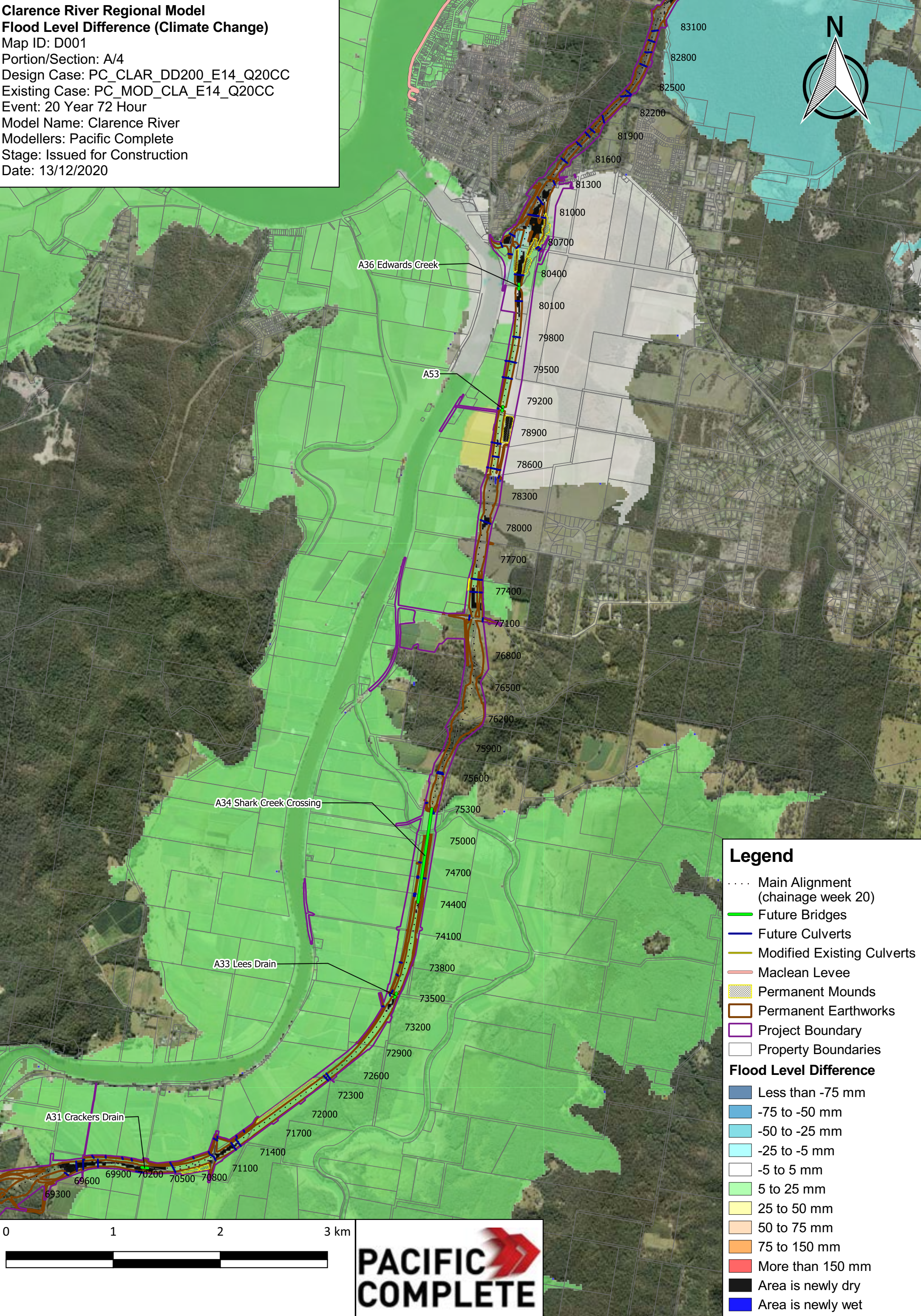


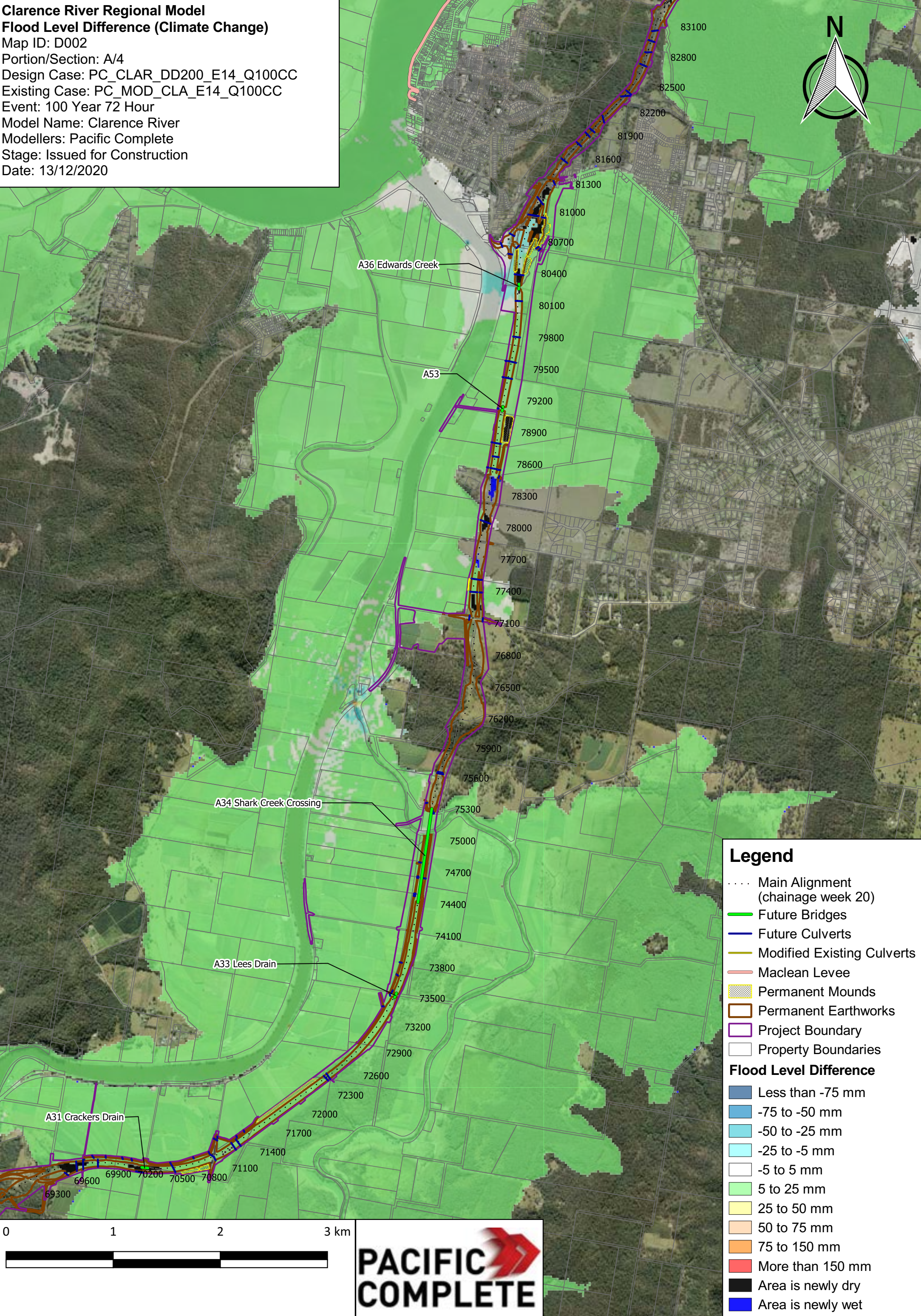
Appendix D

Climate change and extreme event flood maps for Clarence River regional floodplain

