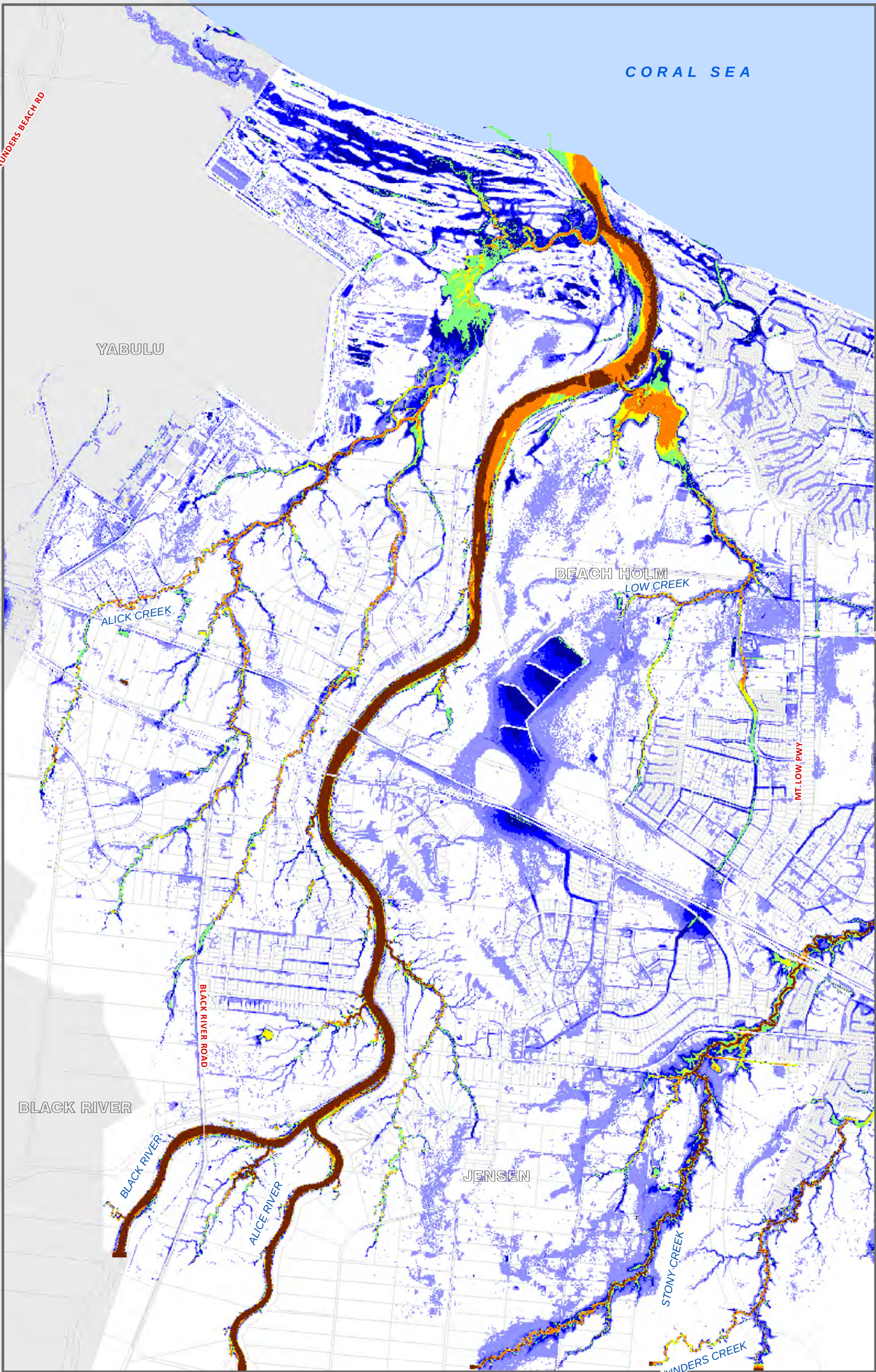




Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

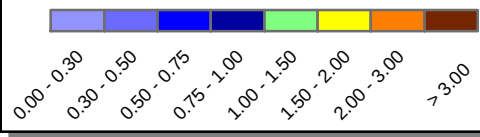
0 0.25 0.5 1 km



Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Roads)

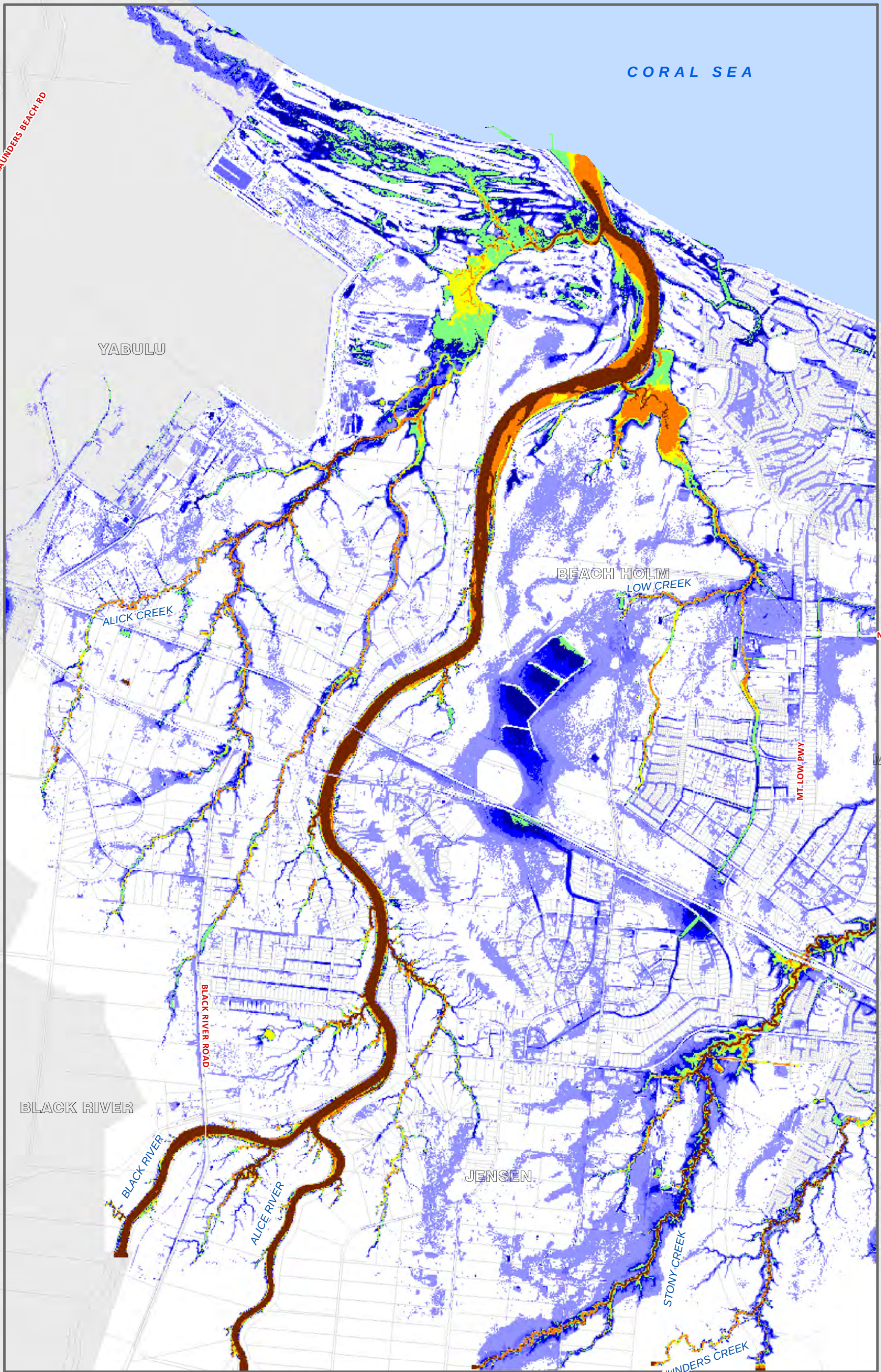
Coordinate System: GDA 1994 MGA Zone 55

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
10 Year ARI
Base Case
Appendix A3



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

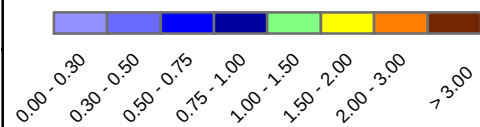
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

