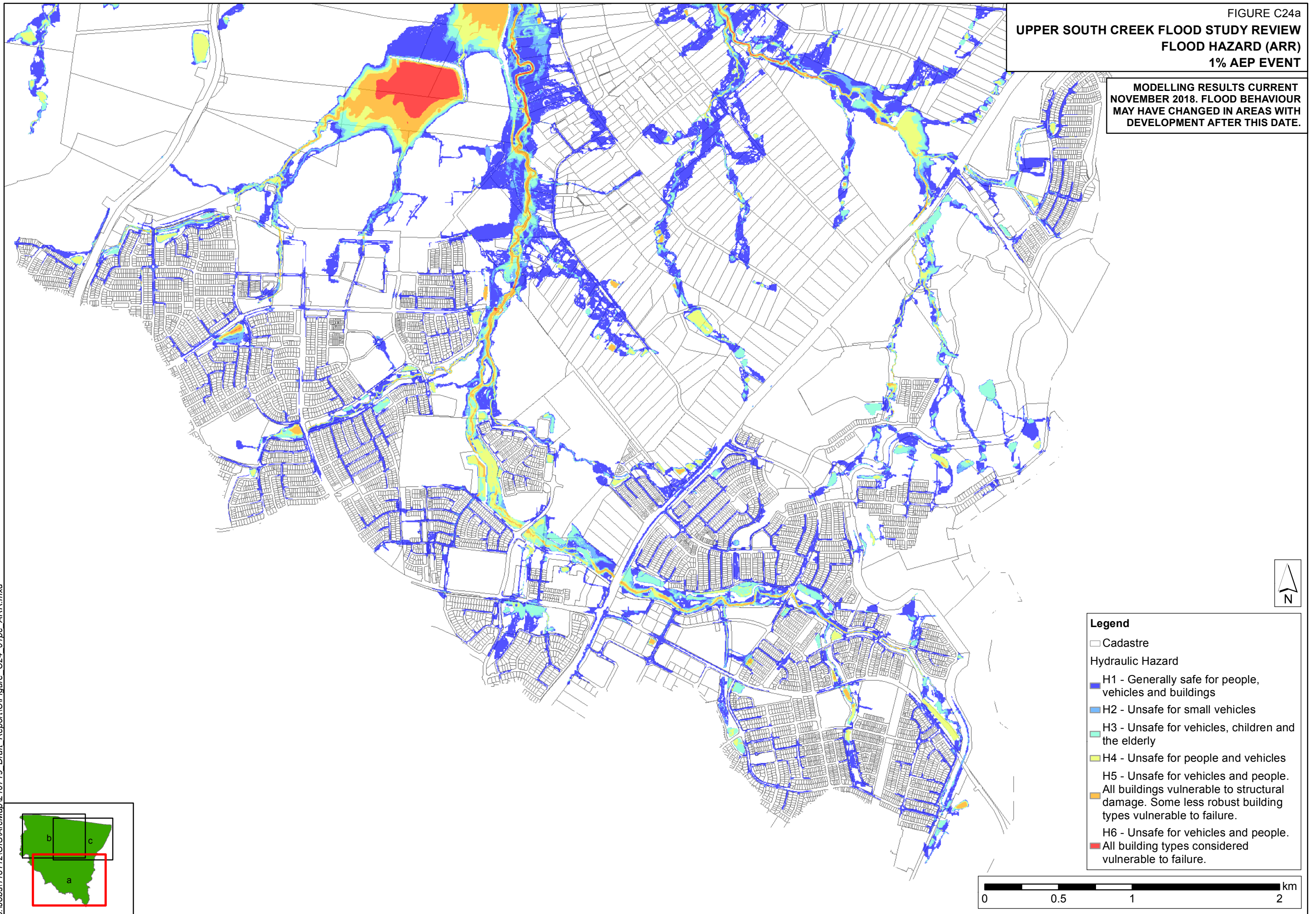


FIGURE C24a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
1% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.

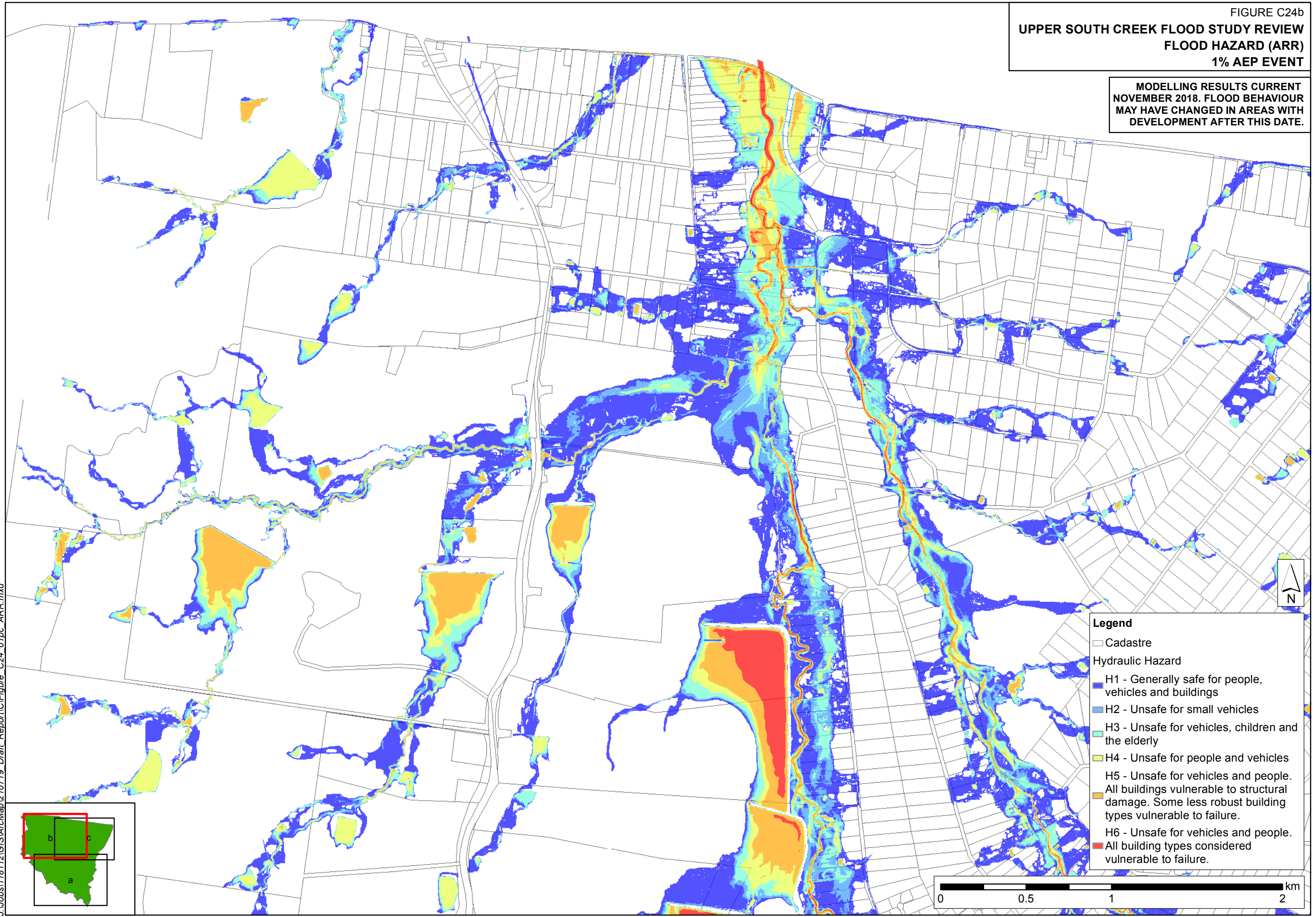


- Legend**
- Cadastre
 - Hydraulic Hazard**
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

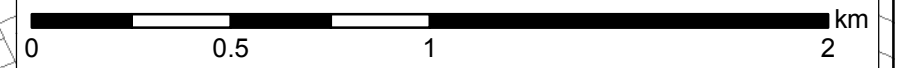
J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C24_01pc_ARR.mxd

FIGURE C24b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C24_01pc_ARR.mxd

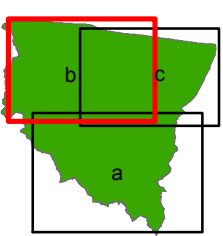
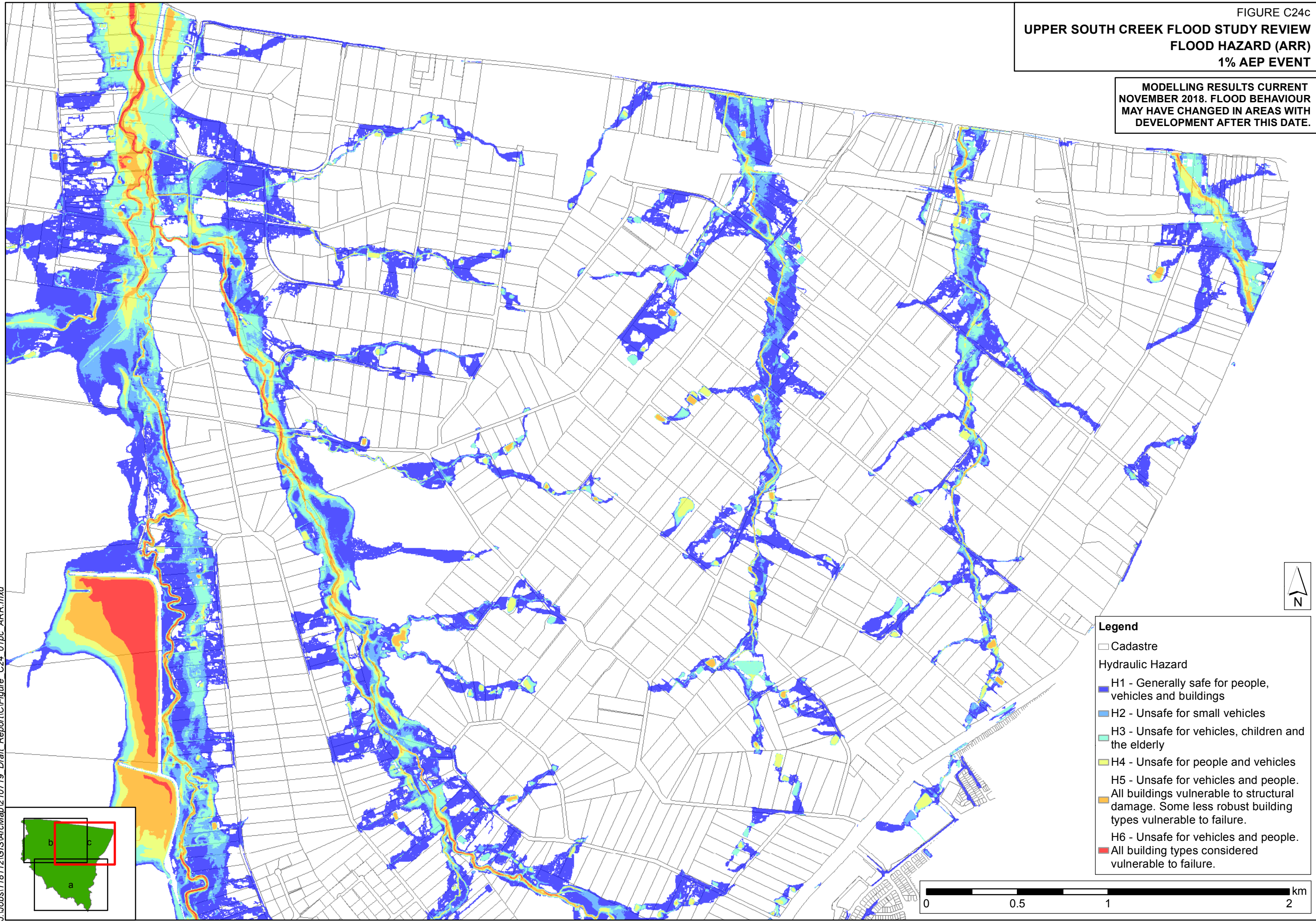


FIGURE C24c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

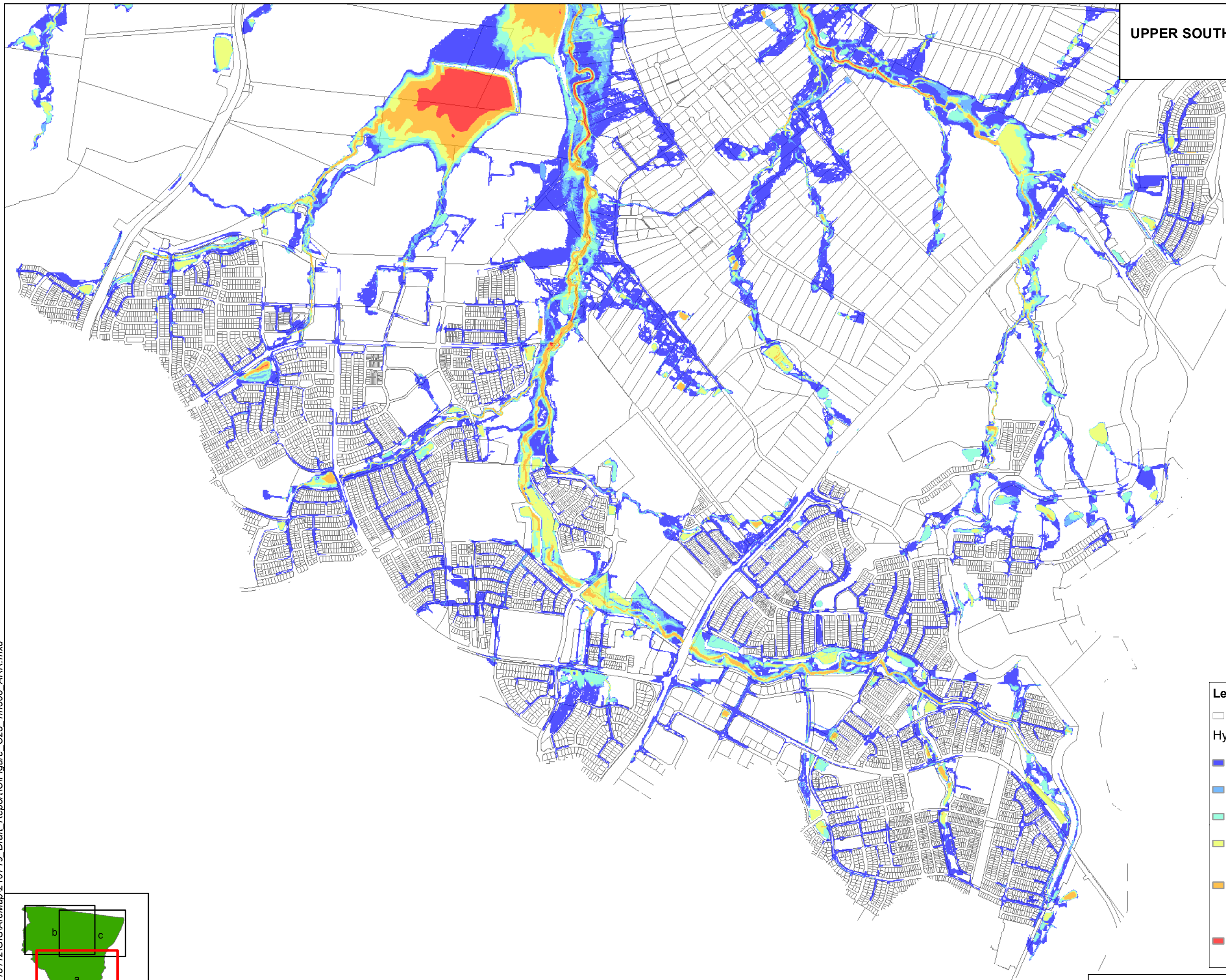


- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C24_01pc_ARR.mxd

FIGURE C25a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



Legend

□ Cadastre

Hydraulic Hazard

■ H1 - Generally safe for people, vehicles and buildings

■ H2 - Unsafe for small vehicles

■ H3 - Unsafe for vehicles, children and the elderly

■ H4 - Unsafe for people and vehicles

■ H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.