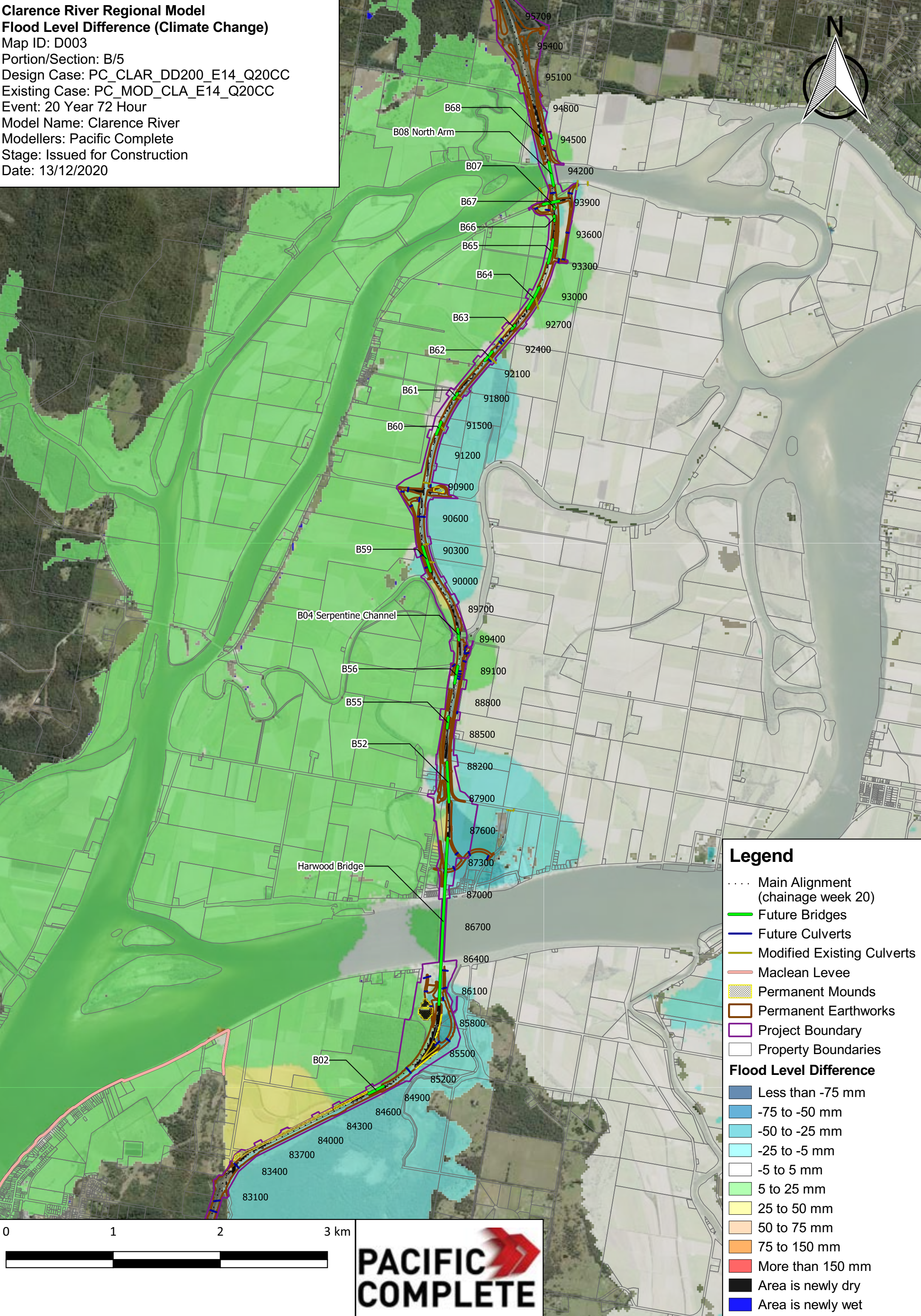
Clarence River Regional Model
Flood Level Difference (Climate Change)
Map ID: D001
Portion/Section: A/4
Design Case: PC_CLAR_DD200_E14_Q20CC
Existing Case: PC_MOD_CLA_E14_Q20CC
Event: 20 Year 72 Hour
Model Name: Clarence River
Modellers: Pacific Complete
Stage: Issued for Construction
Date: 13/12/2020



Clarence River Regional Model
Flood Level Difference (Climate Change)
Map ID: D002
Portion/Section: A/4
Design Case: PC_CLAR_DD200_E14_Q100CC
Existing Case: PC_MOD_CLA_E14_Q100CC
Event: 100 Year 72 Hour
Model Name: Clarence River
Modellers: Pacific Complete
Stage: Issued for Construction
Date: 13/12/2020



Clarence River Regional Model
Flood Level Difference (Climate Change)
Map ID: D003
Portion/Section: B/5
Design Case: PC_CLAR_DD200_E14_Q20CC
Existing Case: PC_MOD_CLA_E14_Q20CC
Event: 20 Year 72 Hour
Model Name: Clarence River
Modellers: Pacific Complete
Stage: Issued for Construction
Date: 13/12/2020