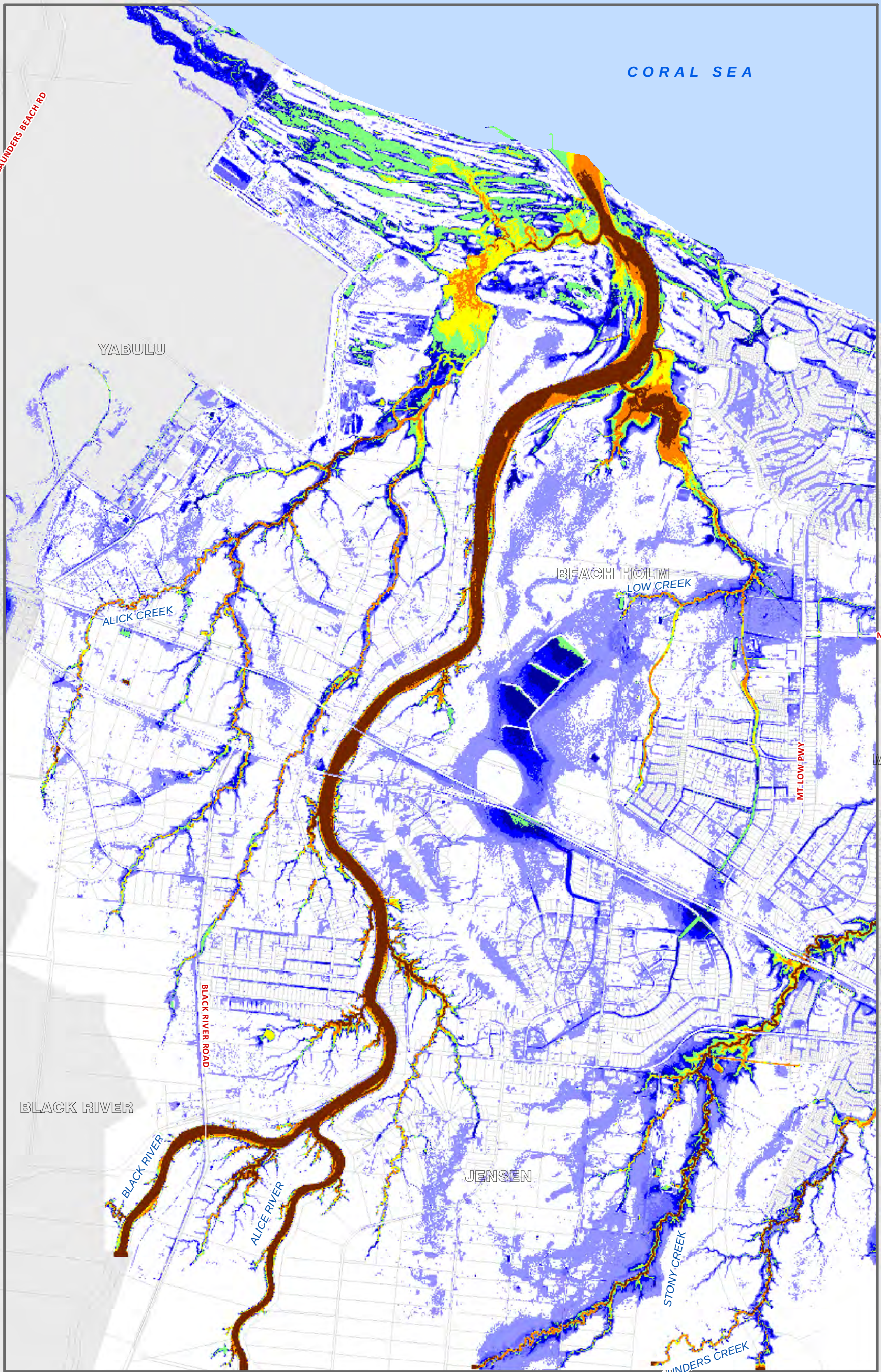
Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Towers)

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
20 Year ARI
Base Case
Appendix A4



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

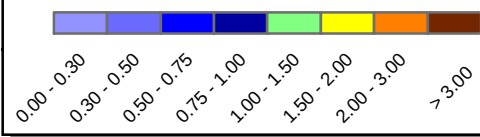
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

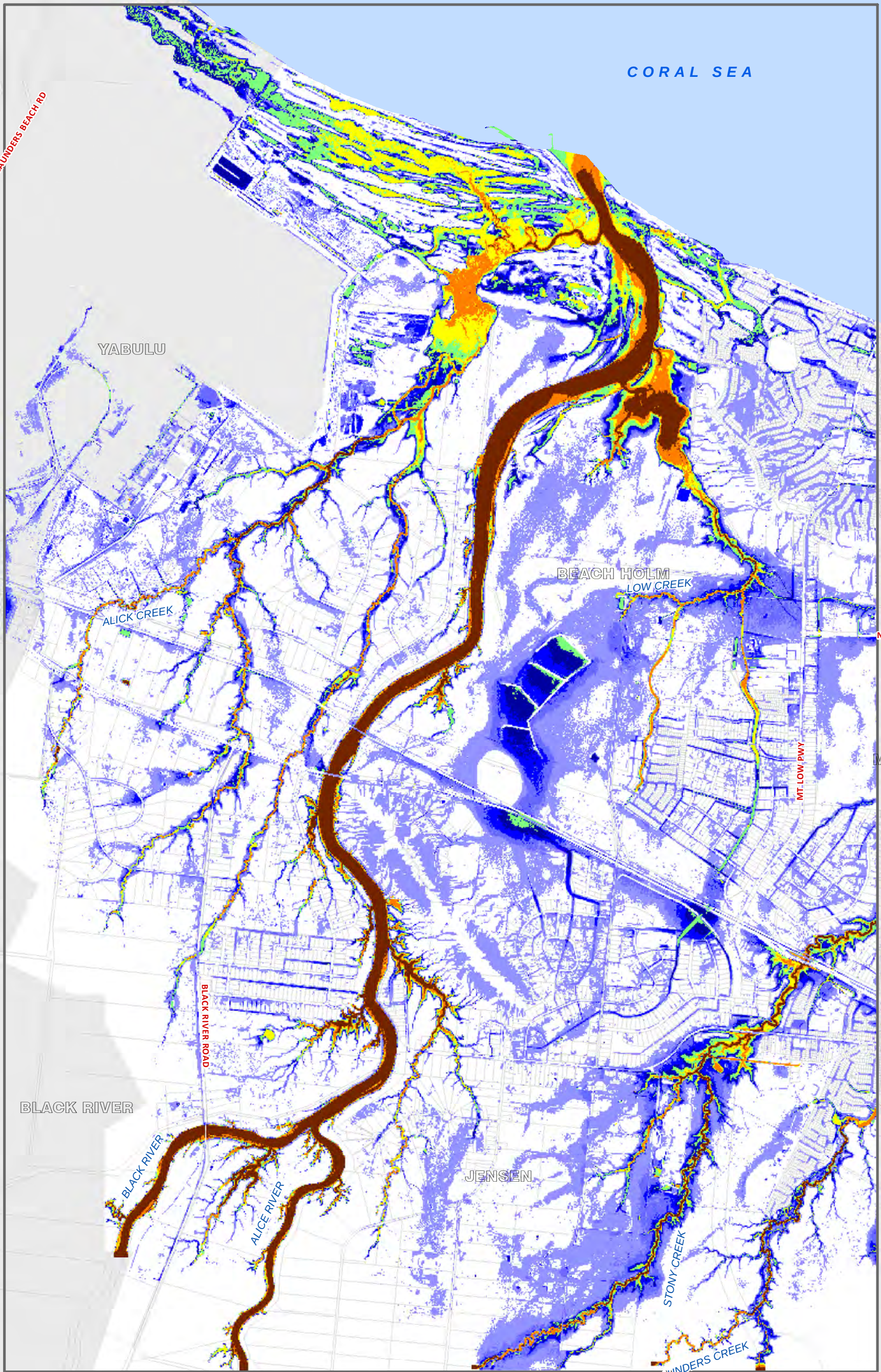
Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Towers)

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
50 Year ARI
Base Case
Appendix A5



Combined Durations: 3 h, 4.5 h, 6 h, 9 h, 12 h, 18 h, 24 h, 48 h

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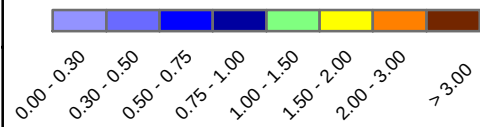
1:35,000 (when printed at A3)

0 0.25 0.5 1 km



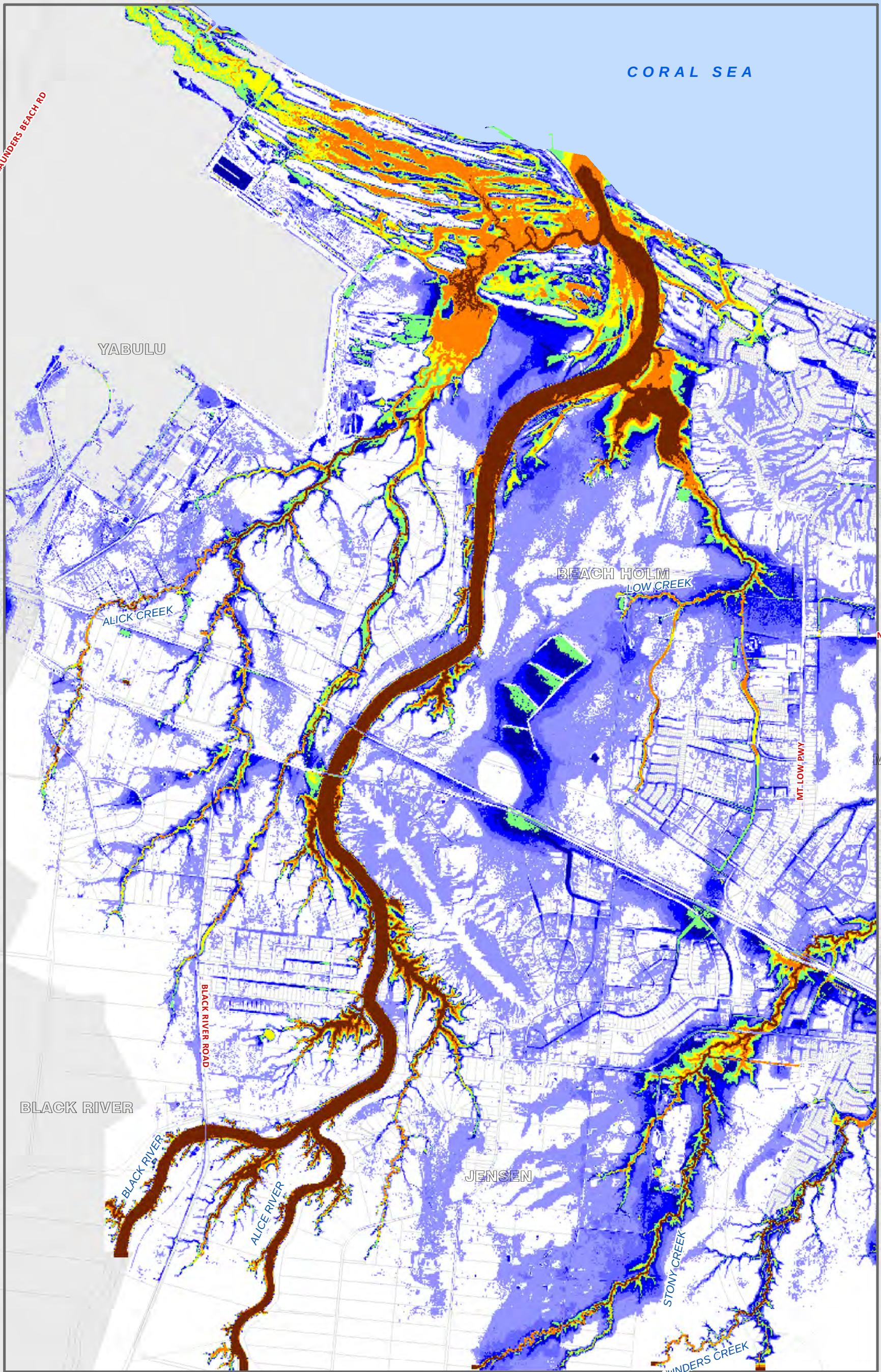
Base Data:
DODI © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Roads)