■ H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

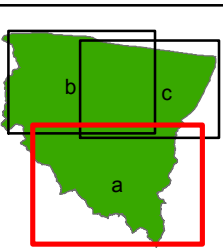
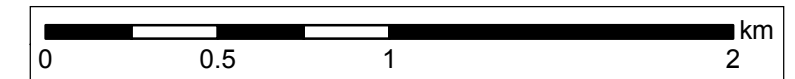
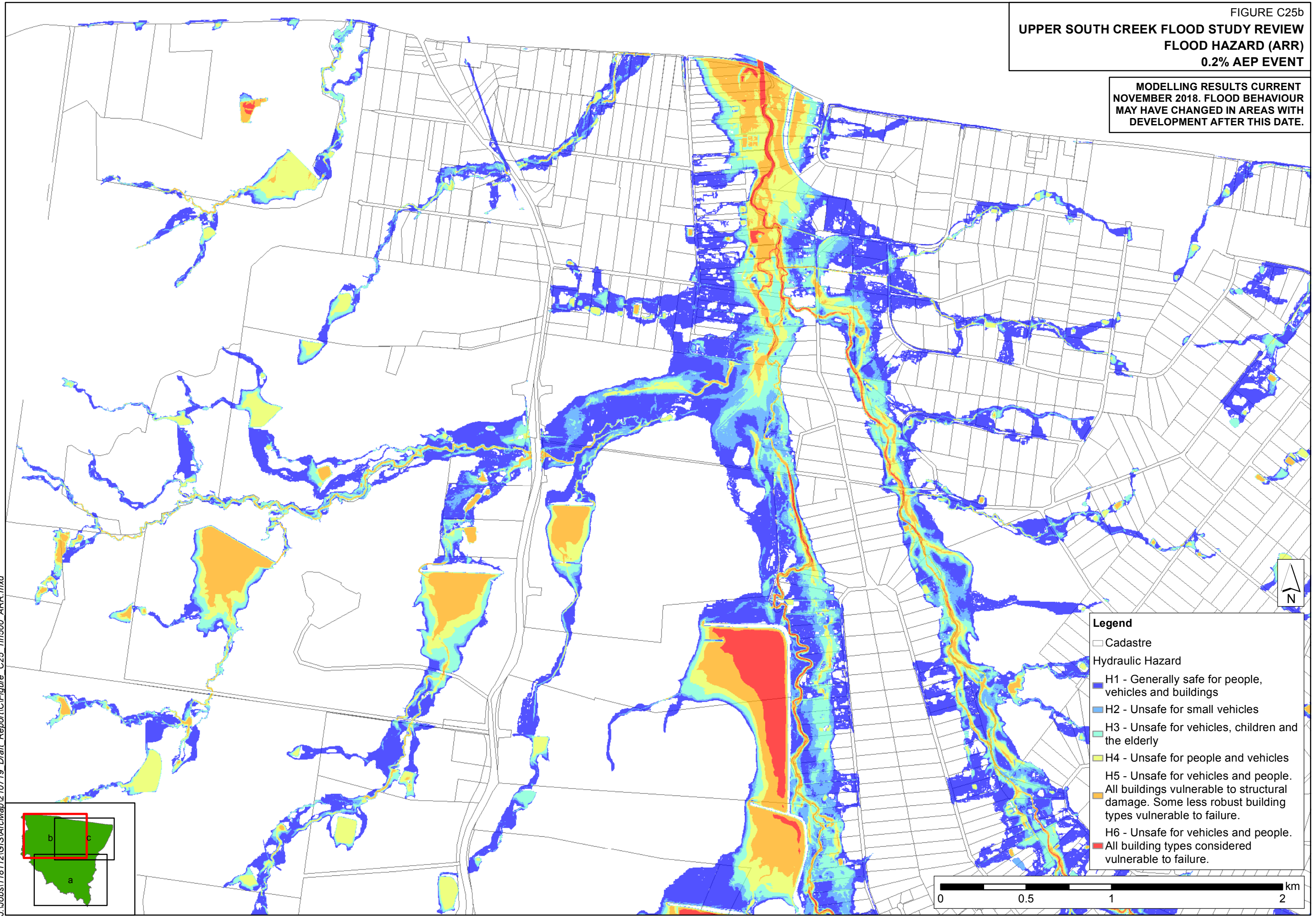
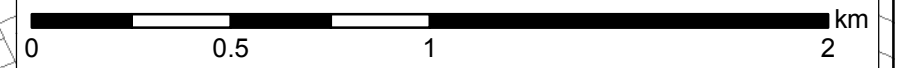


FIGURE C25b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.



J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C25_1in500_ARR.mxd

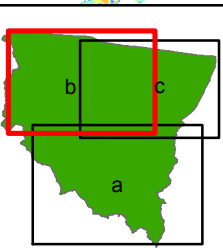
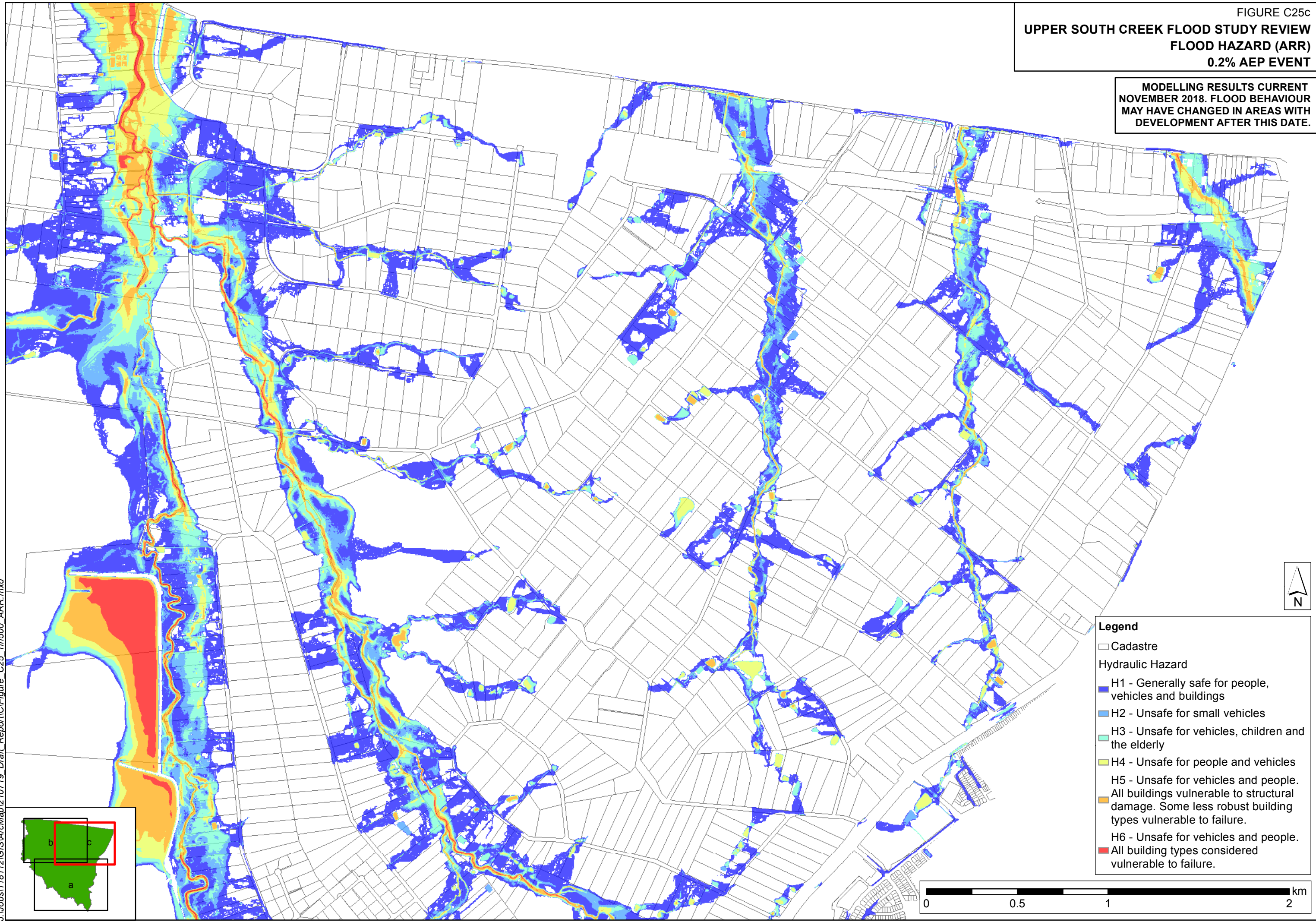


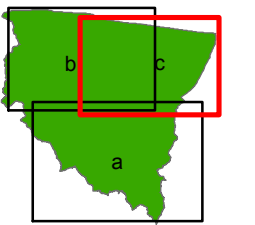
FIGURE C25c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
0.2% AEP EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

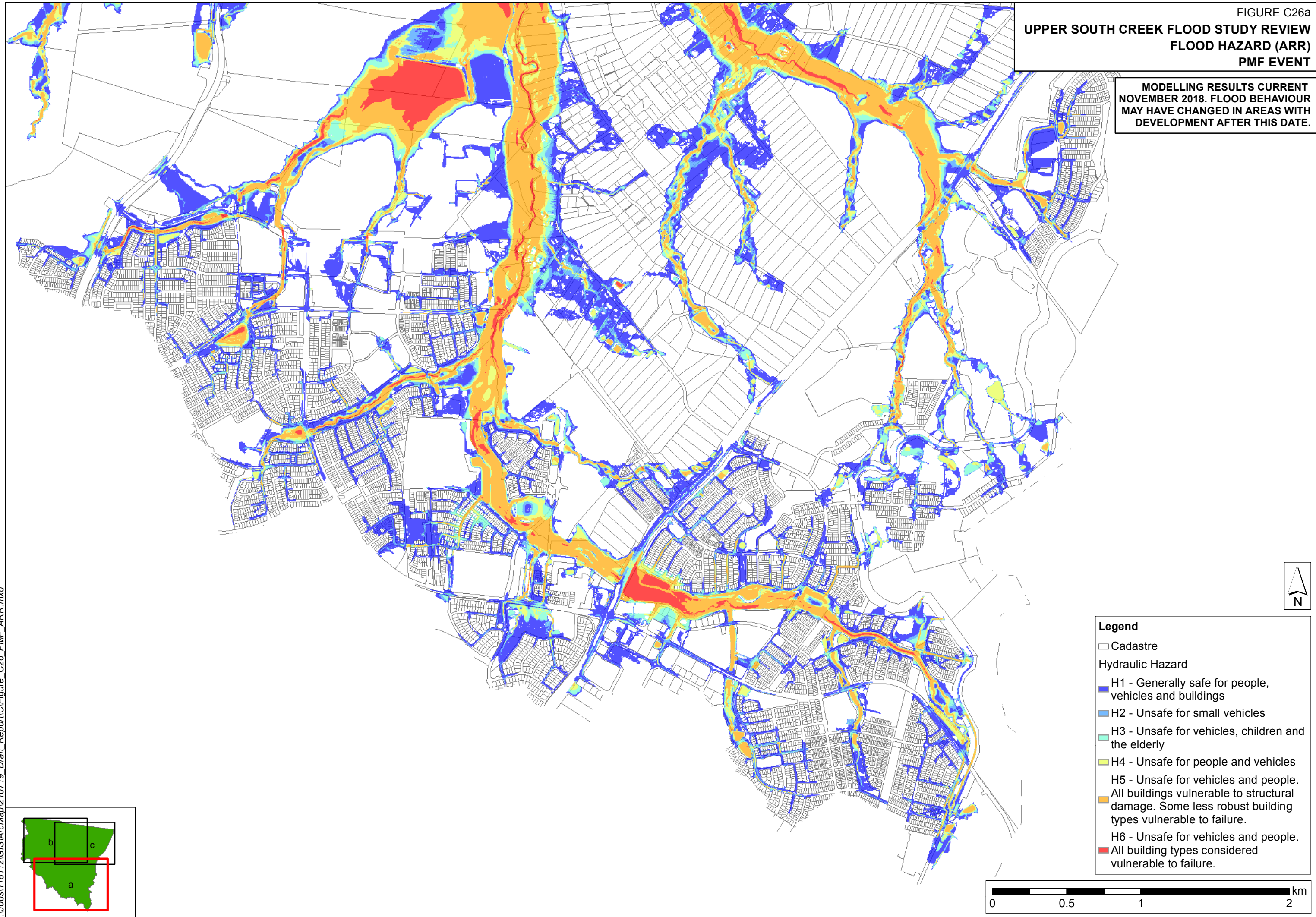
J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C25_1in500_ARR.mxd



0 0.5 1 2 km

FIGURE C26a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

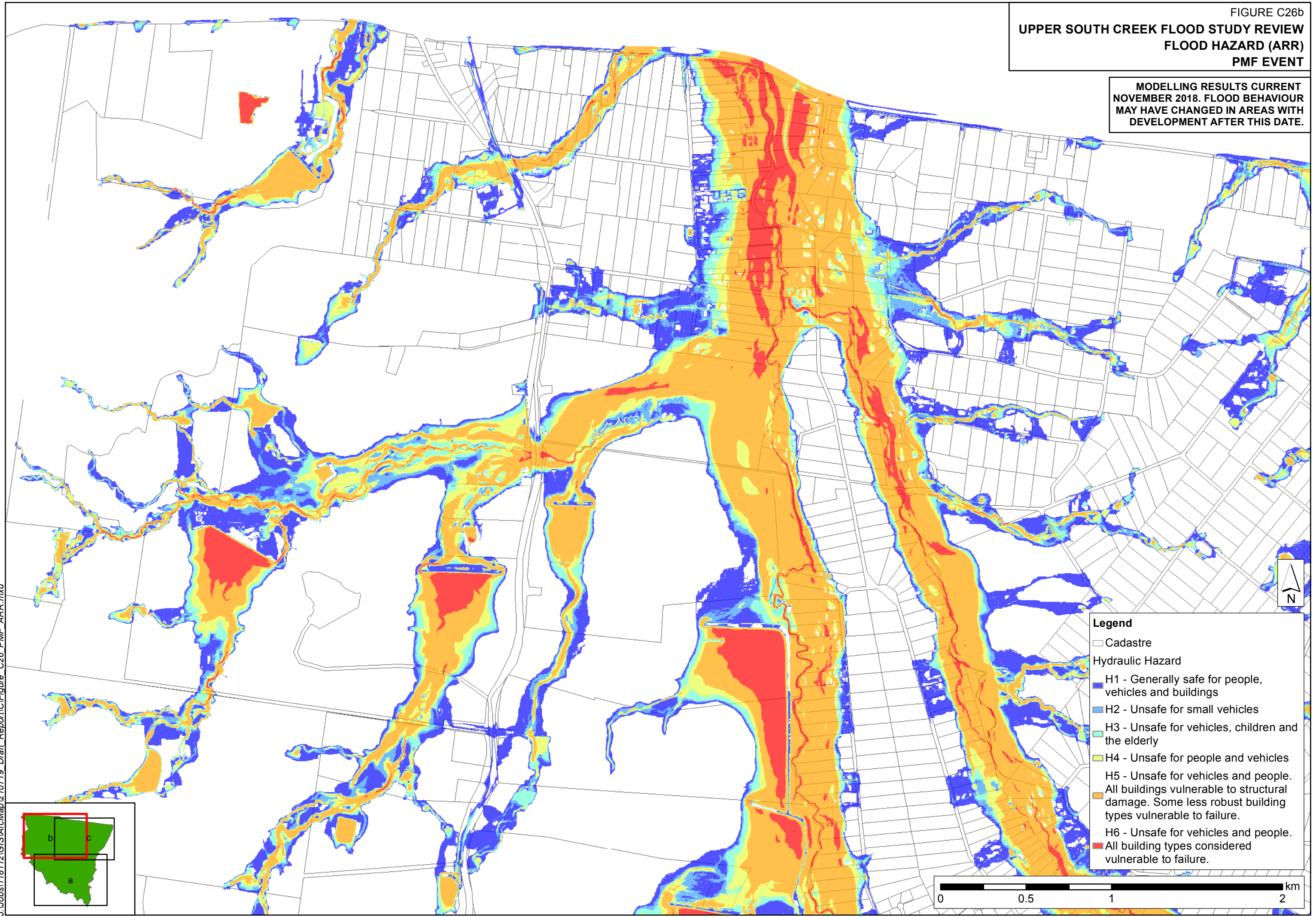


- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.



