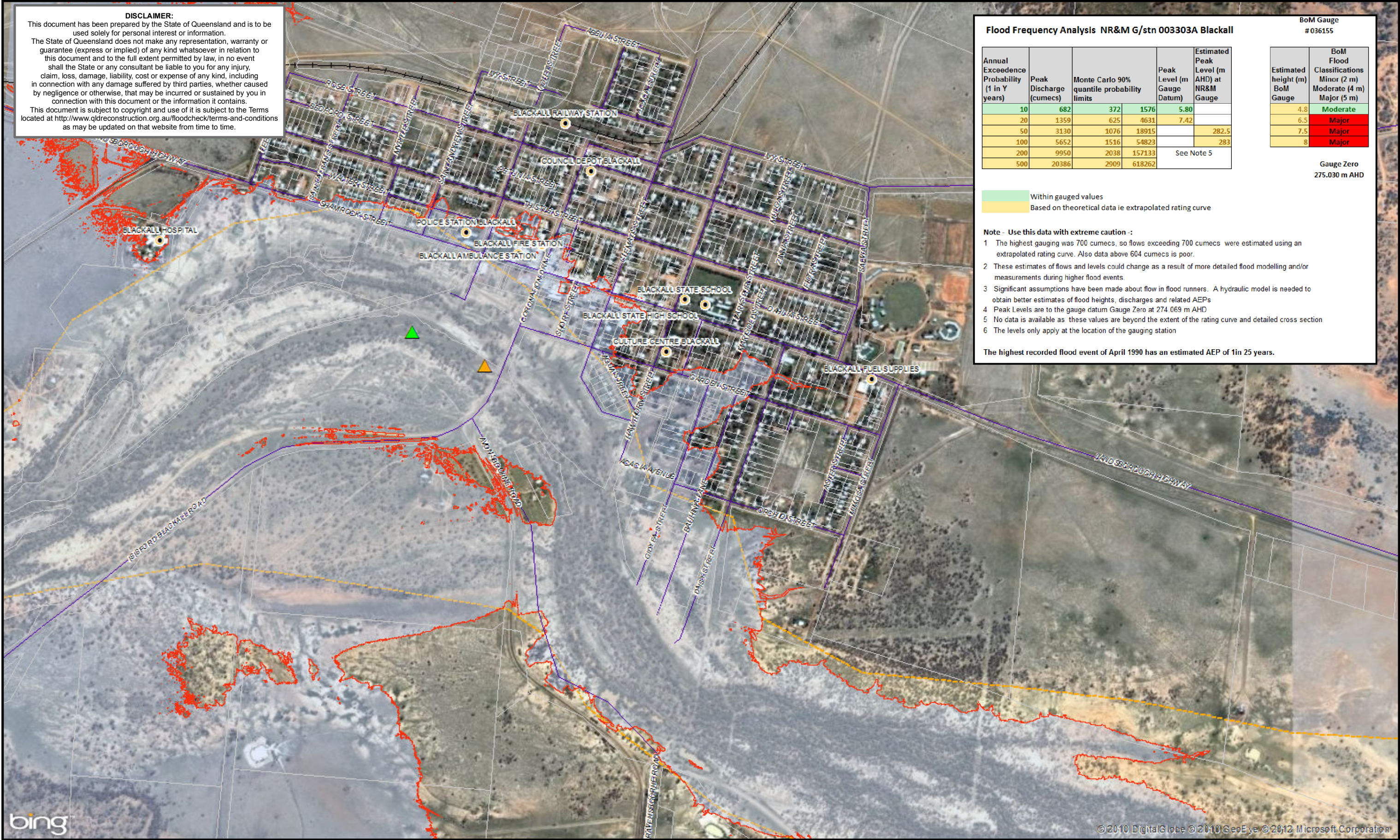


Appendix C

MAPS 1-7: QUEENSLAND RECONSTRUCTION AUTHORITY FLOOD MAPPING



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Points of interest
Roads
Rail
Interpolated flood line
BOM gauging station
NRM gauging station
Cadastre
Interim Floodplain Assessment Overlay

Local Authority: Blackall Tambo Regional Council
Locality: Blackall
Datum: Horizontal- Geocentric Datum of Australia 1994 (GDA94)
Projection: Horizontal- Geocentric Datum of Australia 1994 (GDA94)