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
100 Year ARI
Base Case
Appendix A6



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

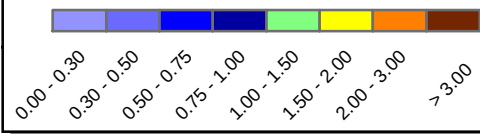
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

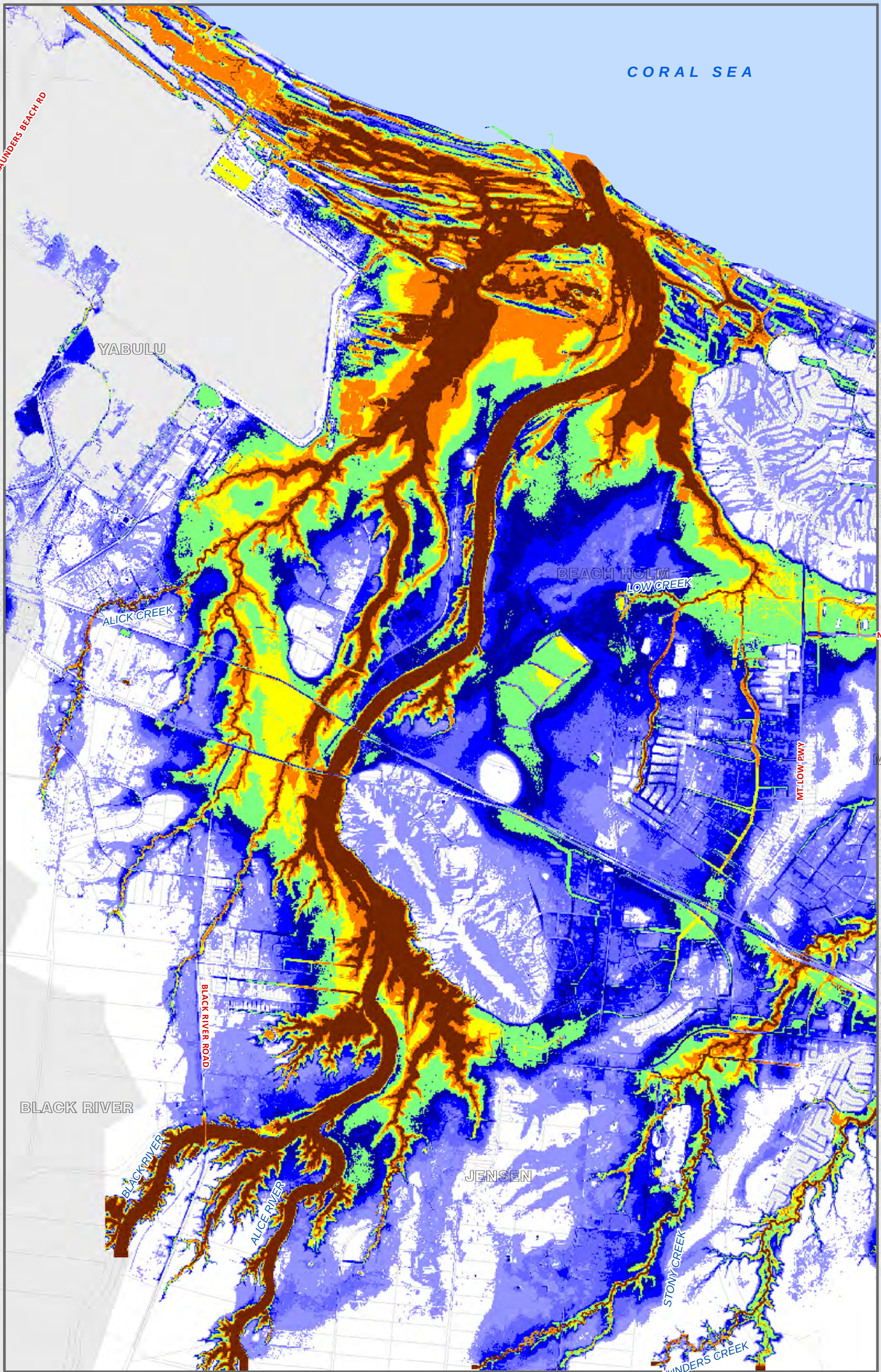
Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Pty Ltd)

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
500 Year ARI
Base Case
Appendix A7



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

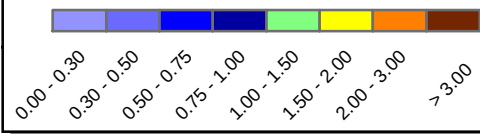
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

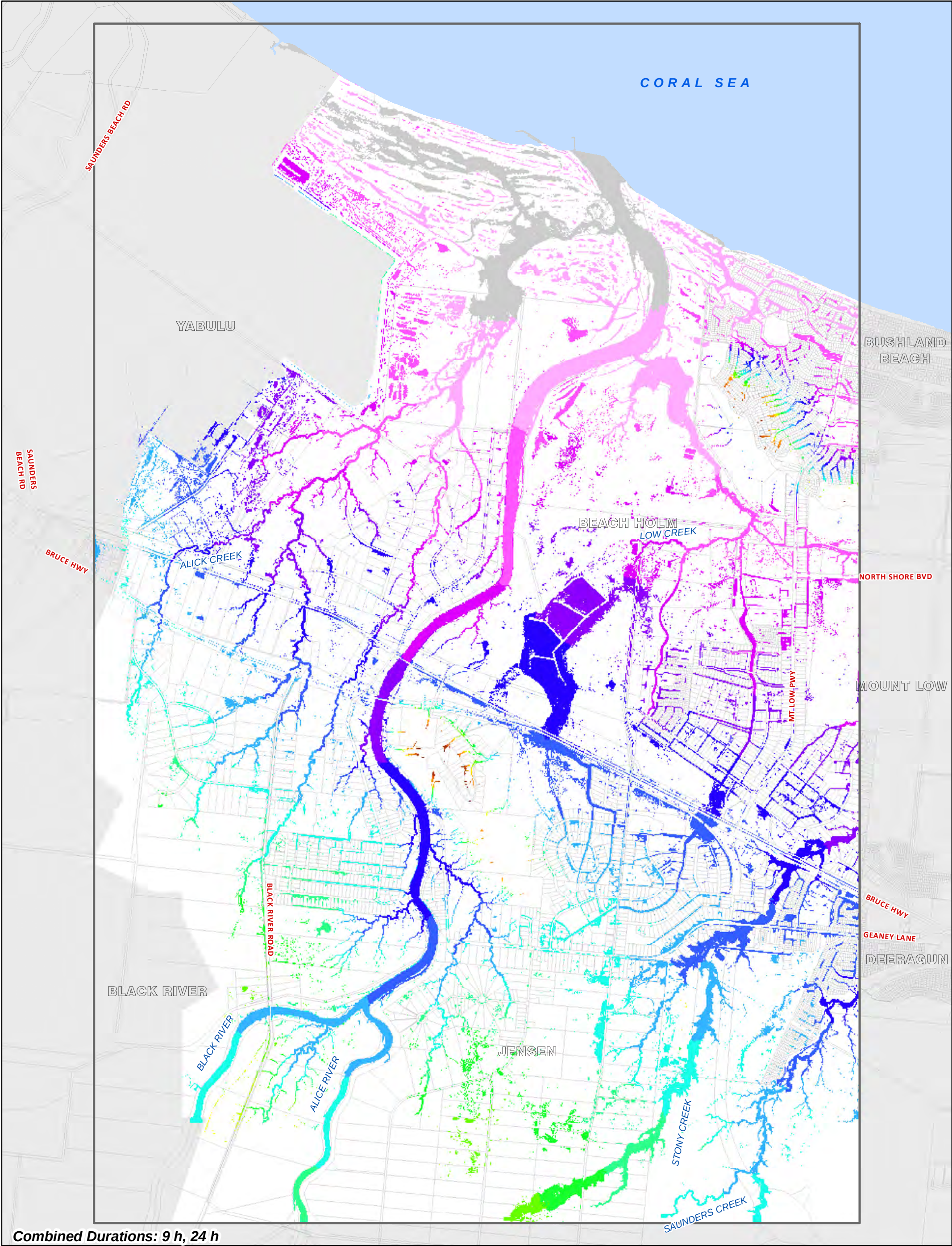
Base Data:
DCM © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Pty Ltd)

Water Depths (m)



BLACK RIVER FLOOD STUDY

Maximum Water Depths
PMF
Base Case
Appendix A8



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

0 0.25 0.5 1 km

Coordinate System: GDA 1994 MGA Zone 55

Water Surface Elevation (m AHD)

0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-26	26-28	28-30	30-40	40-50	50-75	>75
-----	-----	-----	-----	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-----

Base Data:
DODI © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Pty Ltd)