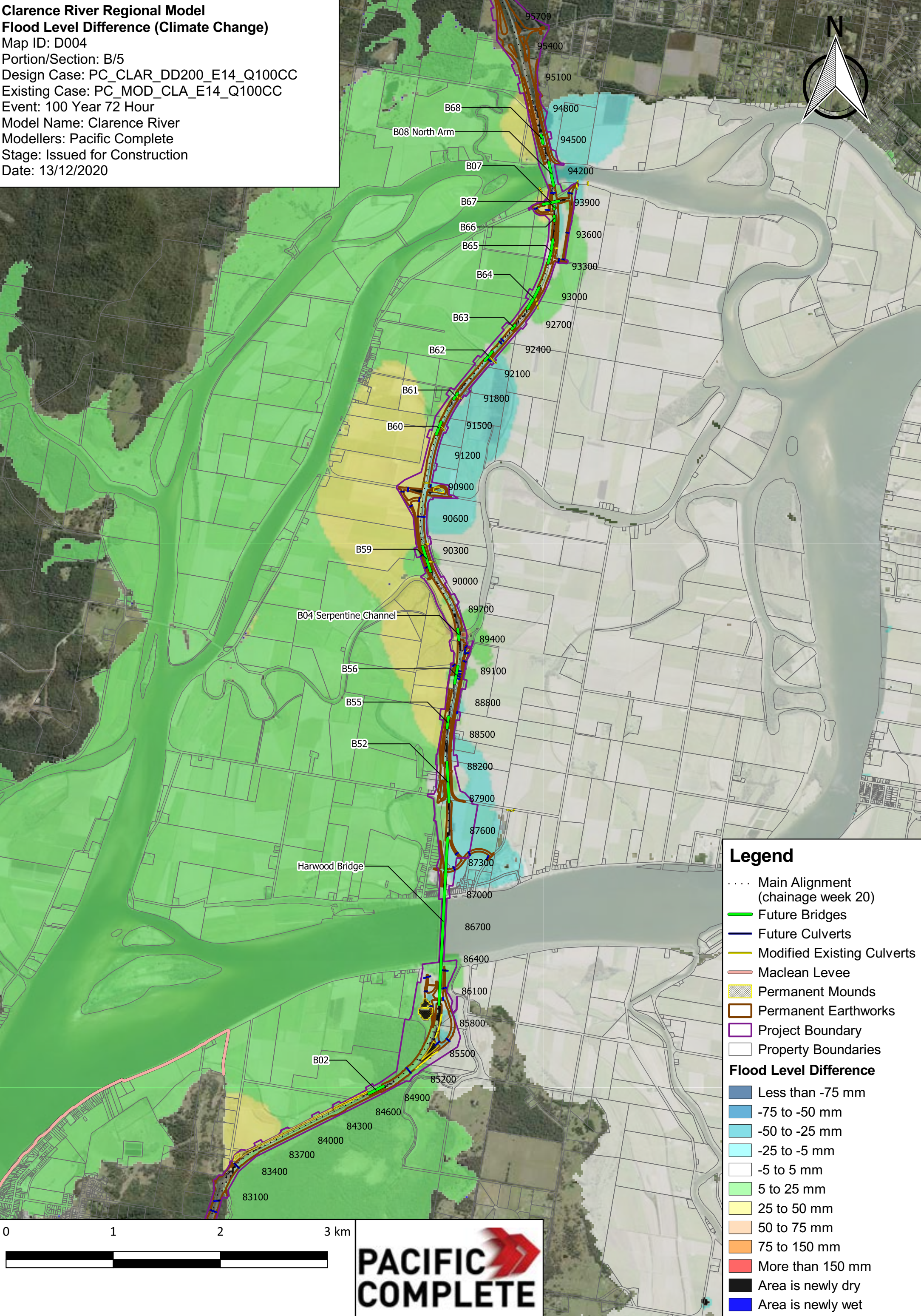


Legend

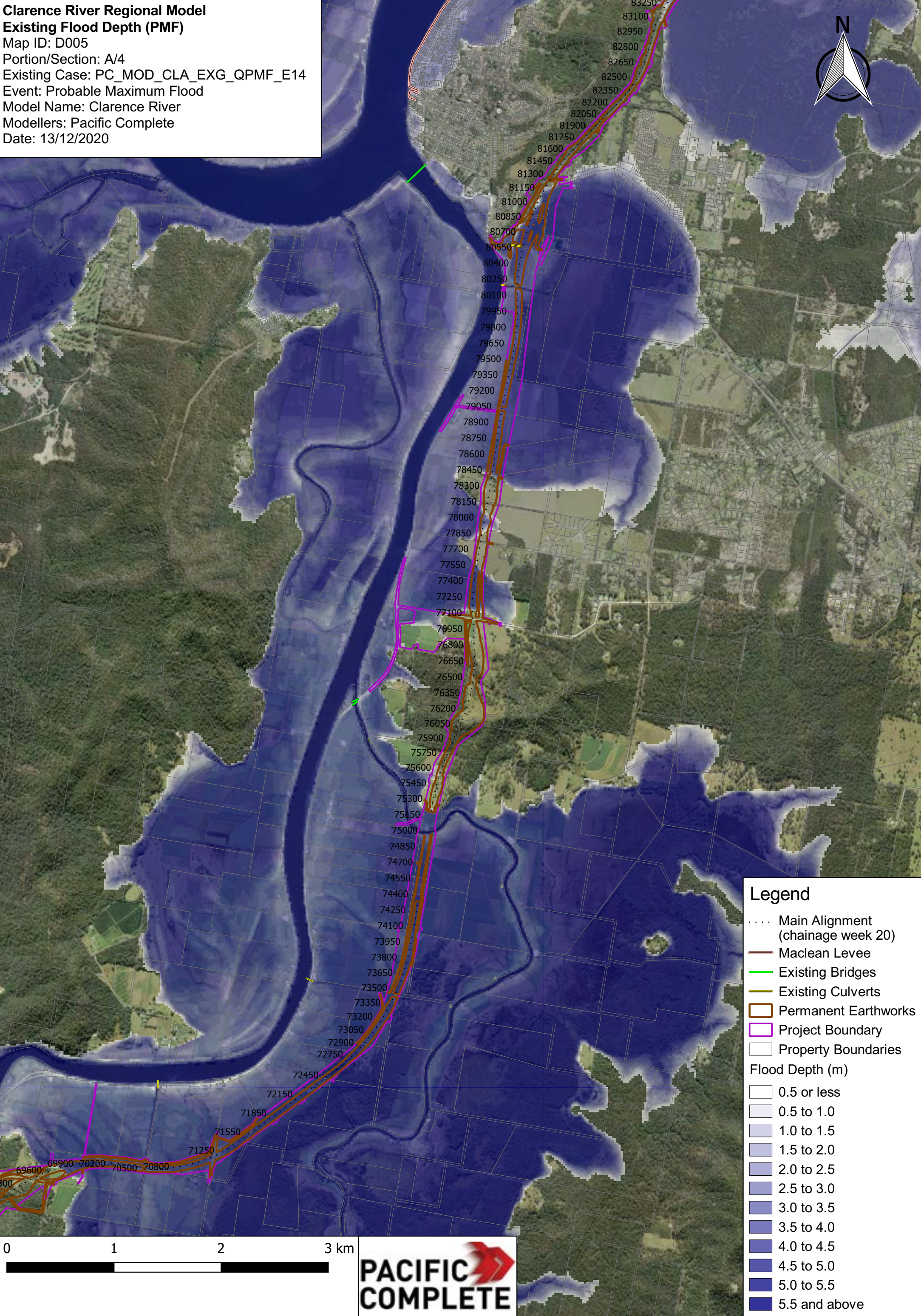
- ... Main Alignment (chainage week 20)
 - Future Bridges
 - Future Culverts
 - Modified Existing Culverts
 - Maclean Levee
 - Permanent Mounds
 - Permanent Earthworks
 - Project Boundary
 - Property Boundaries
- Flood Level Difference**
- Less than -75 mm
 - 75 to -50 mm
 - 50 to -25 mm
 - 25 to -5 mm
 - 5 to 5 mm
 - 5 to 25 mm
 - 25 to 50 mm
 - 50 to 75 mm
 - 75 to 150 mm
 - More than 150 mm
 - Area is newly dry
 - Area is newly wet



Clarence River Regional Model
Flood Level Difference (Climate Change)
Map ID: D004
Portion/Section: B/5
Design Case: PC_CLAR_DD200_E14_Q100CC
Existing Case: PC_MOD_CLA_E14_Q100CC
Event: 100 Year 72 Hour
Model Name: Clarence River
Modellers: Pacific Complete
Stage: Issued for Construction
Date: 13/12/2020



Clarence River Regional Model
Existing Flood Depth (PMF)
Map ID: D005
Portion/Section: A/4
Existing Case: PC_MOD_CLA_EXG_QPMF_E14
Event: Probable Maximum Flood
Model Name: Clarence River
Modellers: Pacific Complete
Date: 13/12/2020



Legend

- Main Alignment
(chainage week 20)
- Maclean Levee
- Existing Bridges
- Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

Flood Depth (m)

- 0.5 or less
- 0.5 to 1.0
- 1.0 to 1.5
- 1.5 to 2.0
- 2.0 to 2.5
- 2.5 to 3.0
- 3.0 to 3.5
- 3.5 to 4.0
- 4.0 to 4.5
- 4.5 to 5.0
- 5.0 to 5.5
- 5.5 and above

0 1 2 3 km



Clarence River Regional Model
Existing Flood Depth (PMF)
Map ID: D006
Portion/Section: B/5
Existing Case: PC_MOD_CLA_EXG_QPMF_E14
Event: Probable Maximum Flood
Model Name: Clarence River
Modellers: Pacific Complete
Date: 13/12/2020