FIGURE C26b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

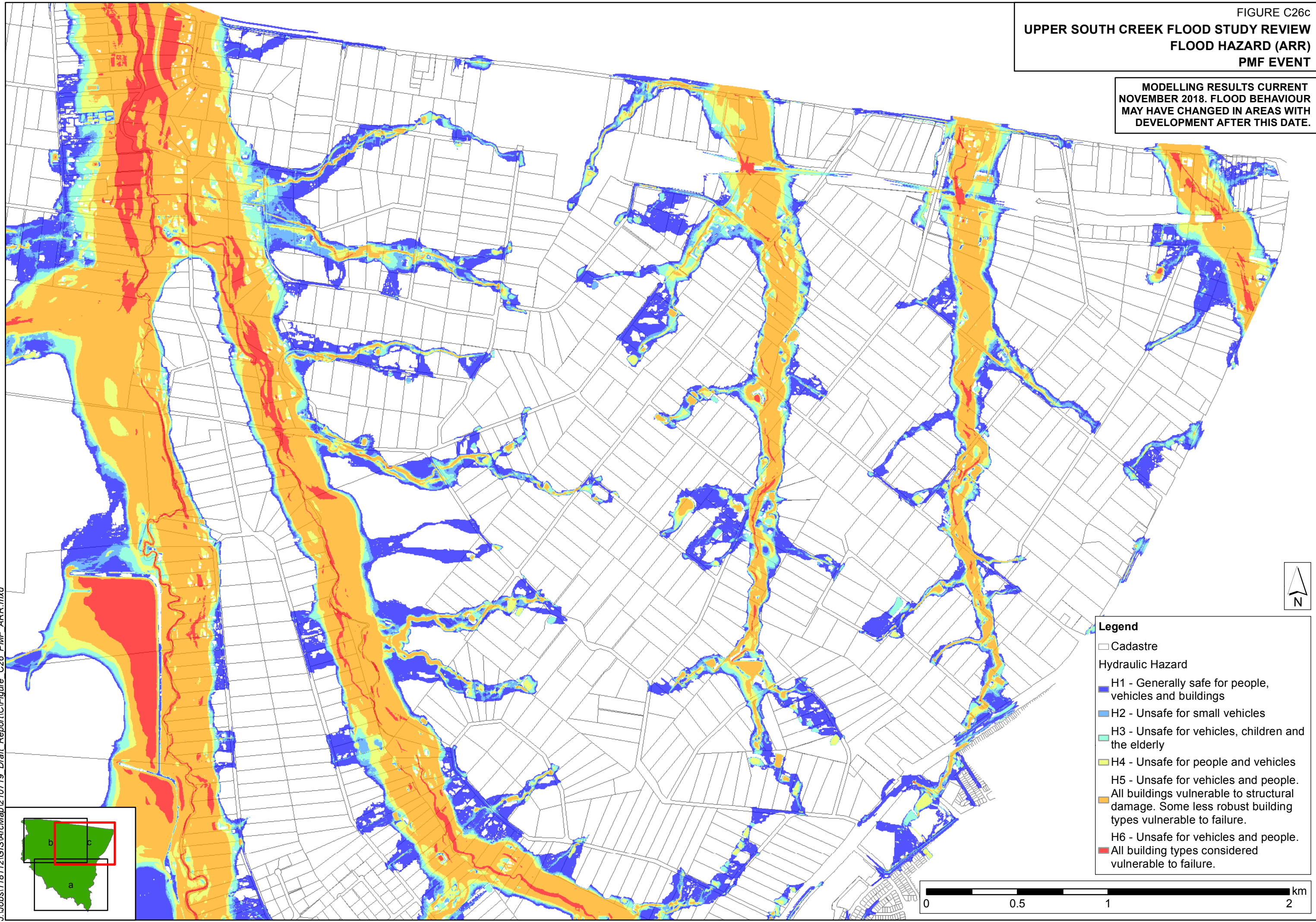


- Legend**
- Cadastre
 - Hydraulic Hazard
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

J:\Jobs\118112\GIS\ArcMap\Map12\10719_Draft_Report\C\Figure_C26_PMF_ARR.mxd

FIGURE C26c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD HAZARD (ARR)
PMF EVENT

MODELLING RESULTS CURRENT
 NOVEMBER 2018. FLOOD BEHAVIOUR
 MAY HAVE CHANGED IN AREAS WITH
 DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Hazard**
 - H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure.
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure.

J:\Jobs\118112\GIS\ArcMap\Map2\10719 Draft_Report\C\Figure_C26_PMF_ARR.mxd

FIGURE C27a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

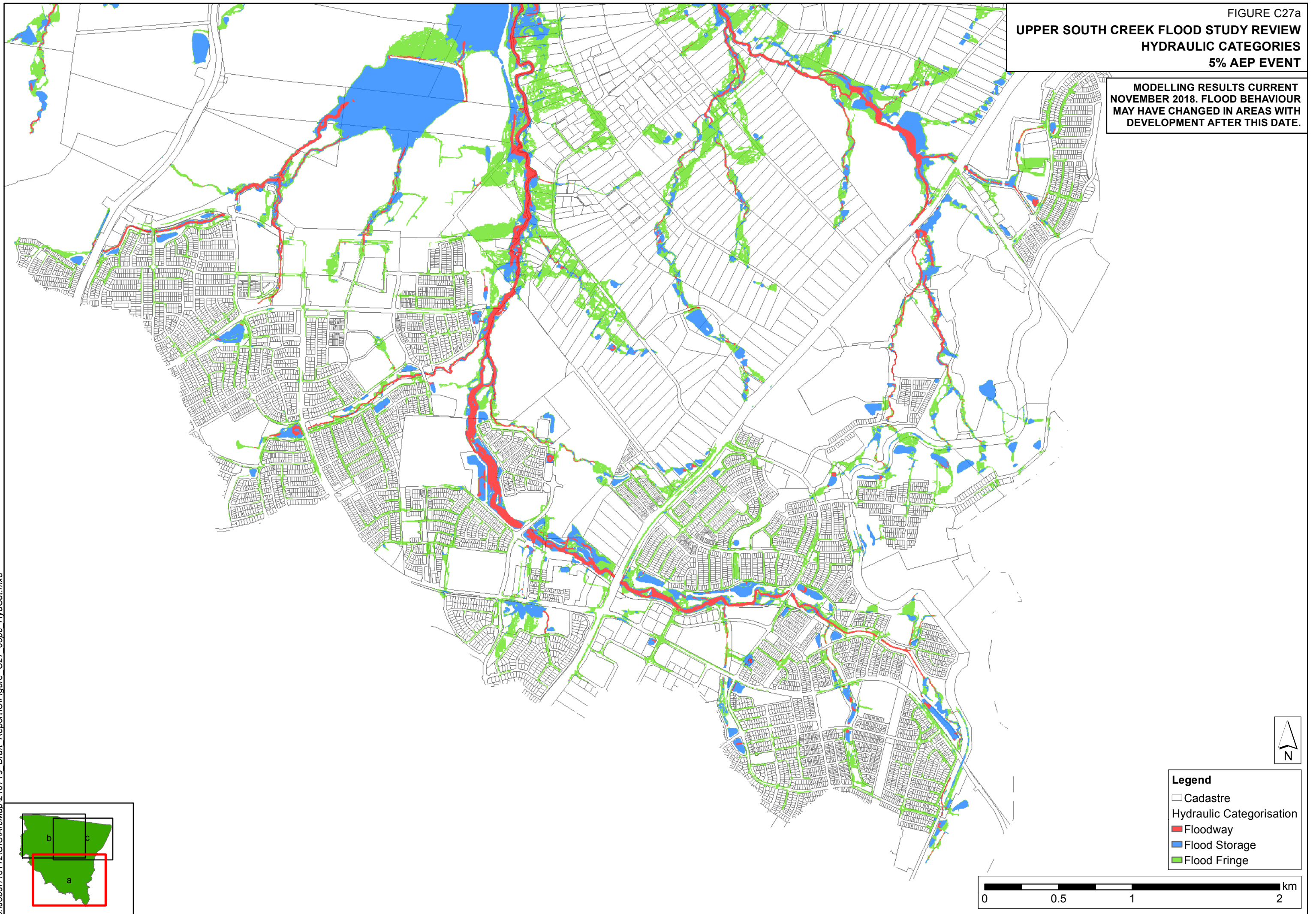
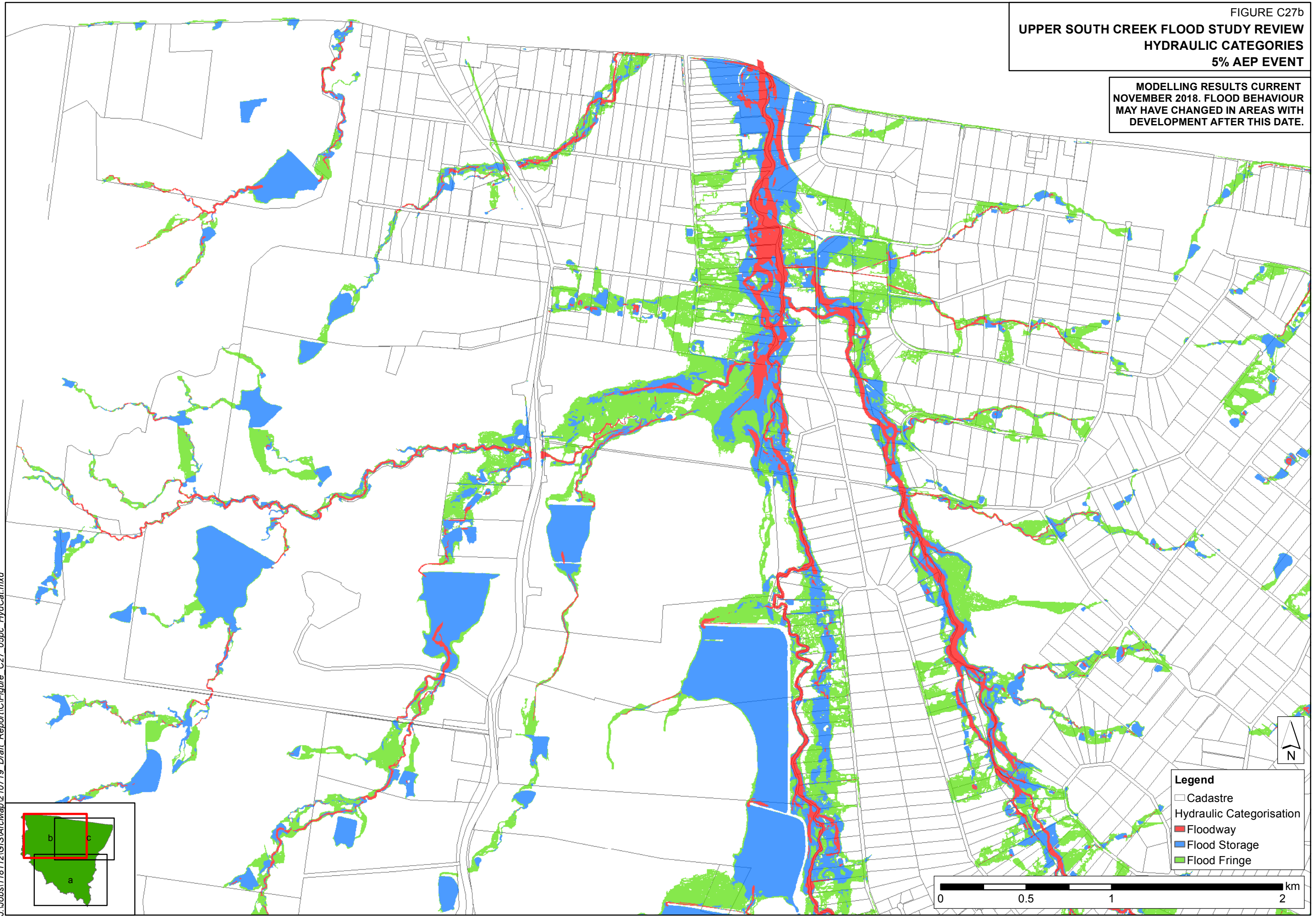
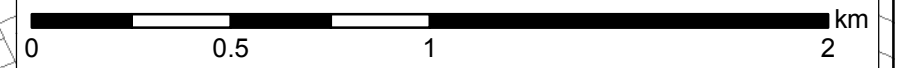