BLACK RIVER FLOOD STUDY

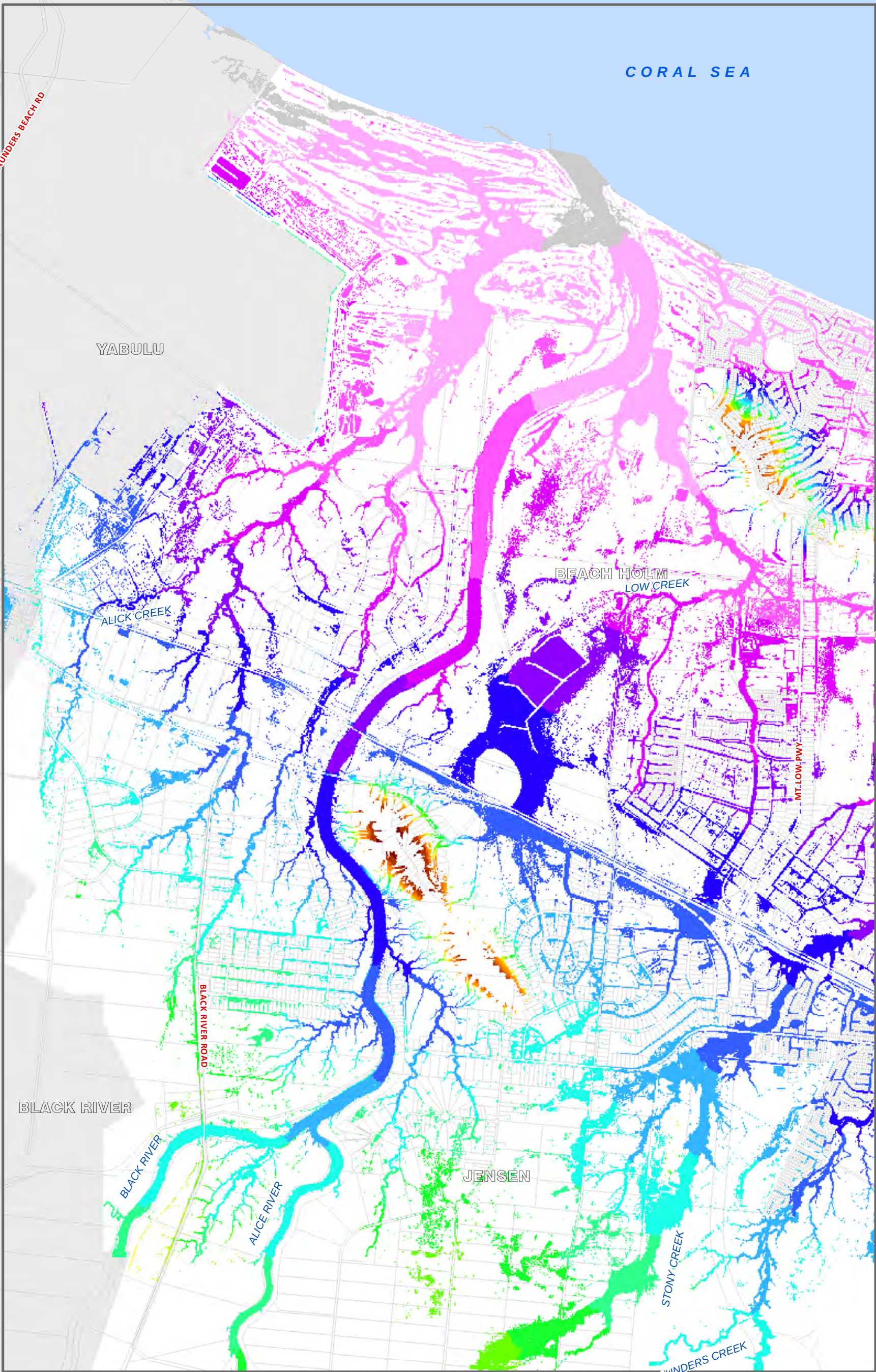
Maximum Water Surface Levels

2 Year ARI

Base Case

Appendix A9

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Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

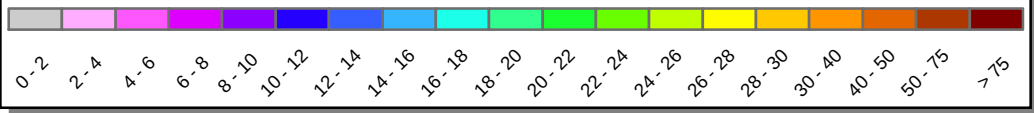
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Pty Ltd)

Water Surface Elevation (m AHD)



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
5 Year ARI
Base Case

Appendix A10

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SAUNDERS BEACH RD

SAUNDERS BEACH RD

BRUCE HWY

YABULU

ALICK CREEK

BLACK RIVER ROAD

BLACK RIVER

BLACK RIVER

ALICE RIVER

JENSEN

STONY CREEK

SAUNDERS CREEK

CORAL SEA

BUSHLAND BEACH

NORTH SHORE BVD

MOUNT LOW

BRUCE HWY

GEANEY LANE

DEERAGUN

BEACH HOLM LOW CREEK

MT LOW PWY

Combined Durations: 9 h, 24 h

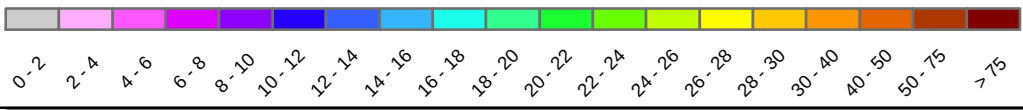
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1:35,000 (when printed at A3)

0 0.25 0.5 1 km

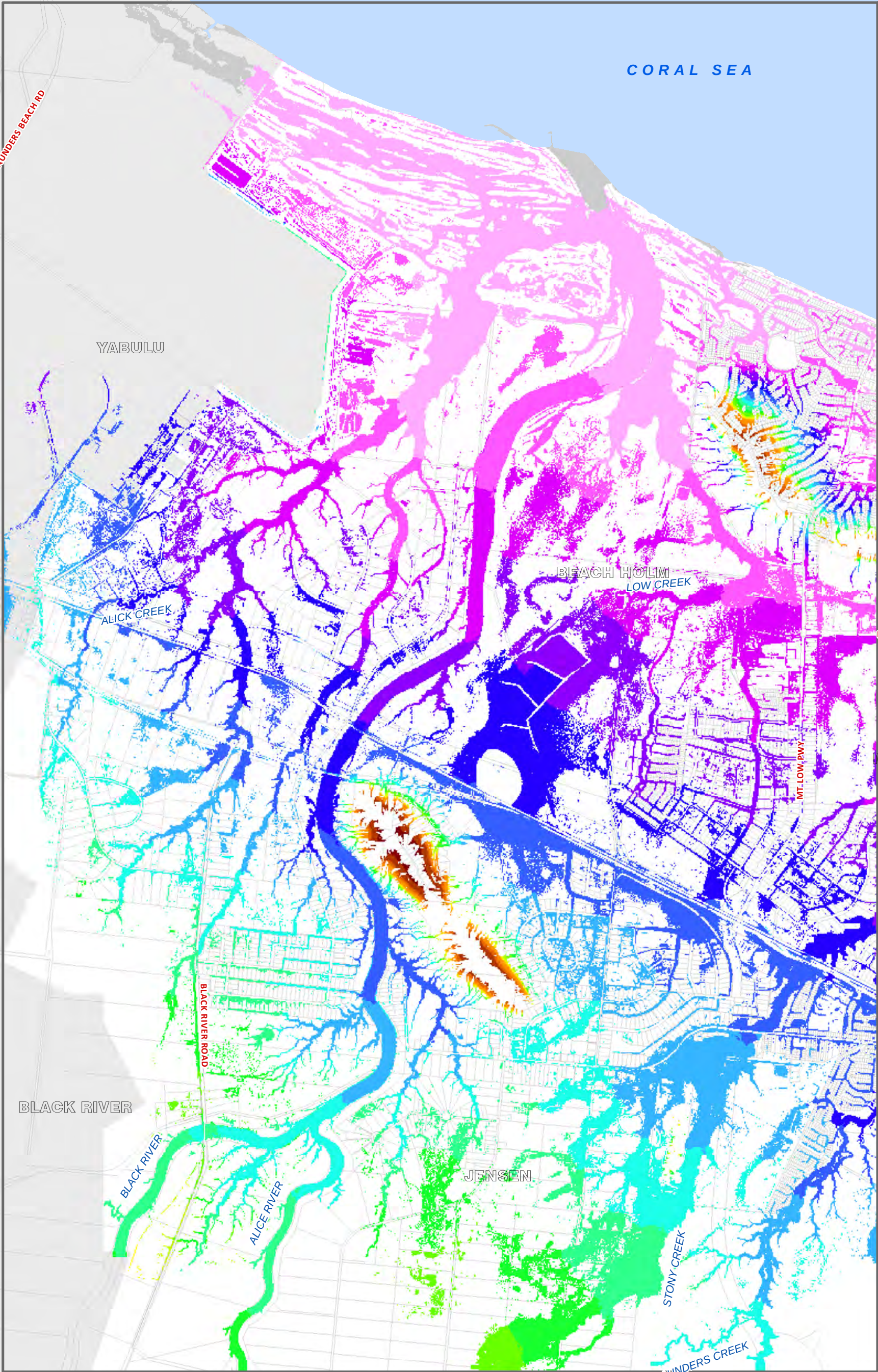


Water Surface Elevation (m AHD)



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
10 Year ARI
Base Case
Appendix A11