0 100 200 300 400
Metres
Scale at A3 - 1:14,000
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Flood Investigation Level 2
Map 1 Blackall
Draft Indicative Extent
of Flood Event
(April 1990)
[7.3m at BOM Gauge # 036155]

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11/10/2012
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Flood Frequency Analysis NR&M G/stn 003303A Blackall

| Annual Exceedence Probability (1 in Y years) | Peak Discharge (cumecs) | Monte Carlo 90% quantile probability limits | Peak Level (m Gauge Datum) | Estimated Peak Level (m AHD) at NR&M Gauge |
|--|-------------------------|---|----------------------------|--|
| 10 | 682 | 372 | 1576 | 5.80 |
| 20 | 1359 | 625 | 4631 | 7.42 |
| 50 | 3130 | 1076 | 18915 | 282.5 |
| 100 | 5652 | 1516 | 54823 | 283 |
| 200 | 9950 | 2038 | 157133 | See Note 5 |
| 500 | 20386 | 2909 | 618262 | |

| BoM Gauge #036155 | | |
|--------------------------------|---------------------------|----------|
| Estimated height (m) BoM Gauge | BoM Flood Classifications | |
| 4.8 | Minor (2 m) | Moderate |
| 6.5 | Moderate (4 m) | Major |
| 7.5 | Major (5 m) | Major |
| 8 | Major | Major |

Gauge Zero
275.030 m AHD

Within gauged values
Based on theoretical data ie extrapolated rating curve

- Note - Use this data with extreme caution -**
- The highest gauging was 700 cumecs, so flows exceeding 700 cumecs were estimated using an extrapolated rating curve. Also data above 604 cumecs is poor.
 - These estimates of flows and levels could change as a result of more detailed flood modelling and/or measurements during higher flood events.
 - Significant assumptions have been made about flow in flood runners. A hydraulic model is needed to obtain better estimates of flood heights, discharges and related AEPs
 - Peak Levels are to the gauge datum Gauge Zero at 274.069 m AHD
 - No data is available as these values are beyond the extent of the rating curve and detailed cross section
 - The levels only apply at the location of the gauging station

The highest recorded flood event of April 1990 has an estimated AEP of 1 in 25 years.

| Planning Scheme | | | |
|--------------------|----------------------------------|--|---------------------|
| Business or Centre | Public Recreation and Open Space | Residential | Road |
| Community Purposes | Emerging Communities | Environment Conservation and Management | Extractive Industry |
| Industry | Innovation | Limited Development and Constrained Land | Mixed Use |
| Rural Residential | Rural and Rural Activity | Special Use Zone | Township |
| Unknown or Unzoned | | | |

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Points of Interest
Roads
Rail
BOM gauging station
NRM gauging station
Interpolated flood line
Contour (1m interval)
Cadastre

Local Authority: Blackall Tambo Regional Council
Locality: Blackall
Datum: Horizontal- Geocentric Datum of Australia 1994 (GDA94)
Projection: Horizontal- Geocentric Datum of Australia 1994 (GDA94)