FIGURE C27b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



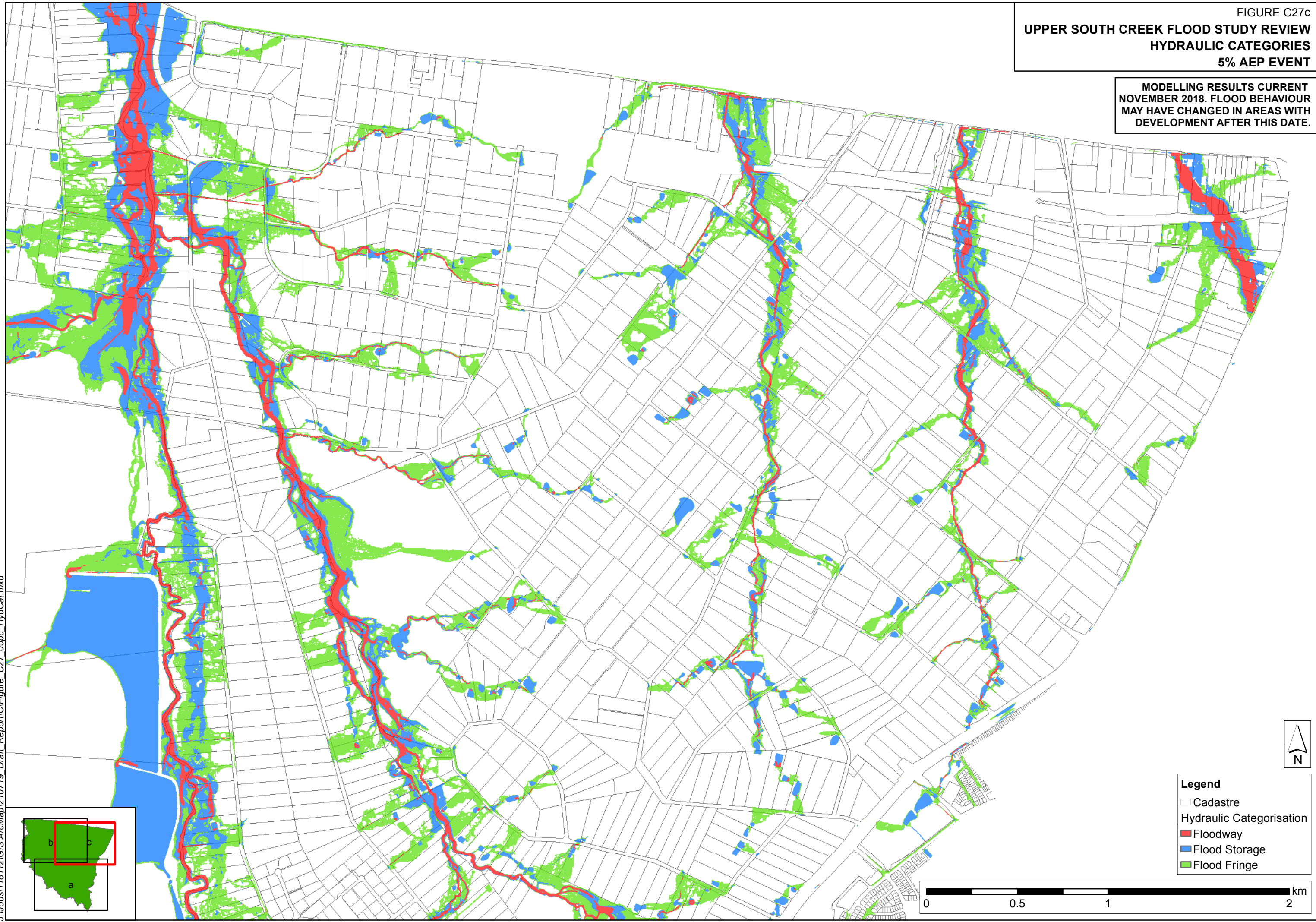
- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C27_05pc_HydCat.mxd

FIGURE C27c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

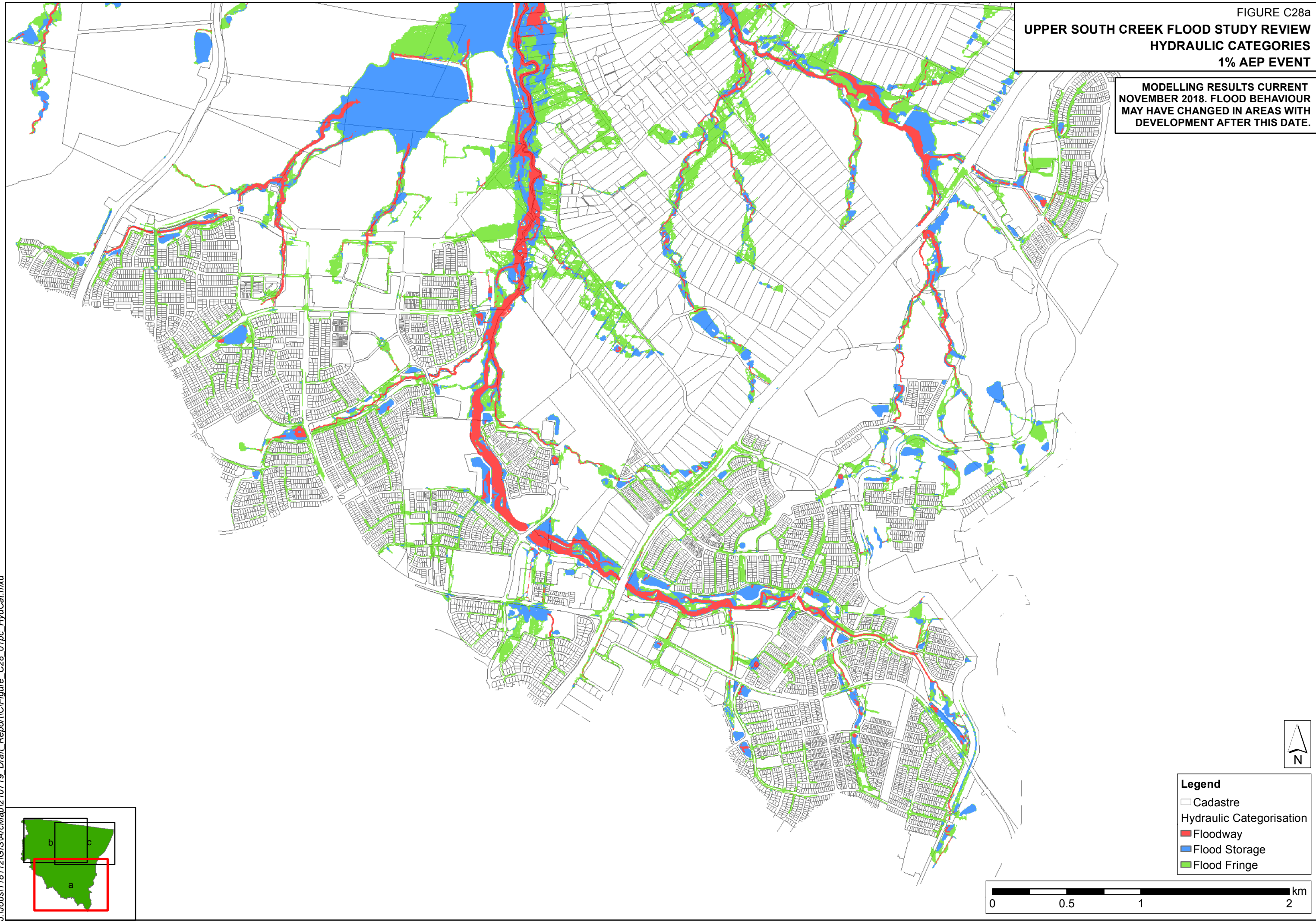


- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C27_05pc_HydCat.mxd

FIGURE C28a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C28_01pc_HydCat.mxd

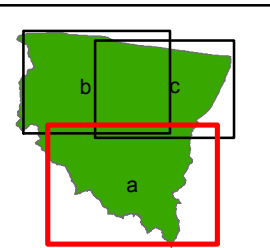
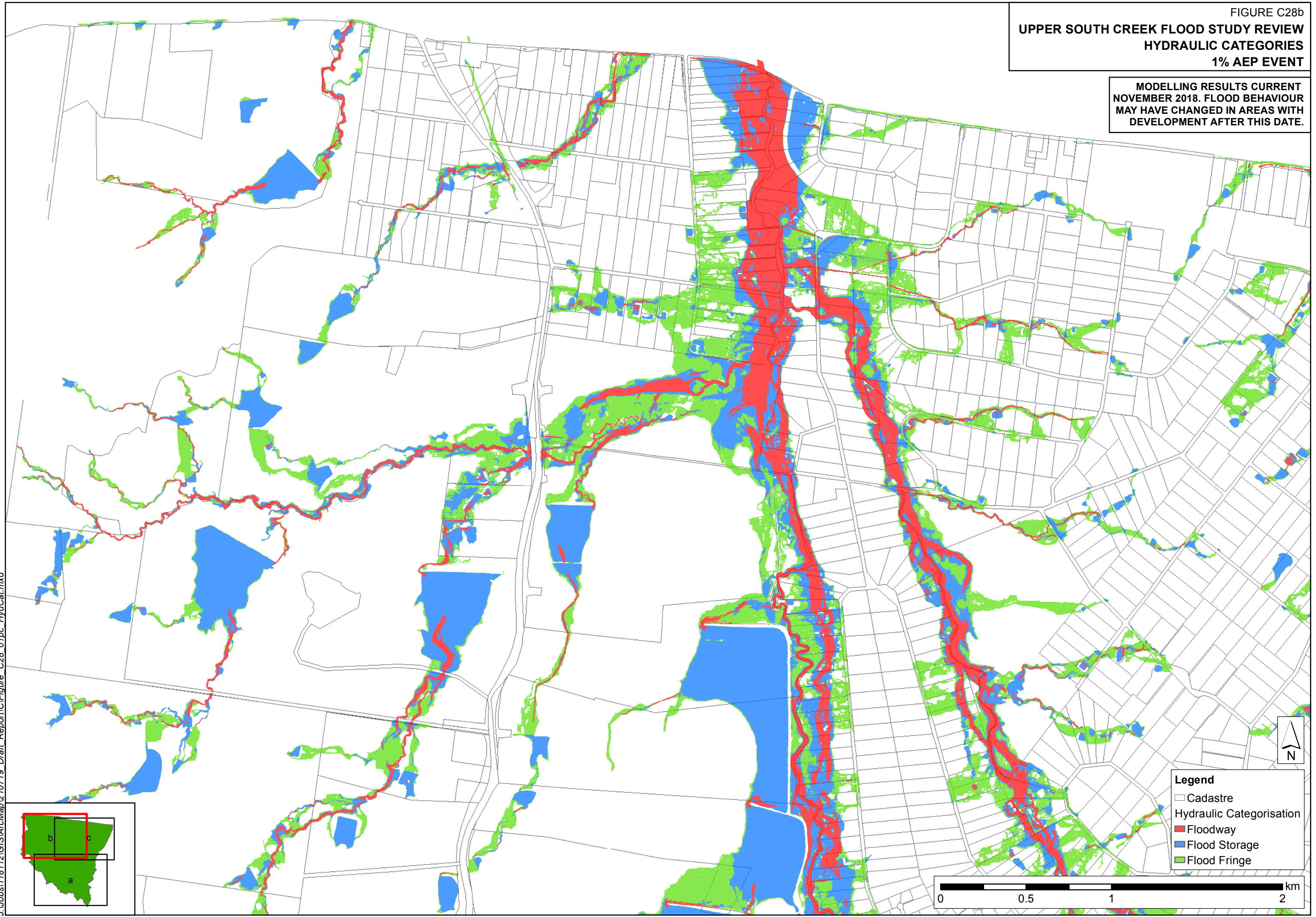
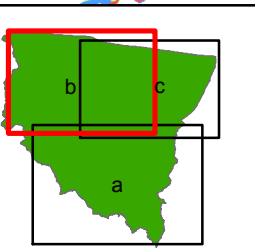


FIGURE C28b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C28_01pc_HydCat.mxd

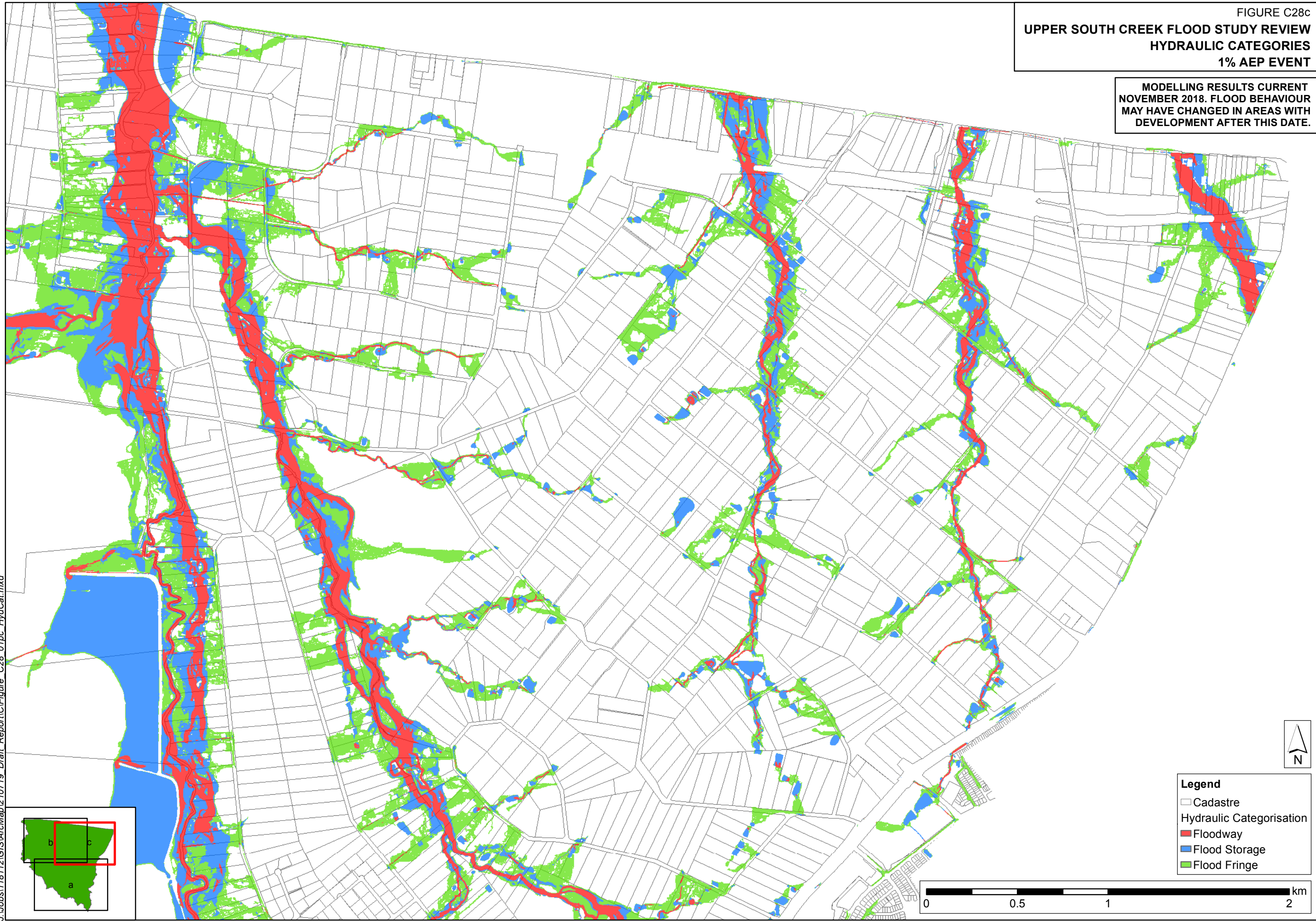


- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

0 0.5 1 2 km

FIGURE C28c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
1% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