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

0 0.25 0.5 1 km

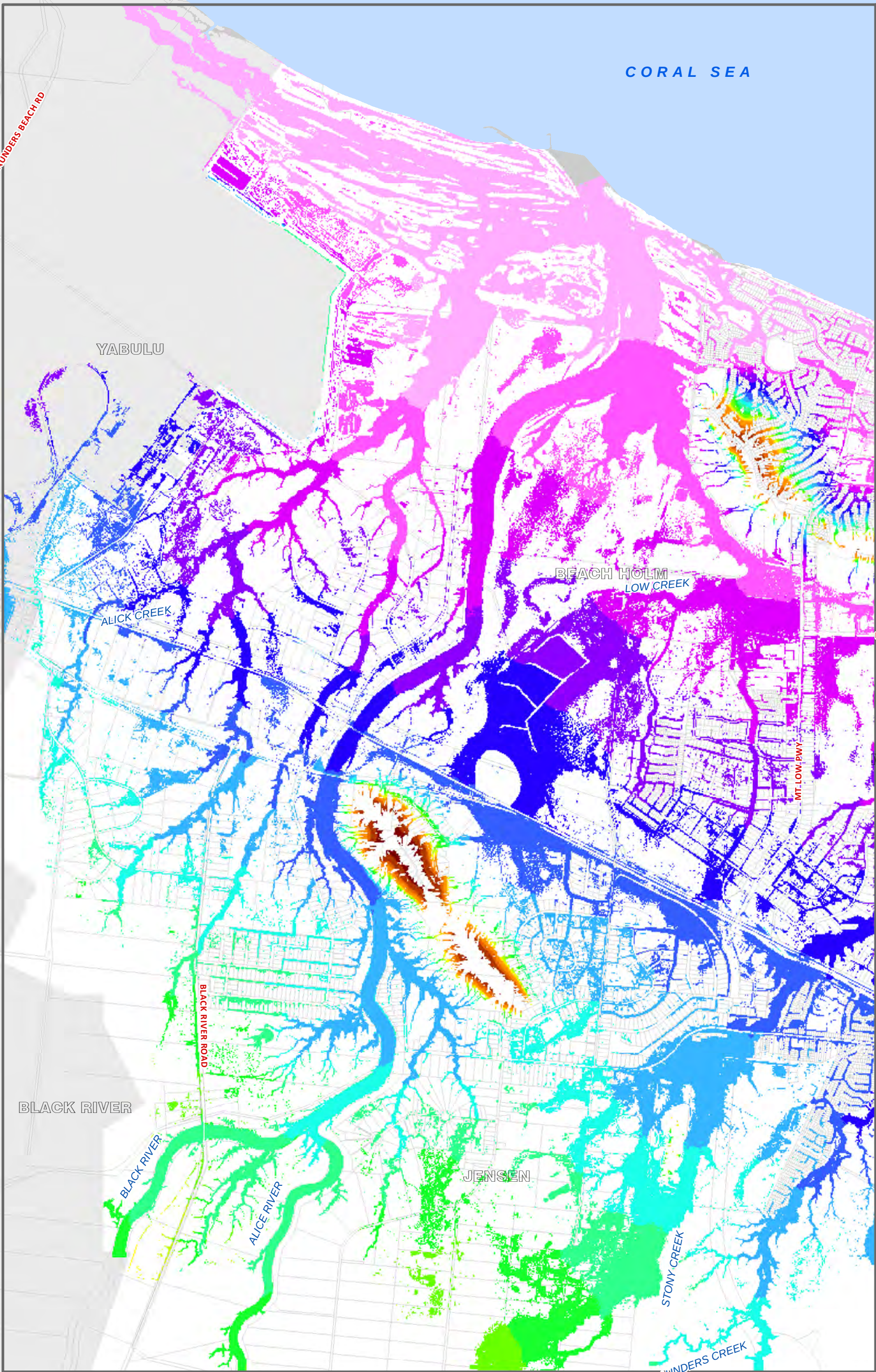


Water Surface Elevation (m AHD)



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
20 Year ARI
Base Case
Appendix A12



Combined Durations: 9 h, 24 h

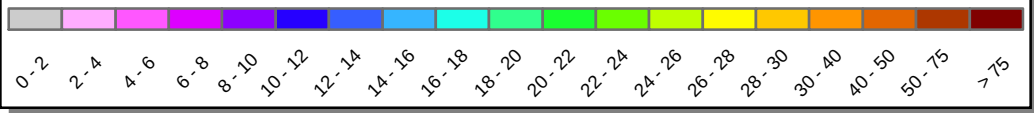


1:35,000 (when printed at A3)

0 0.25 0.5 1 km

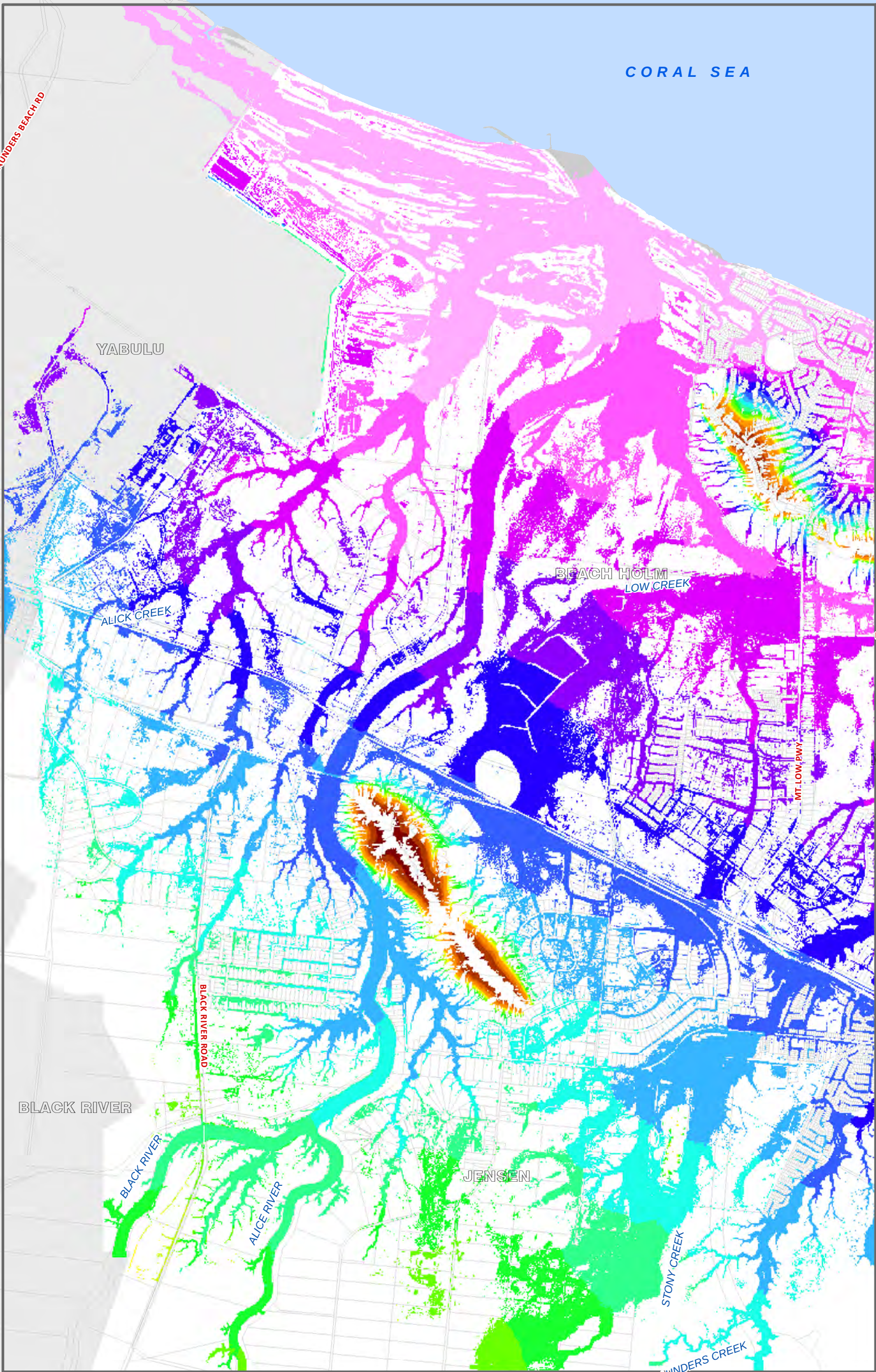


Water Surface Elevation (m AHD)



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
50 Year ARI
Base Case
Appendix A13

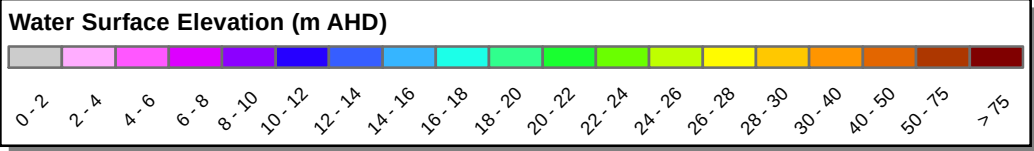


Combined Durations: 3 h, 4.5 h, 6 h, 9 h, 12 h, 18 h, 24 h, 48 h



1:35,000 (when printed at A3)