0 100 200 300 400
Metres
Scale at A3 - 1:14,000

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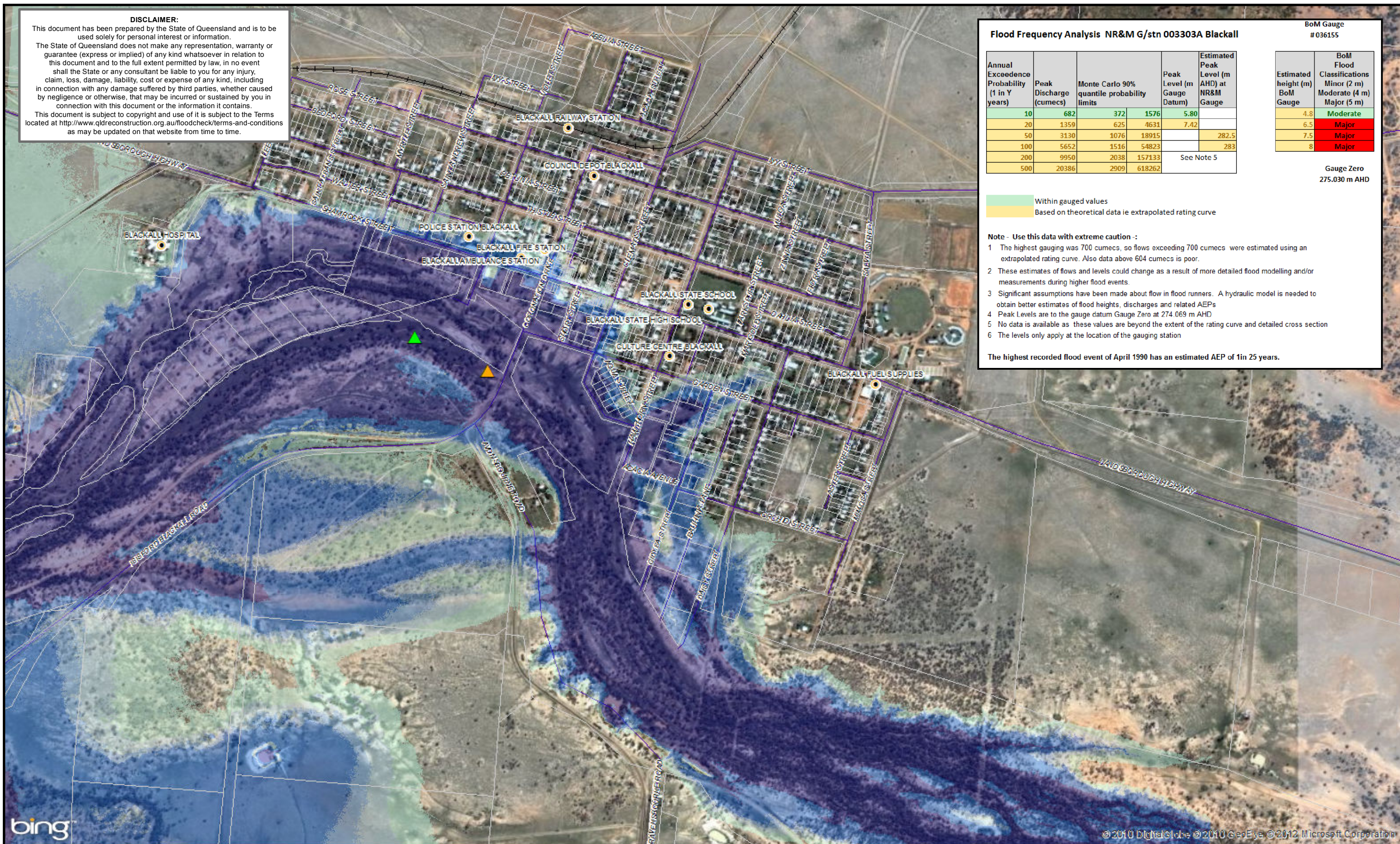
**Flood Investigation Level 2
Map 2 Blackall
Planning Scheme and
Draft Indicative Extent
of Flood Event
(April 1990)
[7.3m at BOM Gauge # 036155]**

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11/10/2012
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Queensland Reconstruction Authority

— Ra


Cadastre

 0.5 - 0.8

1

Datum: Horizontal- Geocentric Datum of Australia 1994 (GDA94)

Projection: Horizontal- Geocentric Datum of Australia 1994 (GDA94)