J:\Jobs\118112\GIS\ArcMap\Map2\10719_Draft_Report\C\Figure_C28_01pc_HydCat.mxd

FIGURE C29a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

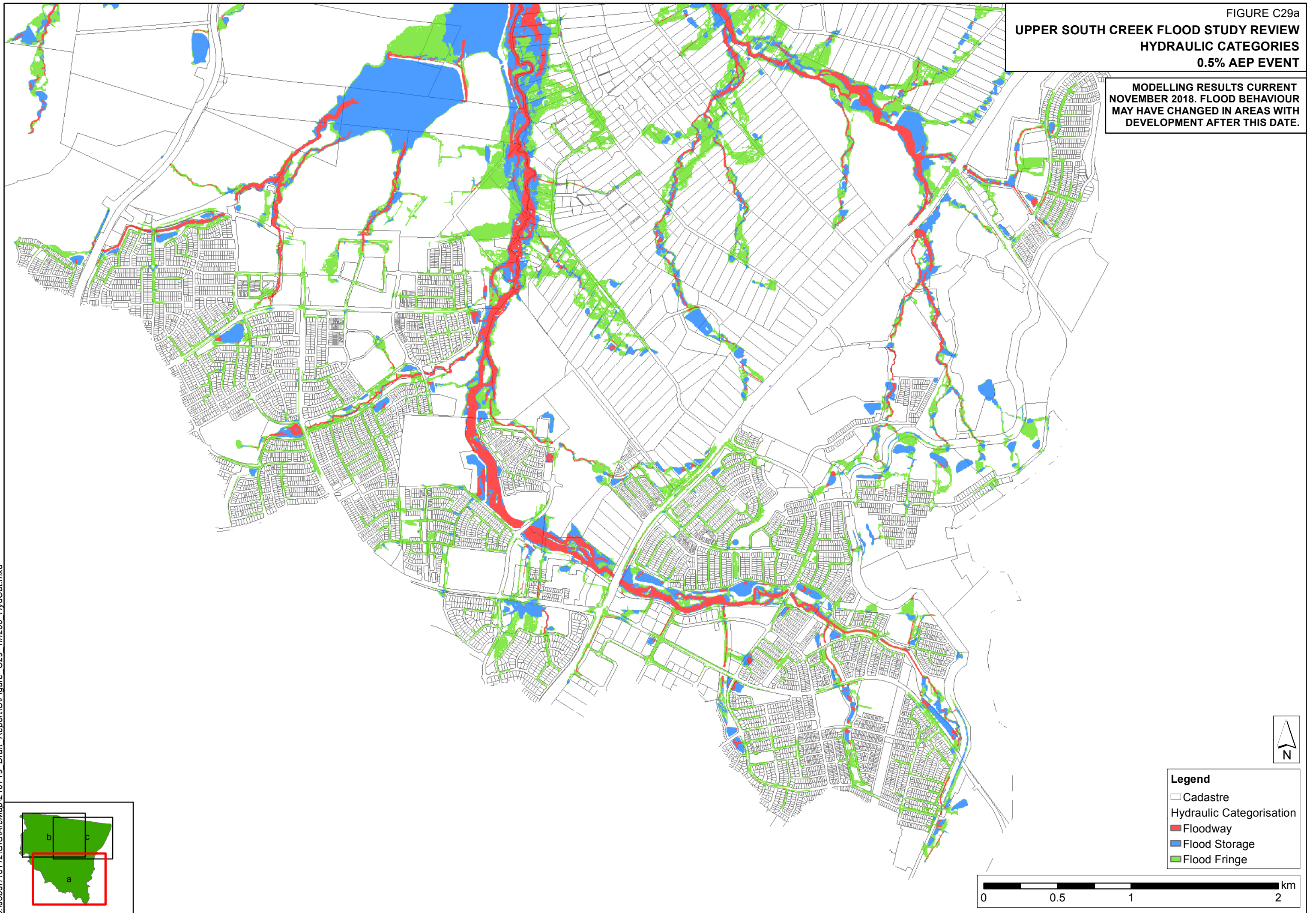
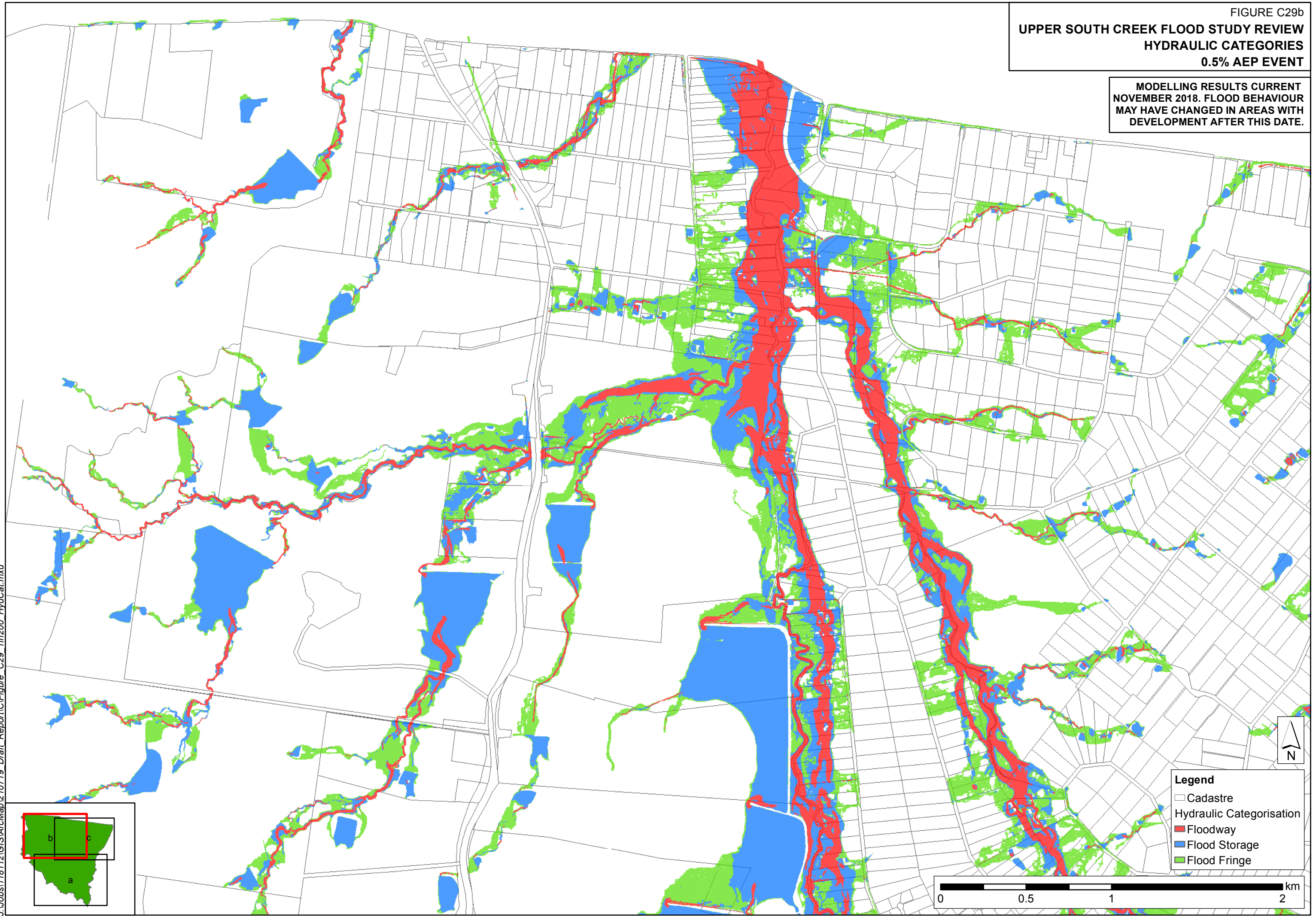


FIGURE C29b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.5% AEP EVENT

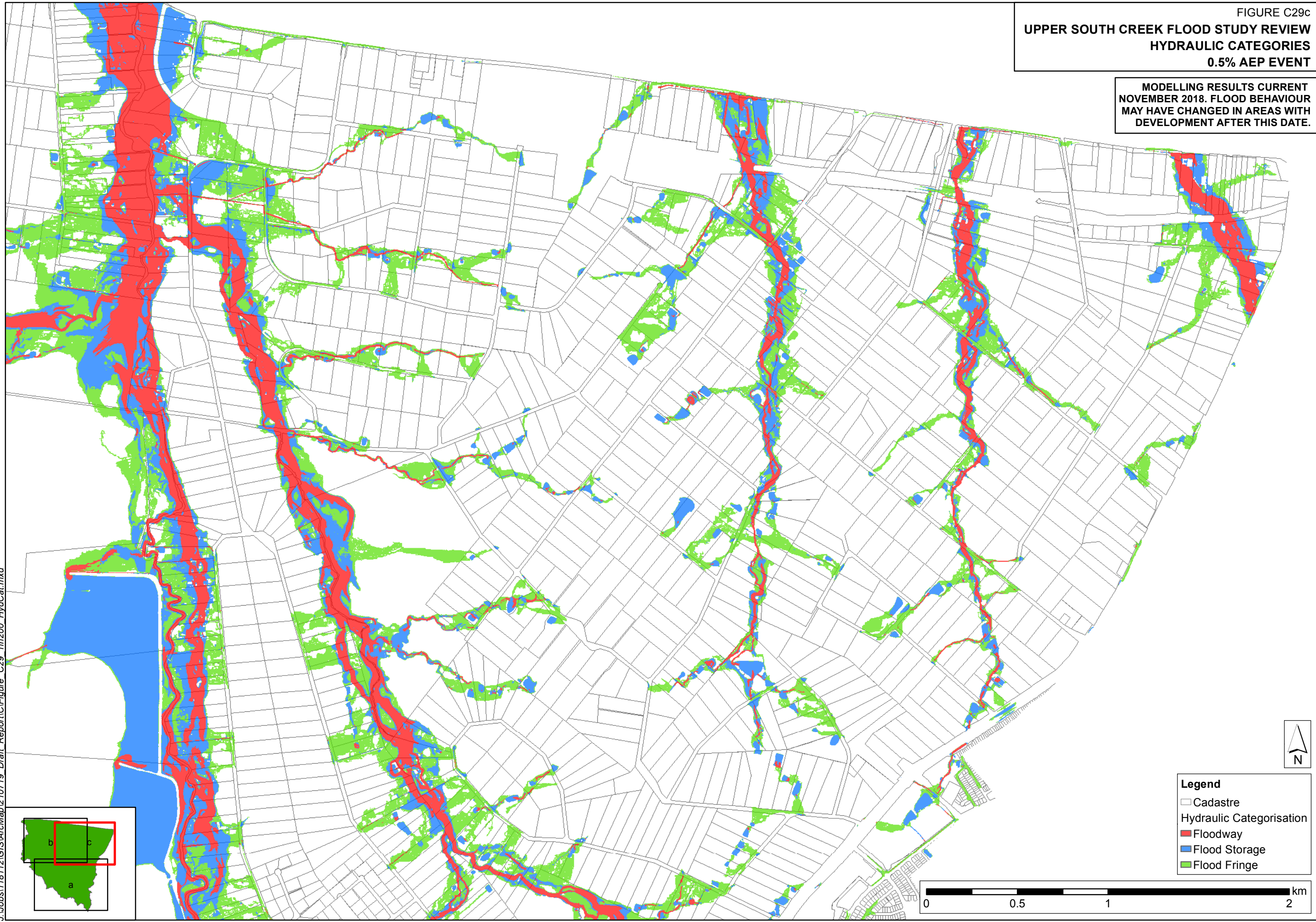
MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



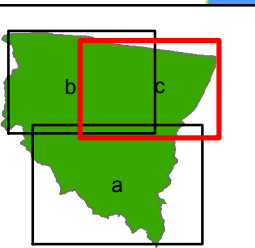
- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

FIGURE C29c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.5% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C29_1in200_HydCat.mxd



- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

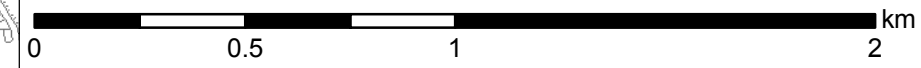
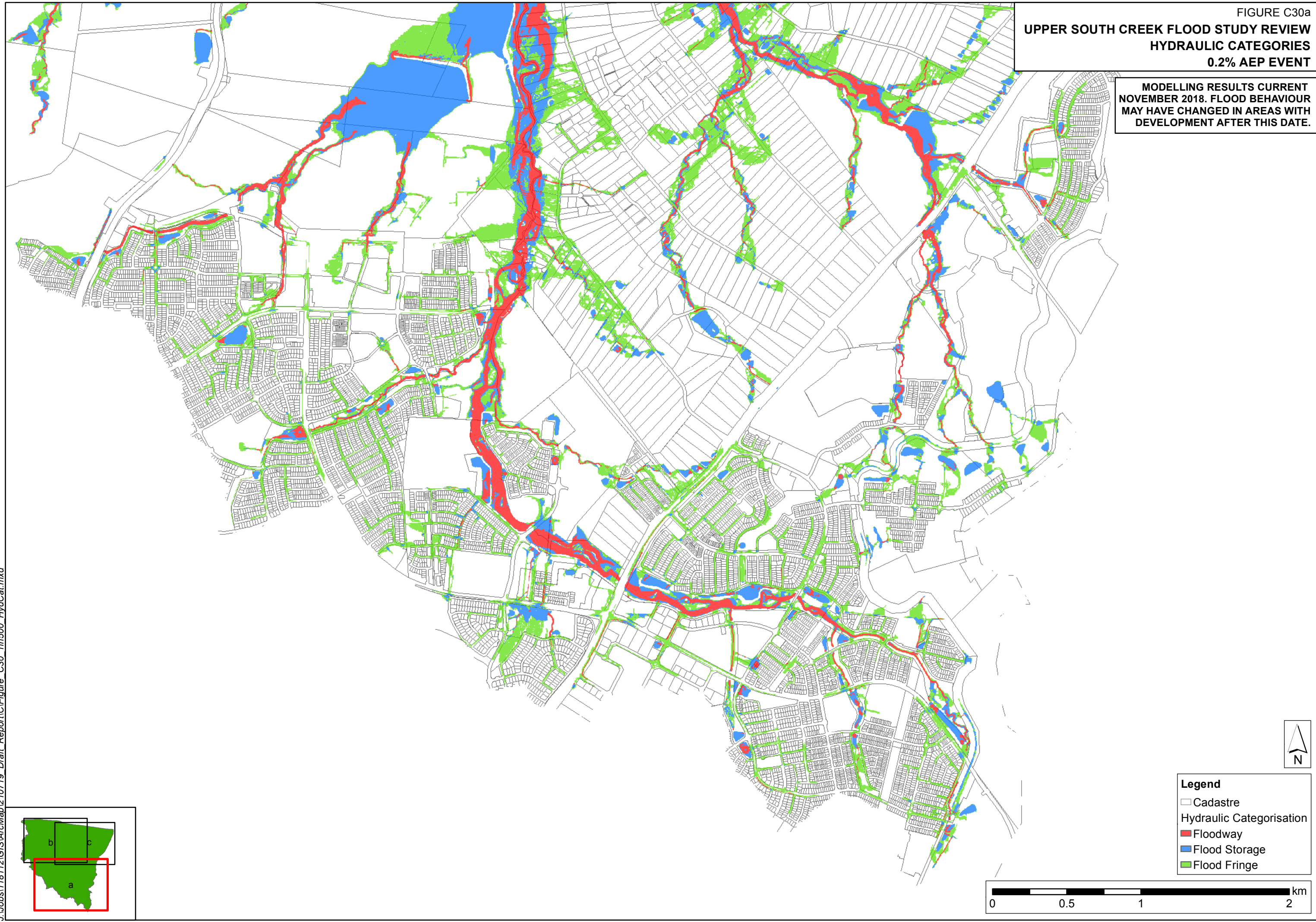


FIGURE C30a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.