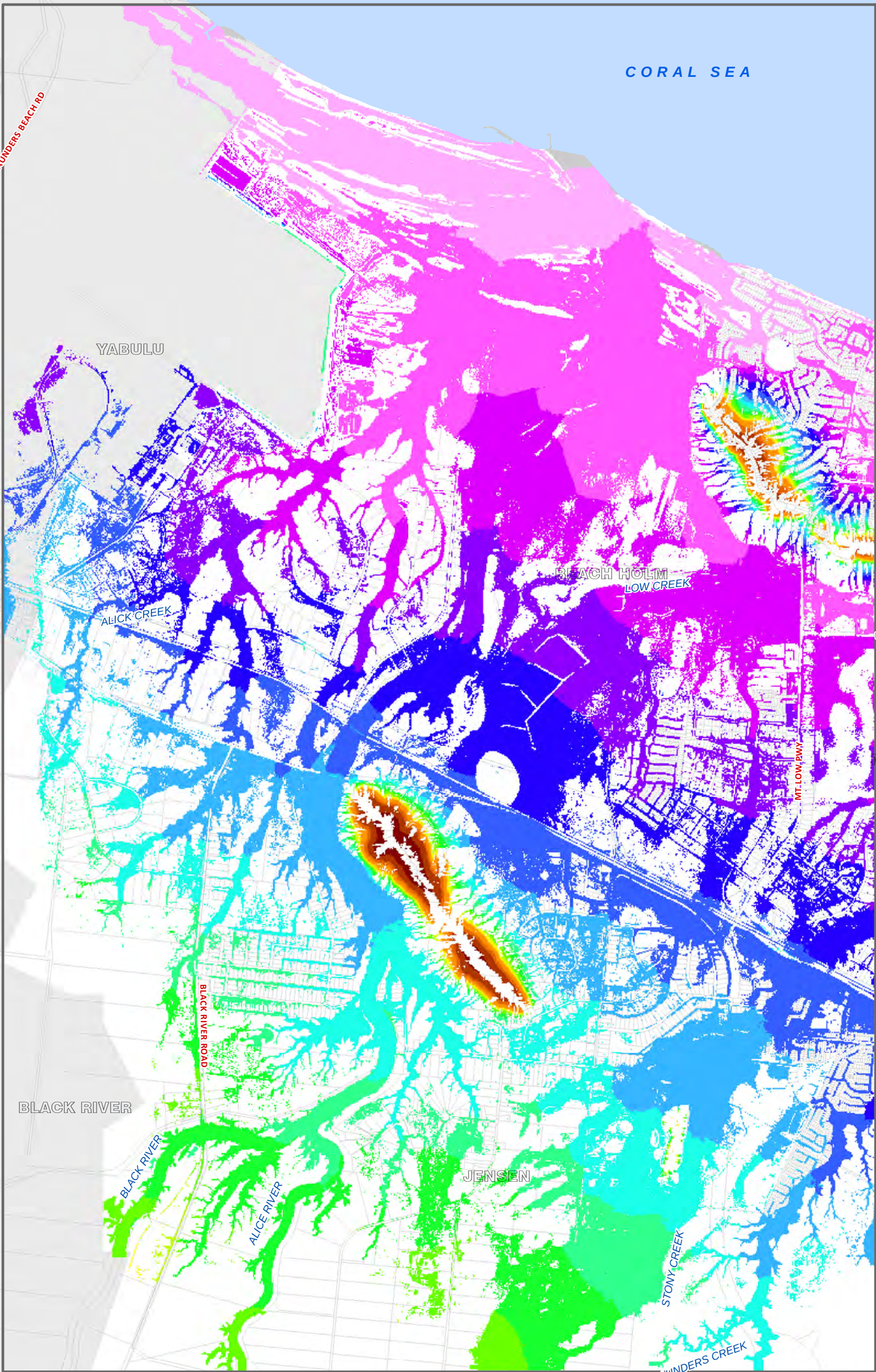
0 0.25 0.5 1 km



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
100 Year ARI
Base Case
Appendix A14

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Combined Durations: 9 h, 24 h

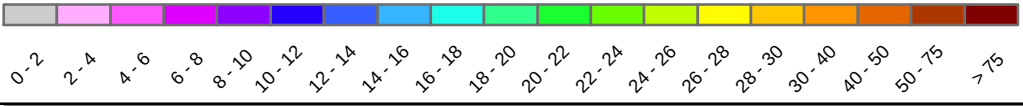


1:35,000 (when printed at A3)

0 0.25 0.5 1 km



Water Surface Elevation (m AHD)

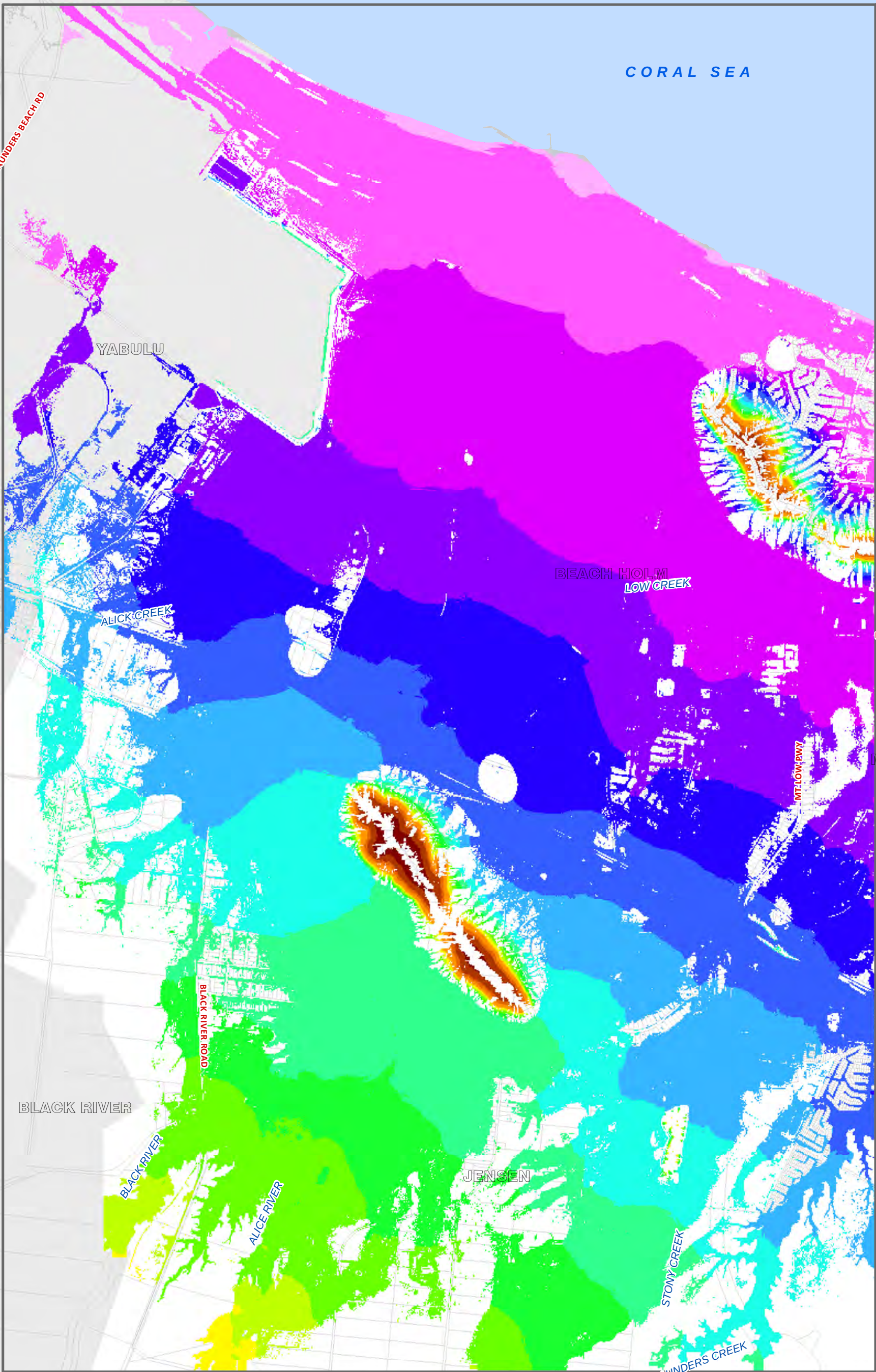


Base Data:
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Roads © 2013 (SurreyPro Private Towers)

BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
500 Year ARI
Base Case
Appendix A15

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Combined Durations: 9 h, 24 h

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1:35,000 (when printed at A3)

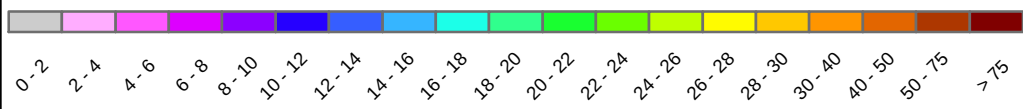
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

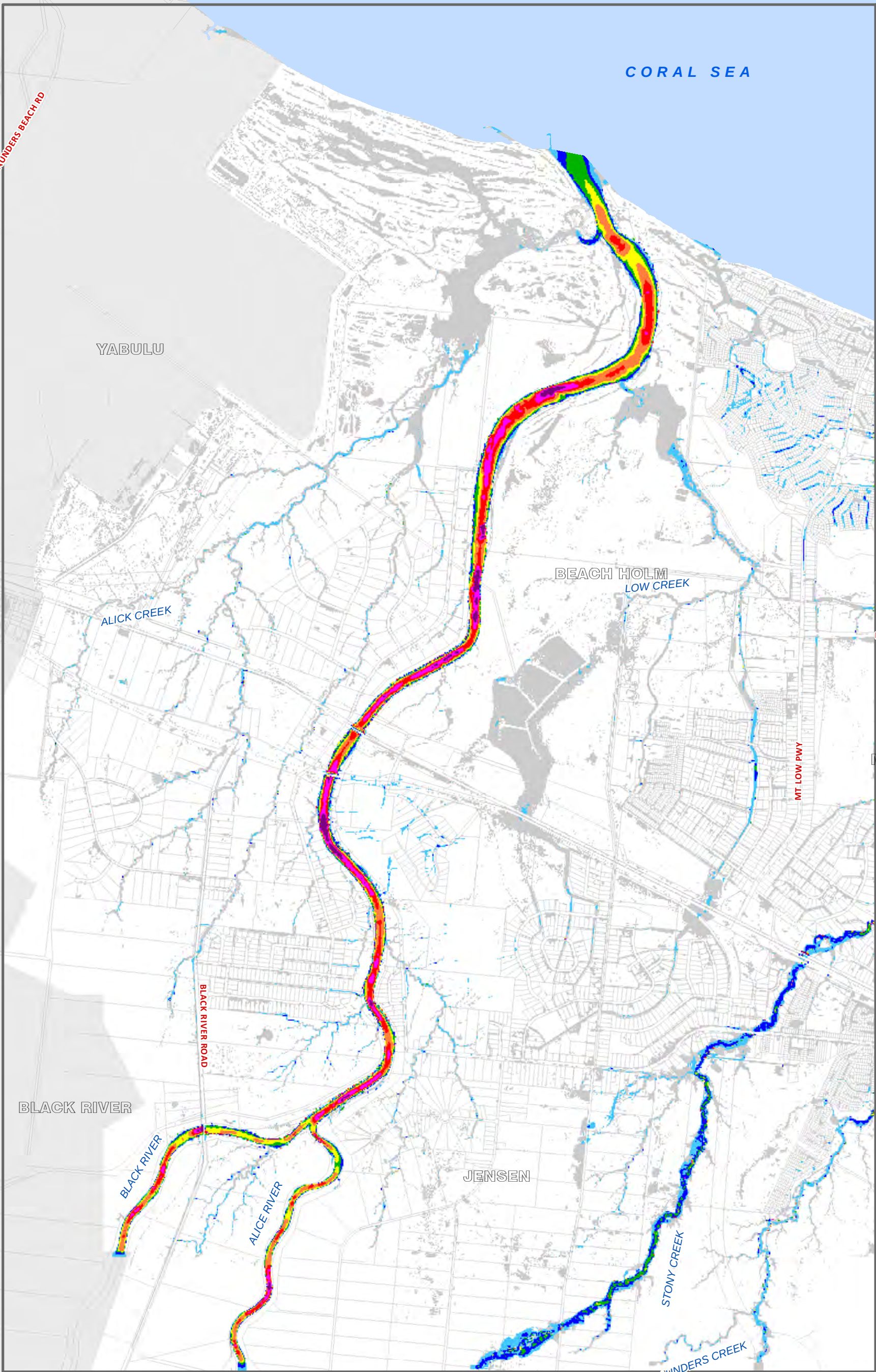
Base Data:
DCD6 © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Pty Ltd)