Metres

Scale at A3 - 1:14,000

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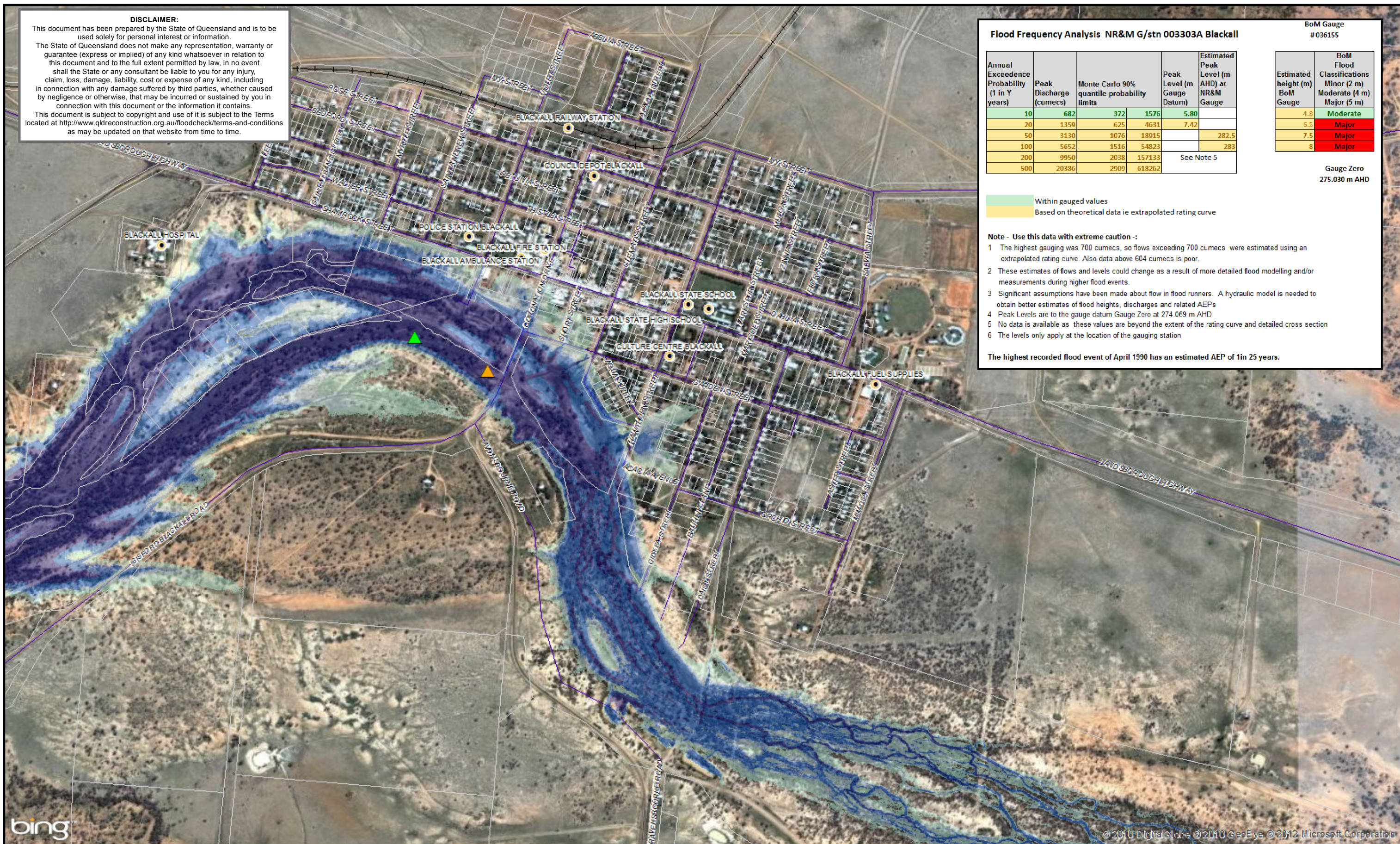
**Flood Investigation Level 2
Map 3 Blackall
Draft Indicative Extent and
Depth of Flood Event
(April 1990)
[7.3m at BOM Gauge # 036155]**

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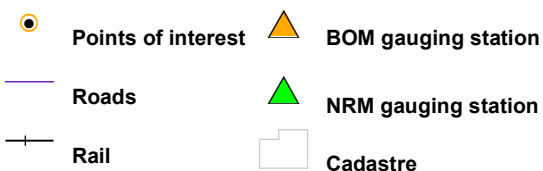
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Queensland Reconstruction Authority



Depth (m)

| | | | |
|---|-----------|---|---------|
|  | 0 - 0.5 |  | 0.8 - 1 |
|  | 0.5 - 0.8 |  | 1-2 |
| | |  | >2 |

Local Authority: Blackall Tambo Regional Council

| | |
|--------------------|--|
| Locality: | Blackall |
| Datum: | Horizontal- Geocentric Datum of Australia 1994 (GDA94) |
| Projection: | Horizontal- Geocentric Datum of Australia 1994 (GDA94) |



0 100 200 300 400

Metres

Scale at A3 - 1:14,000

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Flood Investigation Level 2
Map 4 Blackall
Draft Indicative Extent and Depth
of Estimated Flood AEP 1 in 10 yrs
[4.9m at BOM Gauge # 036155]

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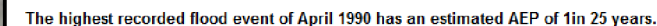
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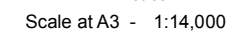
— Rail

| | |
|-------------|-----------------|
| Rail | Cadastro |
|-------------|-----------------|

0.5 - 0.8



Projection: Horizontal- Geocentric Datum of Australia 1994 (GDA94)



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Flood Investigation Level 2
Map 6 Blackall
 Draft Indicative Extent and Depth
 of Estimated Flood AEP 1 in 50 yrs
[7.5m at BOM Gauge # 036155]

1