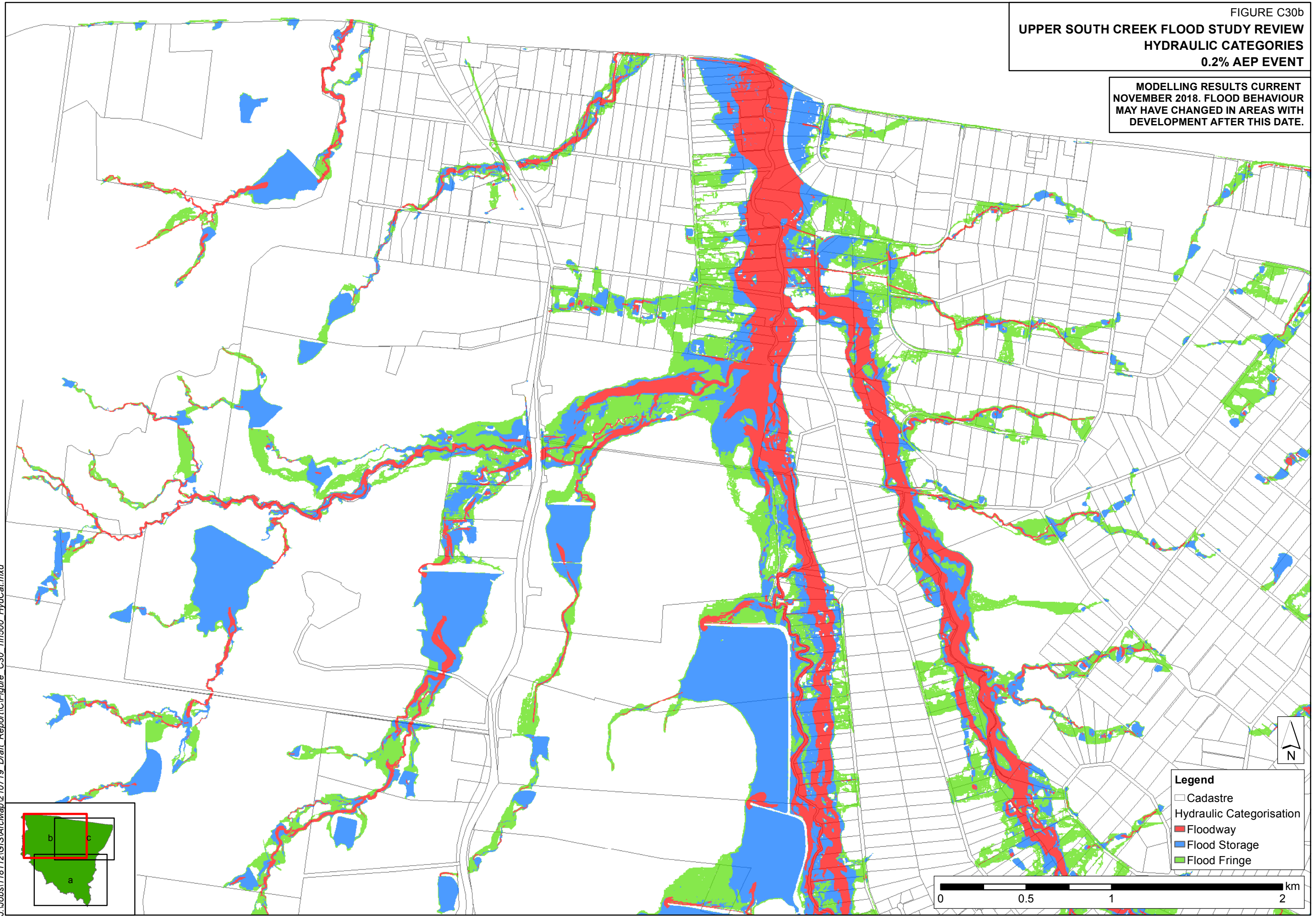


- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe



FIGURE C30b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



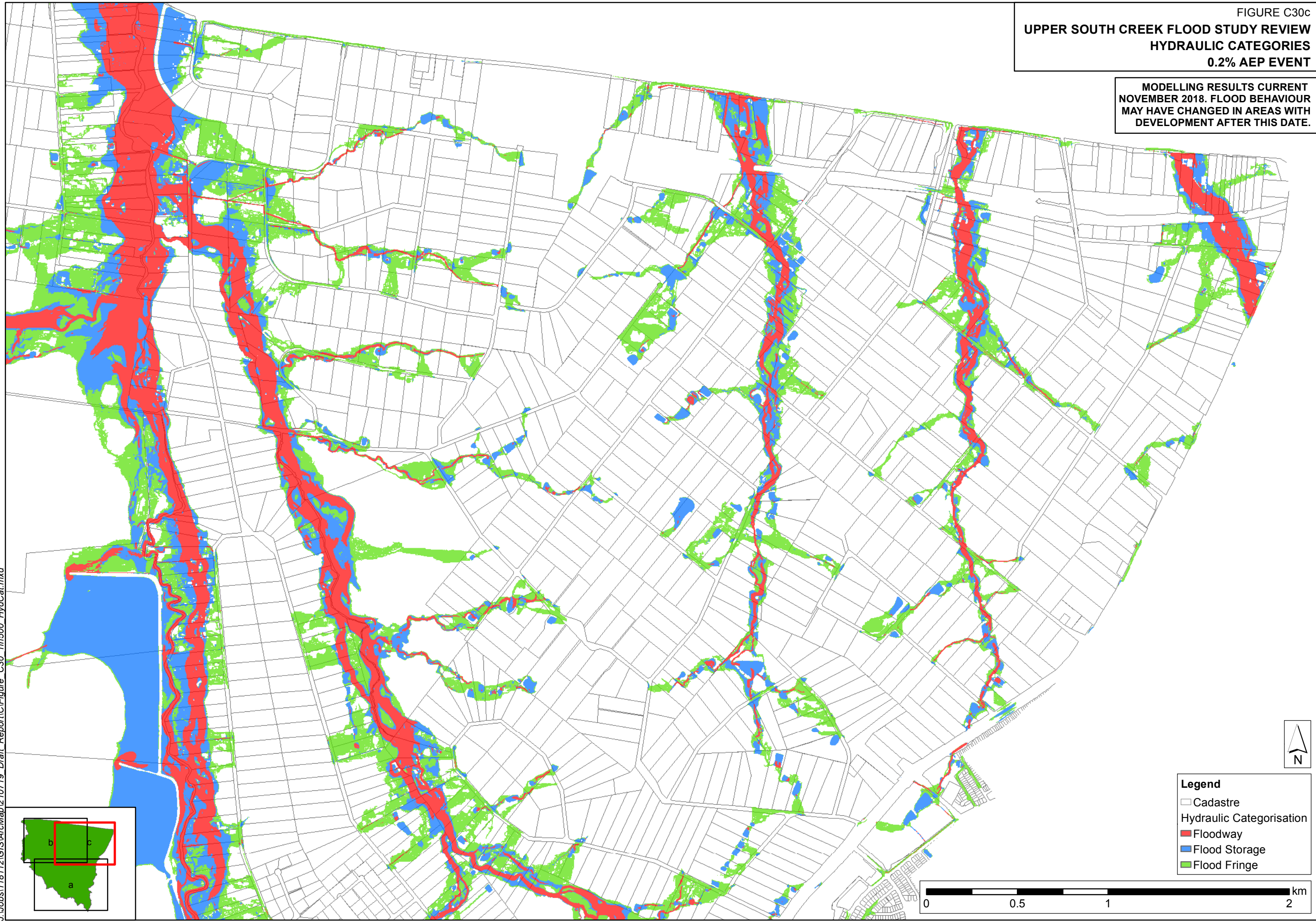
J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C30_1in500_HydCat.mxd

- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

0 0.5 1 2 km

FIGURE C30c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
0.2% AEP EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



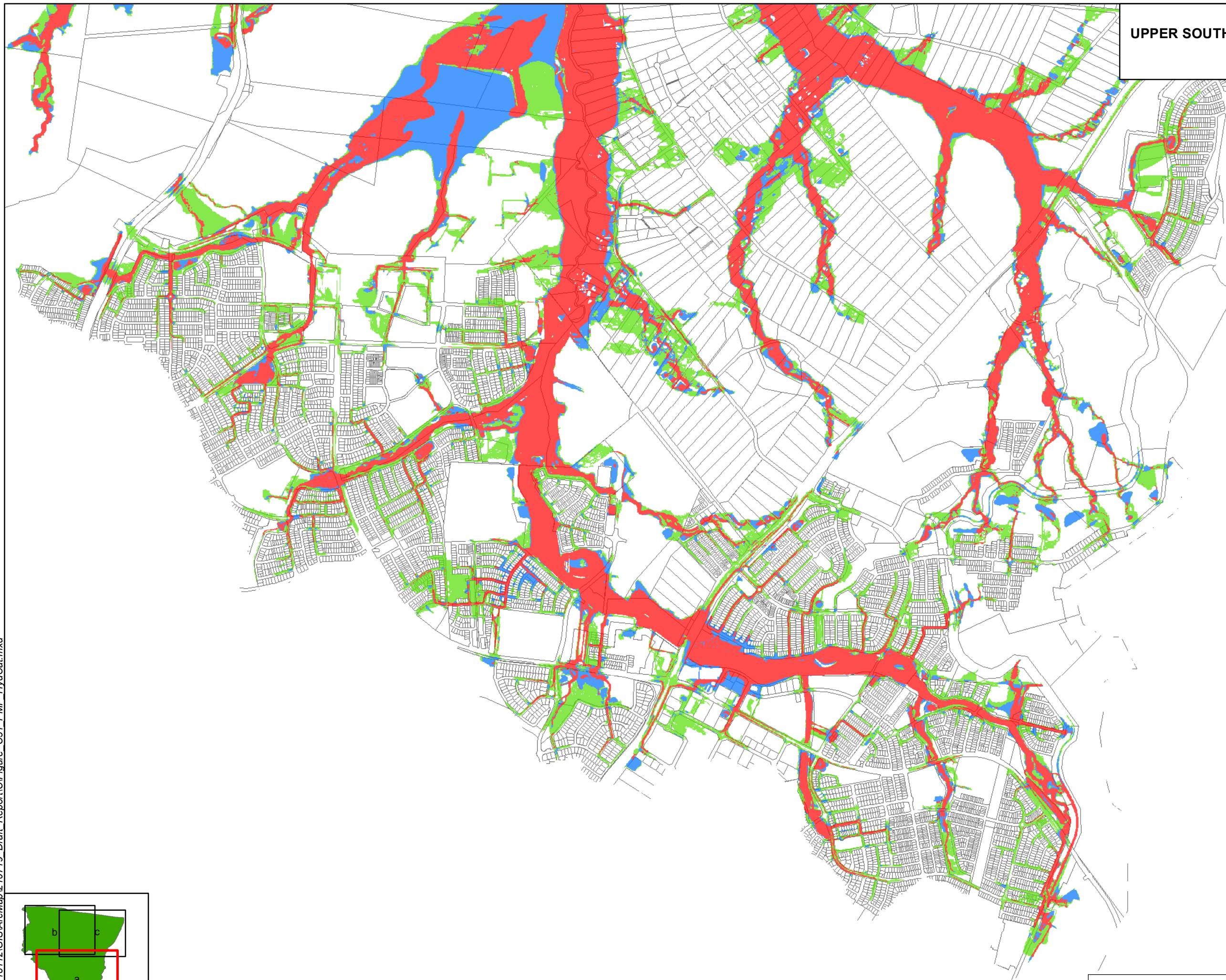
J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C30_1in500_HydCat.mxd

- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

0 0.5 1 2 km

FIGURE C31a
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C31_PMF_HydCat.mxd

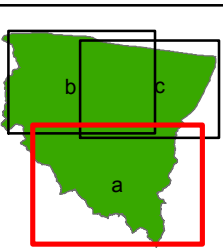
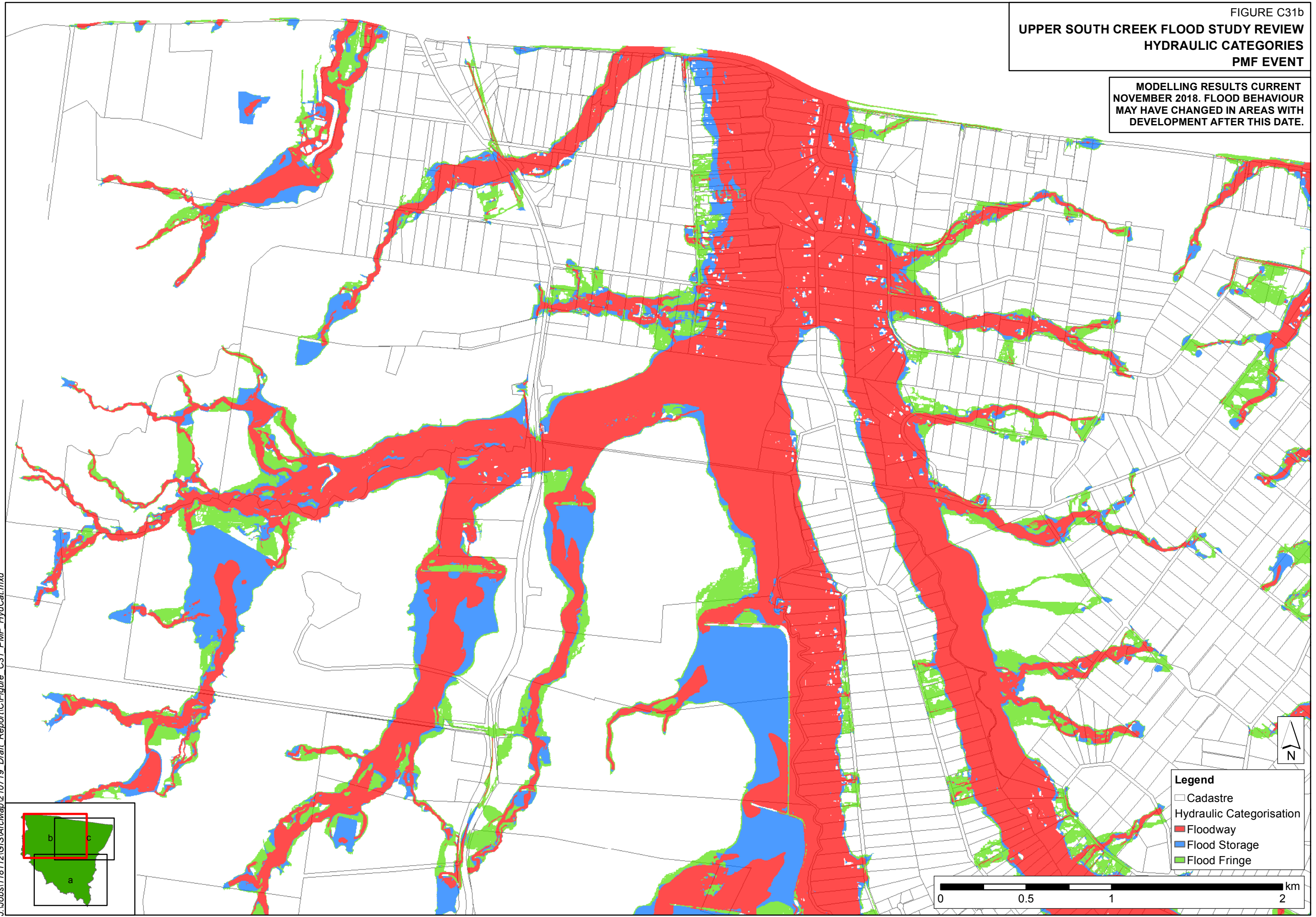
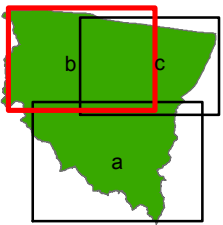