Water Surface Elevation (m AHD)



BLACK RIVER FLOOD STUDY

Maximum Water Surface Levels
PMF
Base Case
Appendix A16



Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

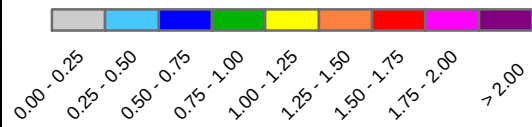
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Bowers)

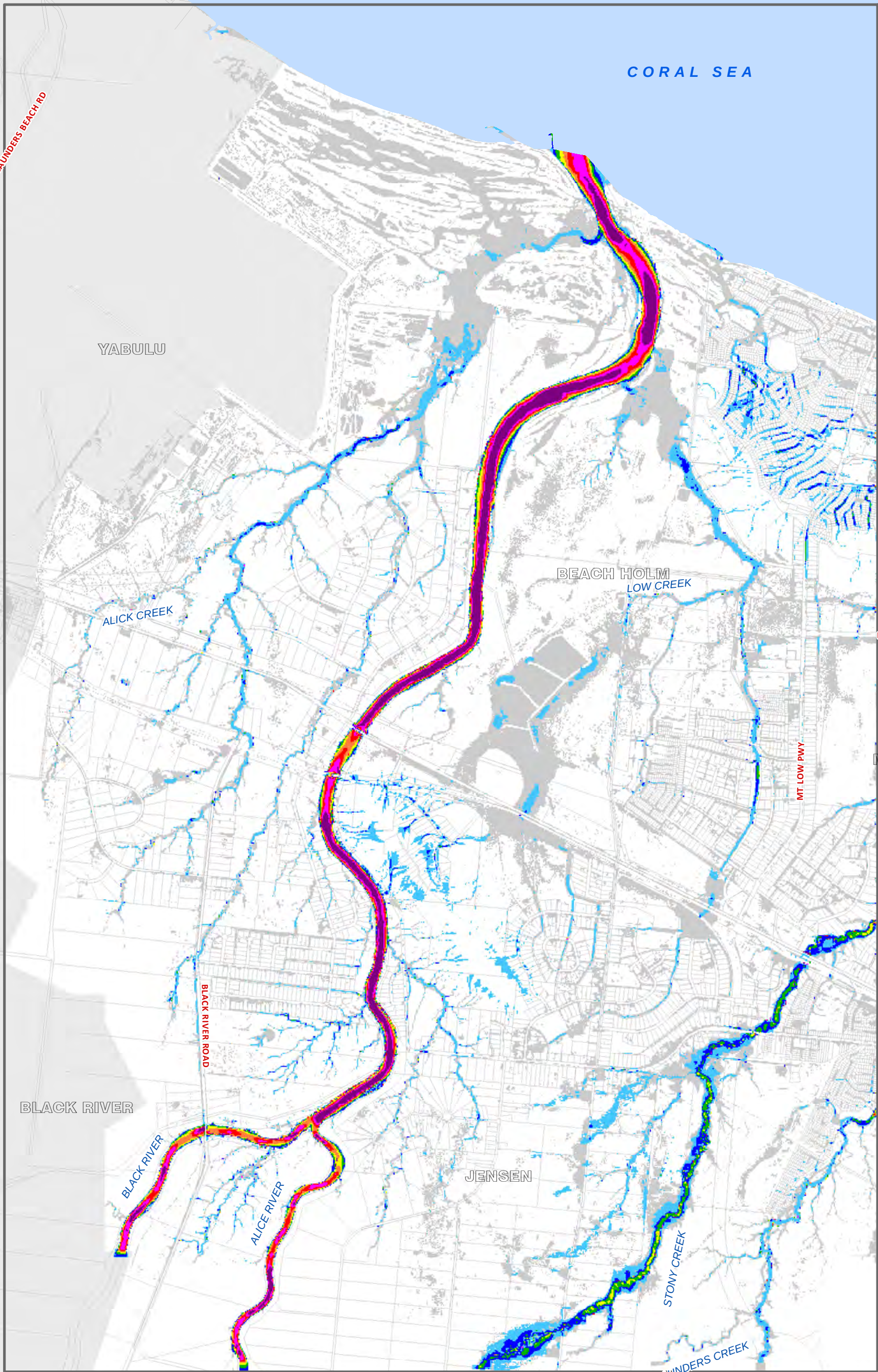
Velocity (m/s)



BLACK RIVER FLOOD STUDY

Maximum Water Velocity
2 Year ARI
Base Case
Appendix A17

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Combined Durations: 9 h, 24 h

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1:35,000 (when printed at A3)

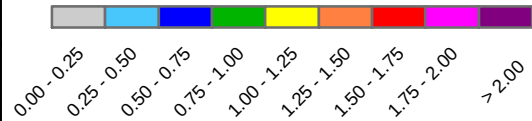
0 0.25 0.5 1 km



Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (StreetPro Private Bows)

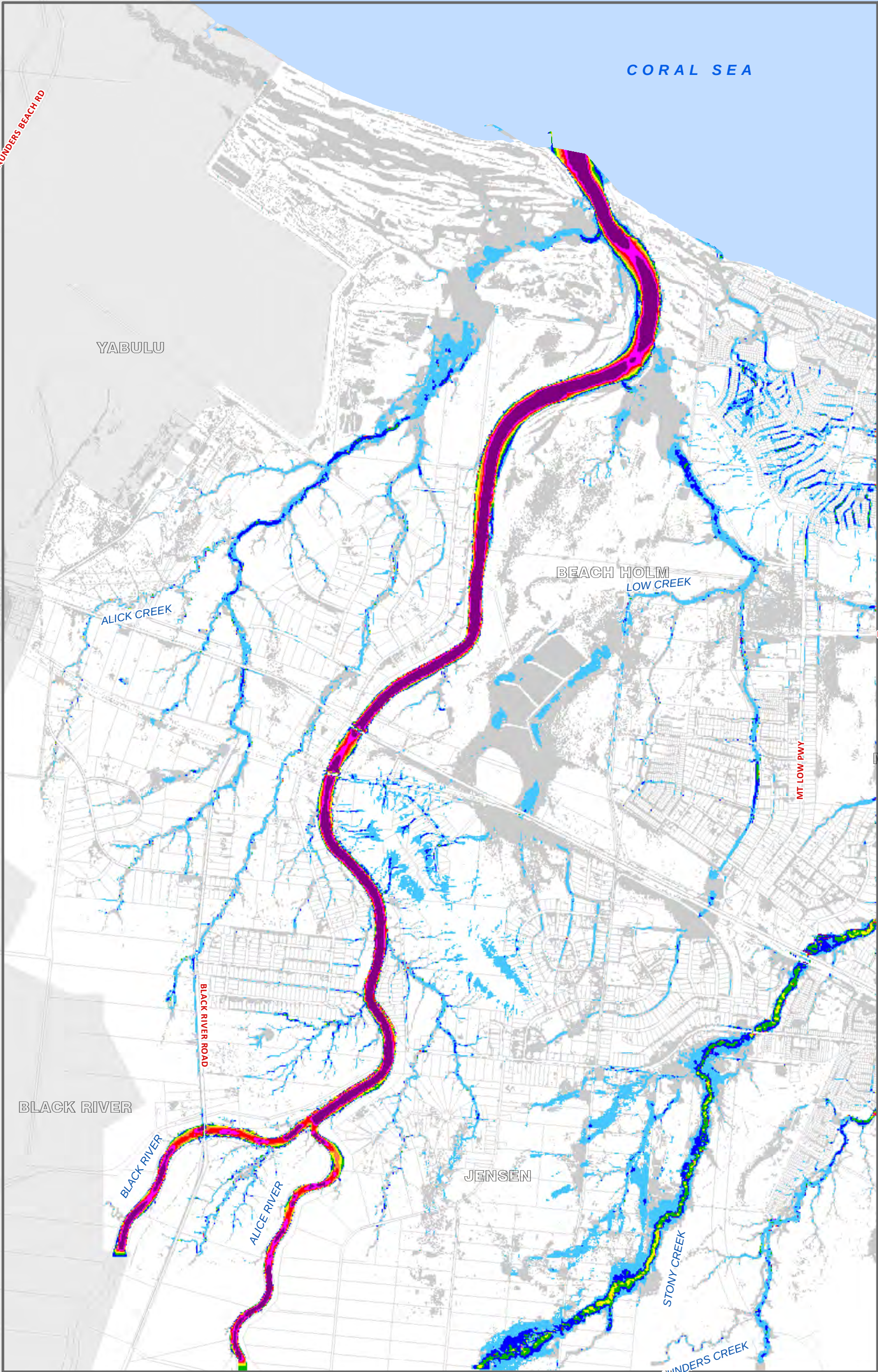
Coordinate System: GDA 1994 MGA Zone 55

Velocity (m/s)