FIGURE C31b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\1210719_Draft_Report\C\Figure_C31_PMF_HydCat.mxd

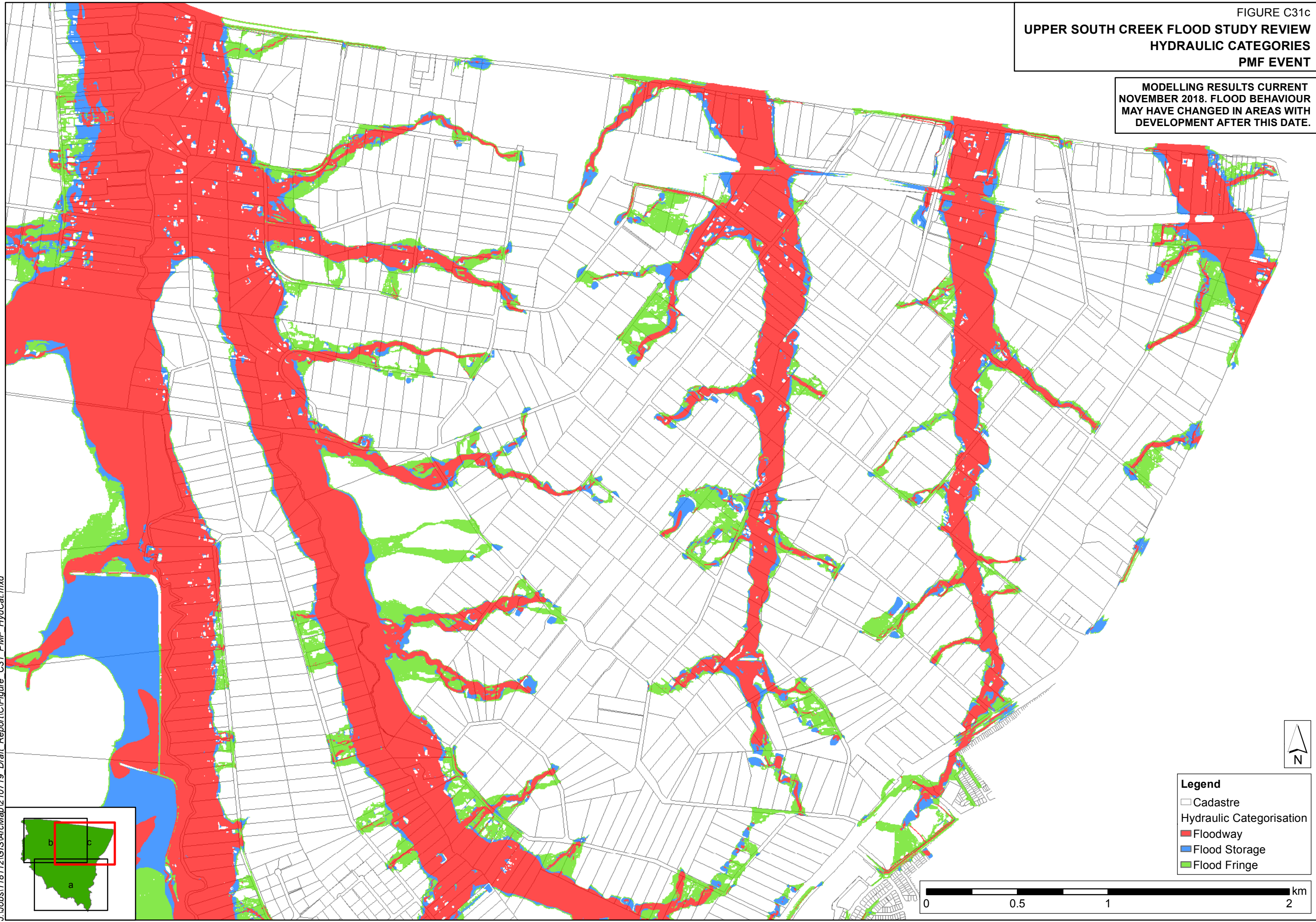


- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

0 0.5 1 2 km

FIGURE C31c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
HYDRAULIC CATEGORIES
PMF EVENT

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



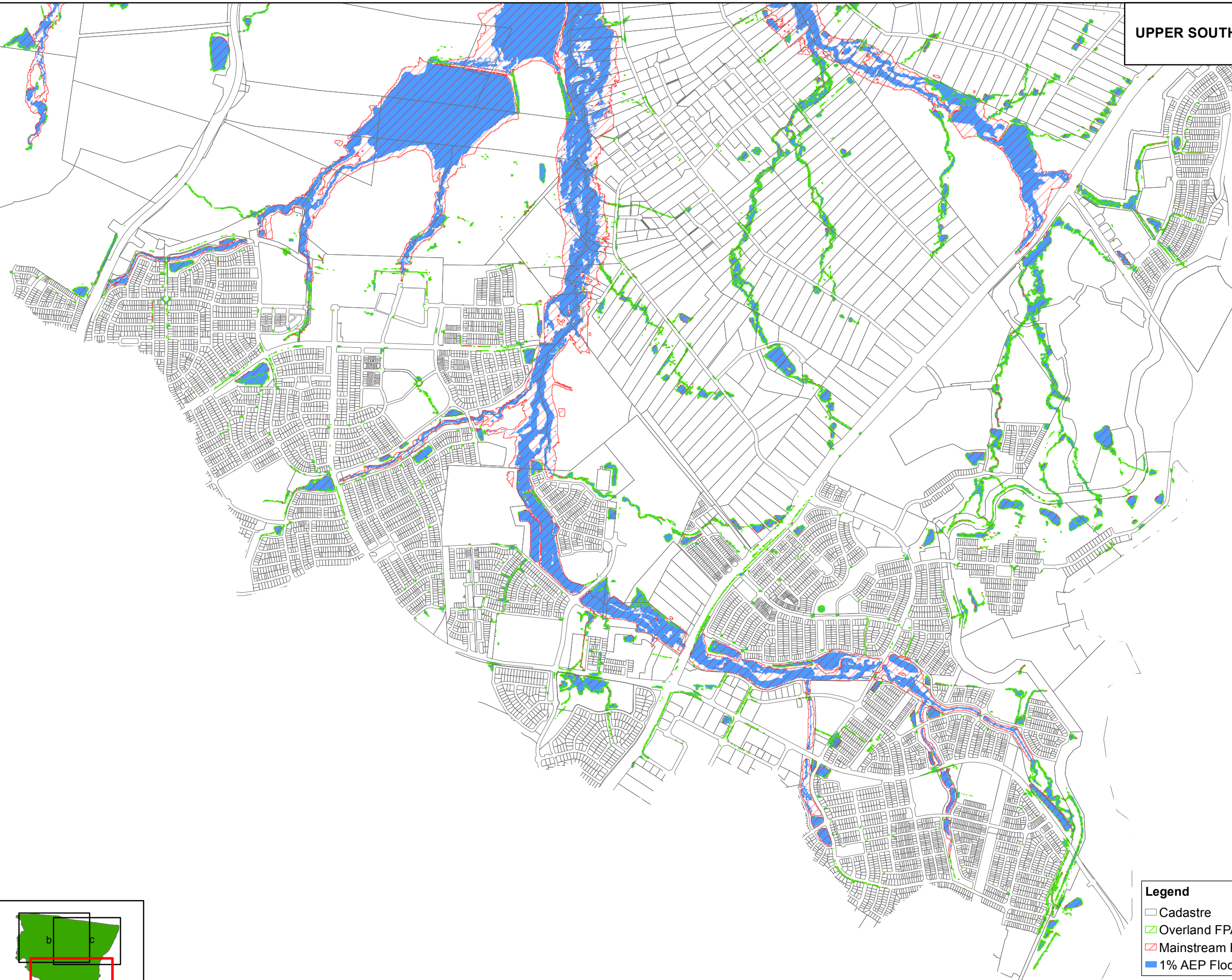
- Legend**
- Cadastre
 - Hydraulic Categorisation
 - Floodway
 - Flood Storage
 - Flood Fringe

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C31_PMF_HydCat.mxd

**UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD PLANNING AREA**

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - ▭ Overland FPA
 - ▭ Mainstream FPA
 - ▭ 1% AEP Flood Extent (depths greater than 150mm)



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C35_FPA.mxd

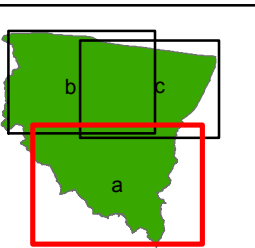
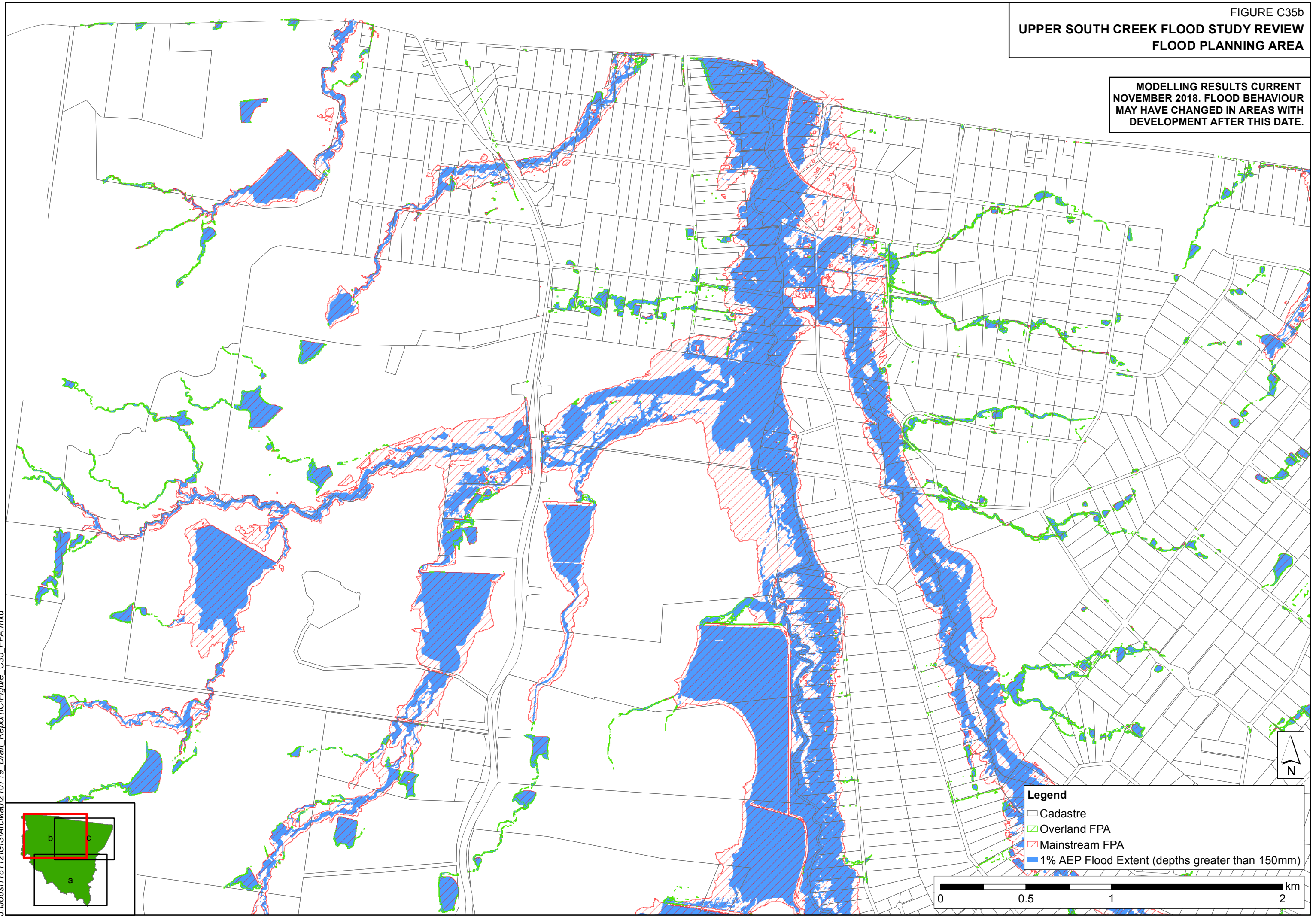


FIGURE C35b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD PLANNING AREA

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Overland FPA
 - Mainstream FPA
 - 1% AEP Flood Extent (depths greater than 150mm)

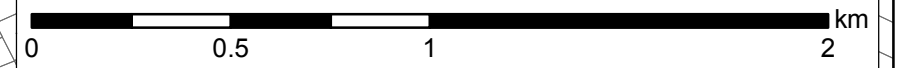
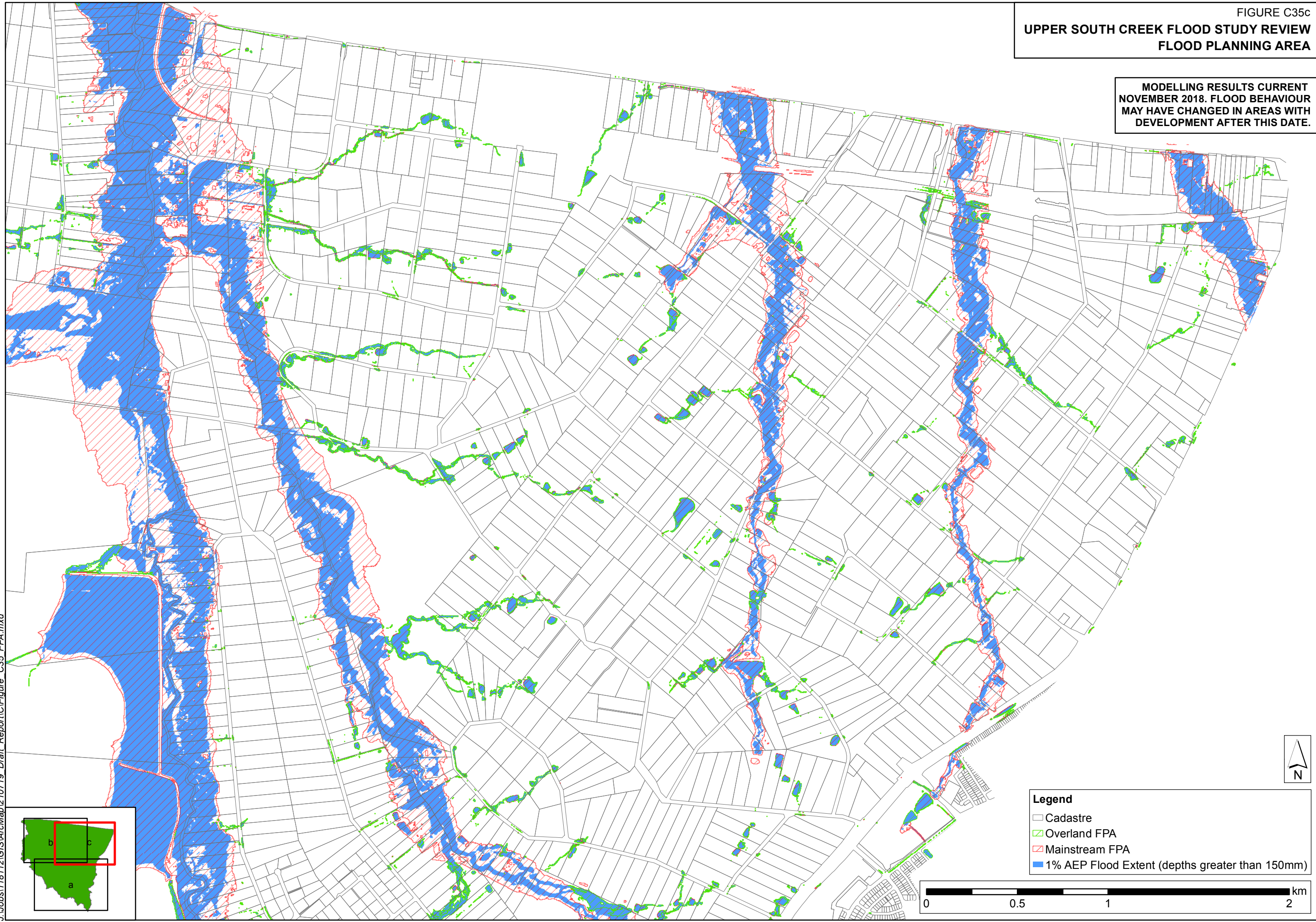