BLACK RIVER FLOOD STUDY

Maximum Water Velocity
5 Year ARI
Base Case
Appendix A18



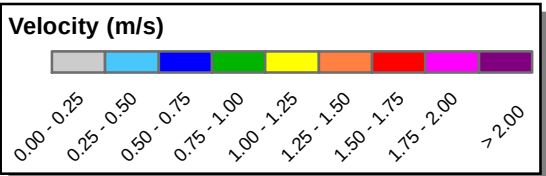
Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

0 0.25 0.5 1 km

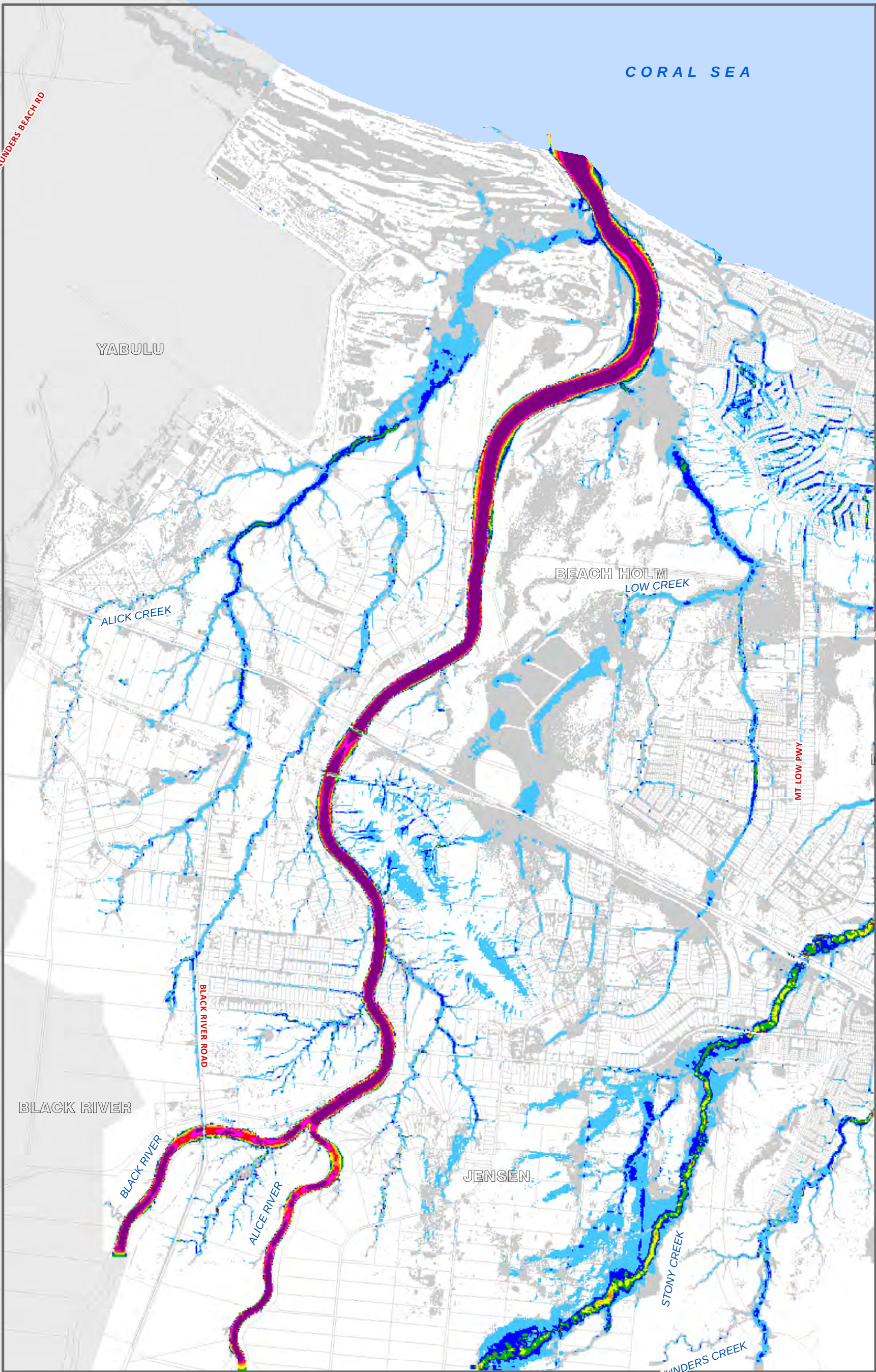
Coordinate System: GDA 1994 MGA Zone 55



BLACK RIVER FLOOD STUDY

Maximum Water Velocity
10 Year ARI
Base Case
Appendix A19

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Combined Durations: 9 h, 24 h



1:35,000 (when printed at A3)

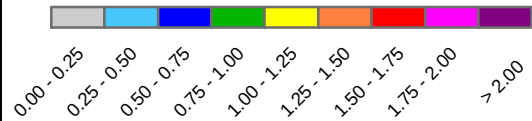
0 0.25 0.5 1 km



Coordinate System: GDA 1994 MGA Zone 55

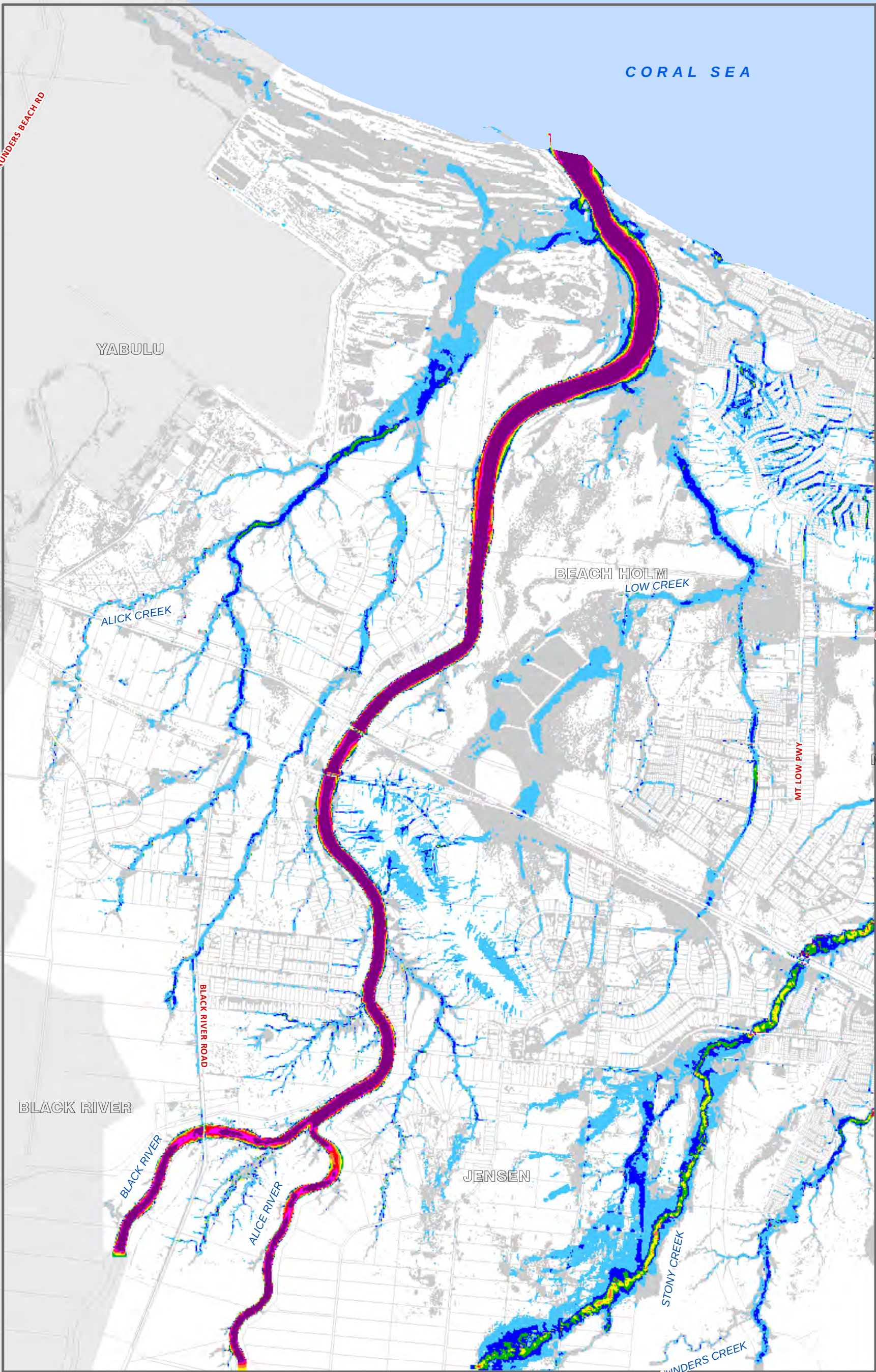
Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Roads)

Velocity (m/s)



BLACK RIVER FLOOD STUDY

Maximum Water Velocity
20 Year ARI
Base Case
Appendix A20



Combined Durations: 9 h, 24 h

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1:35,000 (when printed at A3)

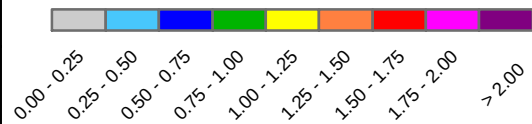
0 0.25 0.5 1 km



Base Data:
DCDR © 2013 (Queensland Govt)
Roads © 2013 (SurreyPro Private Roads)

Coordinate System: GDA 1994 MGA Zone 55

Velocity (m/s)



BLACK RIVER FLOOD STUDY

Maximum Water Velocity
50 Year ARI
Base Case
Appendix A21

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