FIGURE C35c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD PLANNING AREA

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



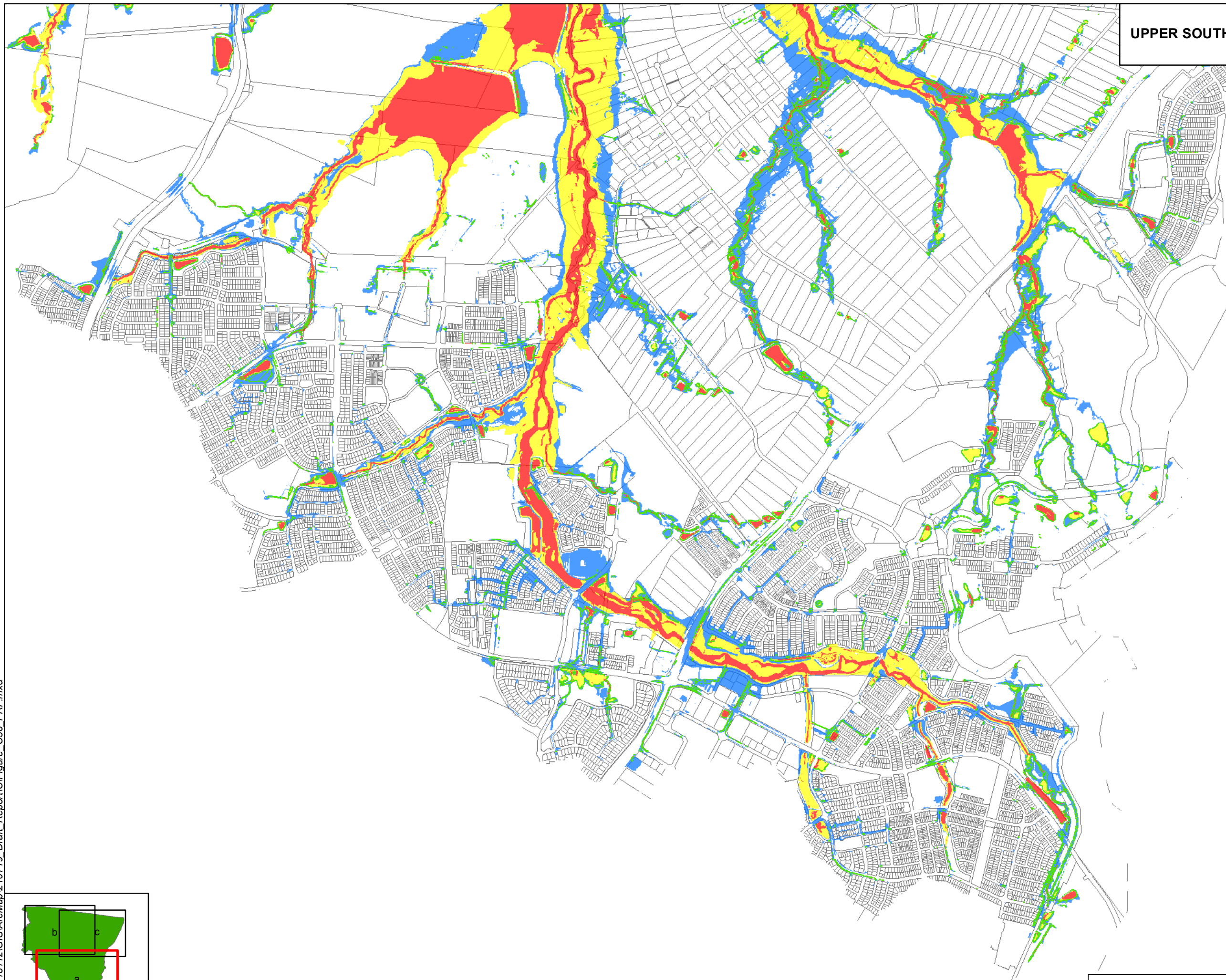
- Legend**
- Cadastre
 - ▬ Overland FPA
 - ▨ Mainstream FPA
 - 1% AEP Flood Extent (depths greater than 150mm)

0 0.5 1 2 km

J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C35_FPA.mxd

**UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD RISK PRECINCTS**

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



- Legend**
- Cadastre
 - Flood Risk Precinct
 - High Risk
 - Medium Risk
 - Low Risk
 - Overland



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C36_FRP.mxd

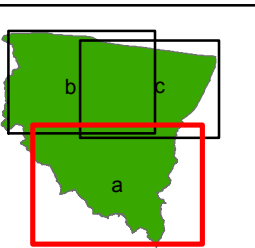
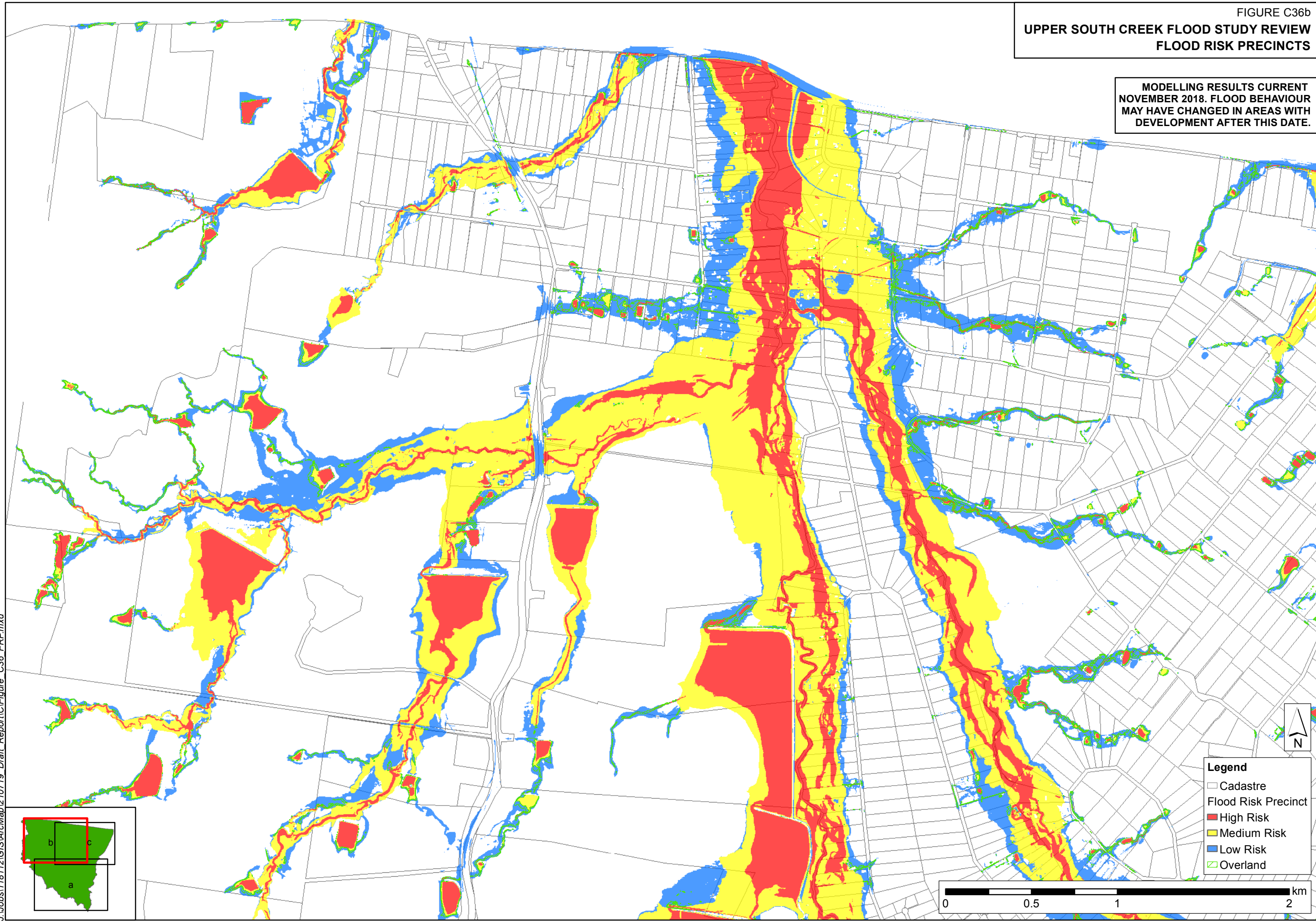
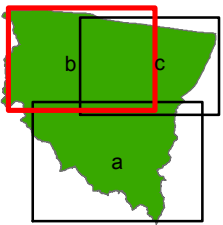


FIGURE C36b
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD RISK PRECINCTS

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719_Draft_Report\C\Figure_C36_FRP.mxd

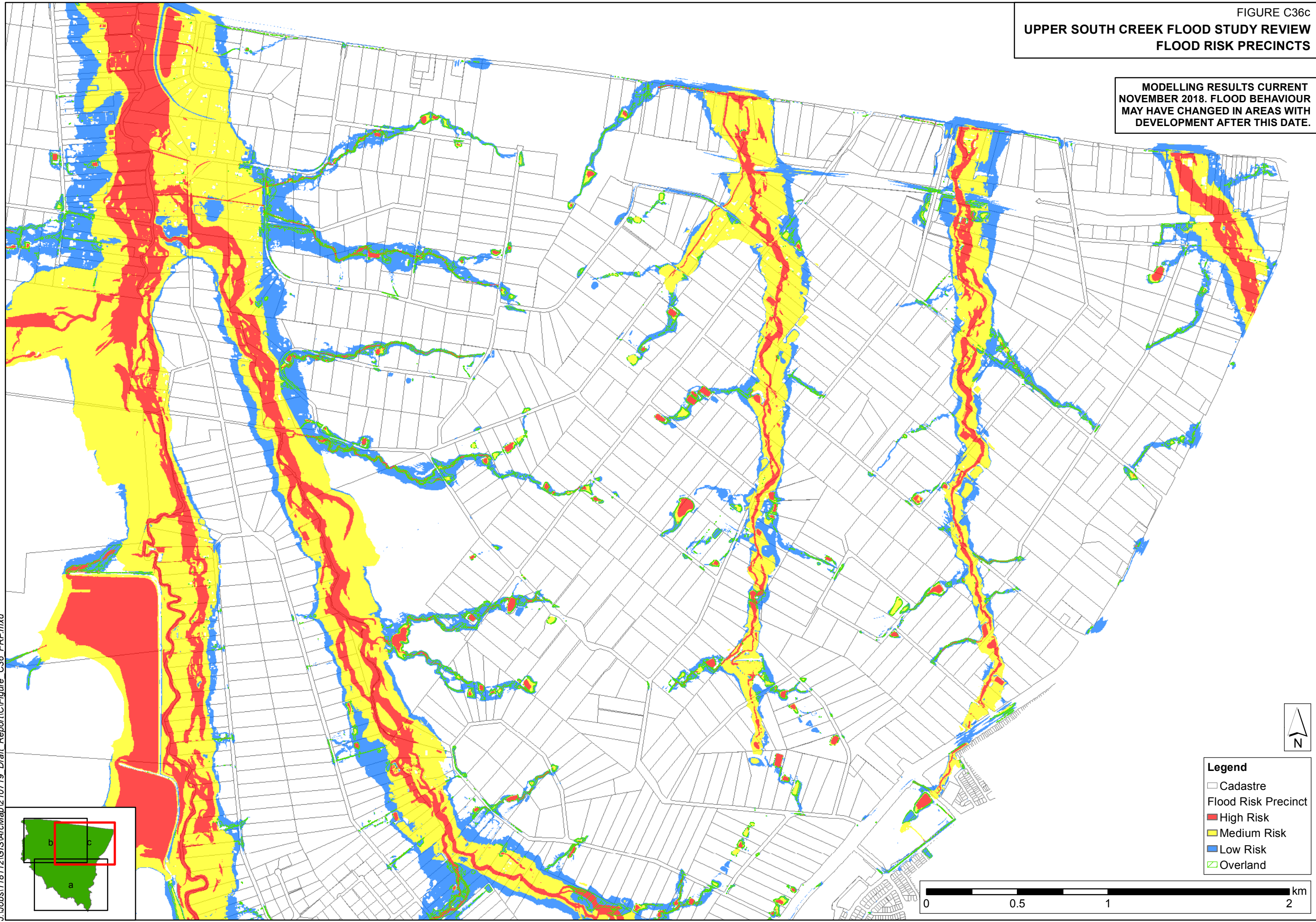


- Legend**
- Cadastre
 - Flood Risk Precinct
 - High Risk
 - Medium Risk
 - Low Risk
 - Overland

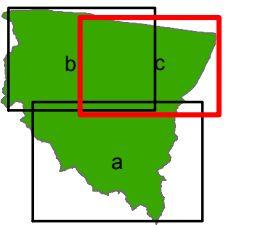
0 0.5 1 2 km

FIGURE C36c
UPPER SOUTH CREEK FLOOD STUDY REVIEW
FLOOD RISK PRECINCTS

MODELLING RESULTS CURRENT
NOVEMBER 2018. FLOOD BEHAVIOUR
MAY HAVE CHANGED IN AREAS WITH
DEVELOPMENT AFTER THIS DATE.



J:\Jobs\118112\GIS\ArcMap\210719 Draft_Report\C\Figure_C36_FRP.mxd



- Legend**
- Cadastre
 - Flood Risk Precinct
 - High Risk
 - Medium Risk
 - Low Risk
 - ▨ Overland

0 0.5 1 2 km