

APPENDIX

X

INLAND
RAIL 

Traffic Impact Assessment

Part 2 of 4

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

APPENDIX

X

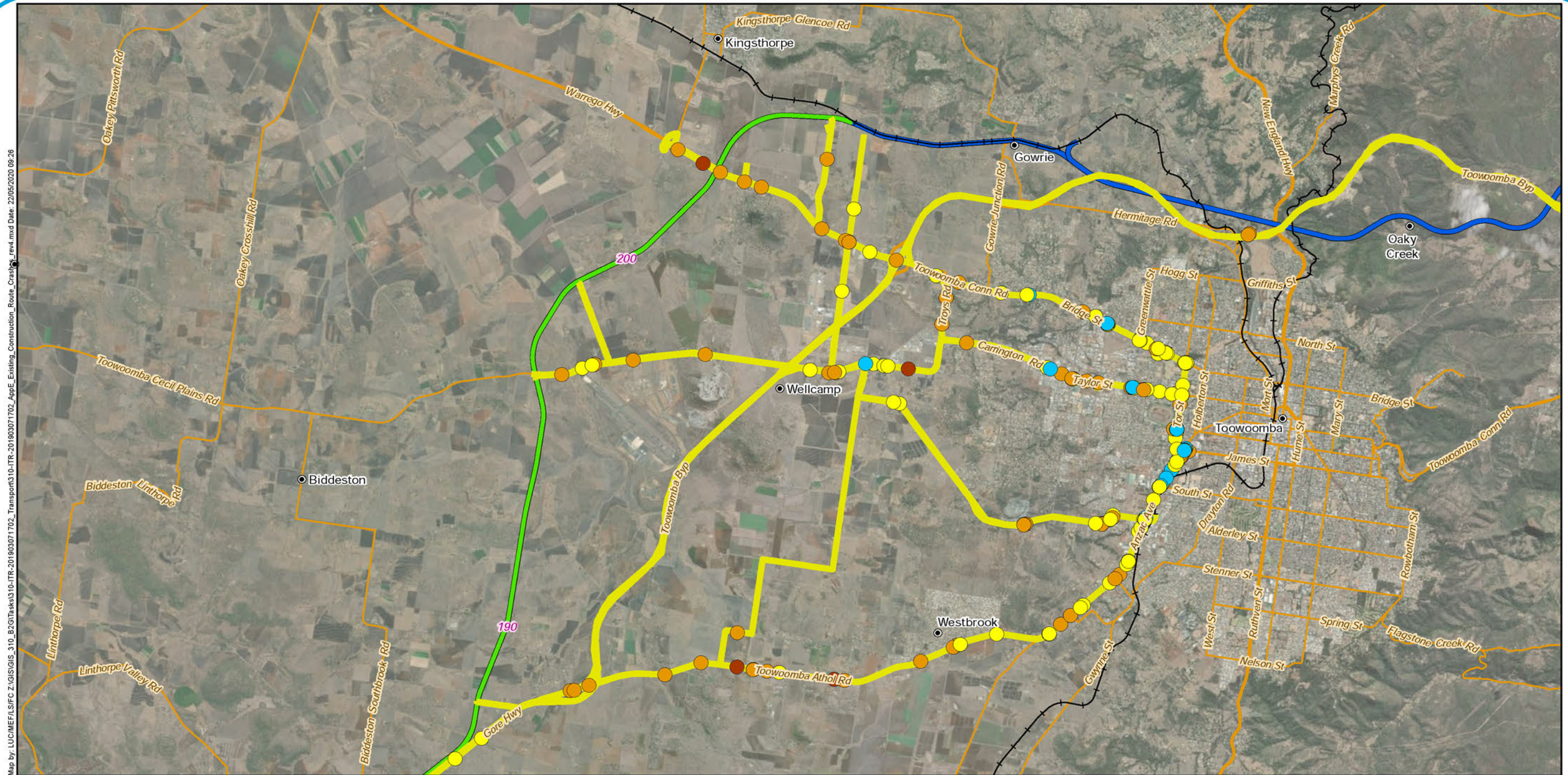
Traffic Impact Assessment

Appendix E Existing Construction Route Crashes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix E

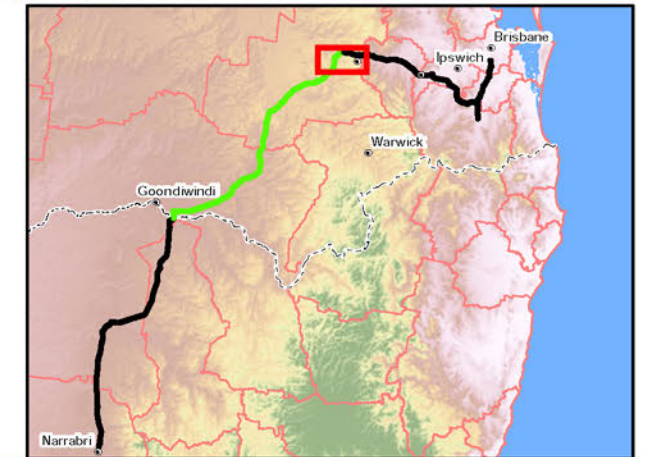
Existing construction route crashes



Map by: LUCIMEF\SLFC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26

Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Border to Gowrie alignment | Hospitalisation |
| Gowrie to Helidon alignment | Medical treatment |
| Existing rail (operational) | Minor injury |
| Major roads | |
| Minor roads | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



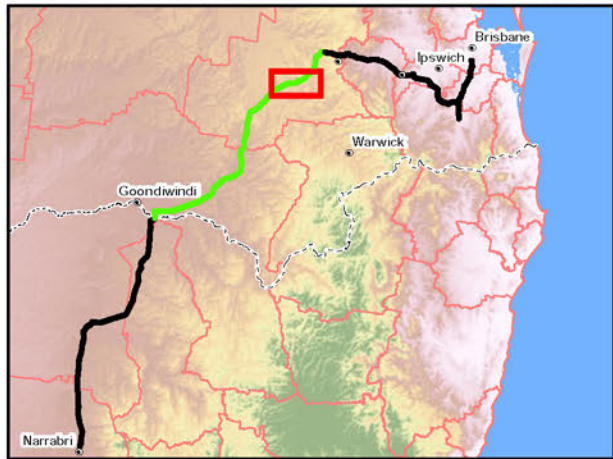
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Legend

- 5 Chainage (km)
- Localities
- Border to Gowrie alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Major roads
- Minor roads
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



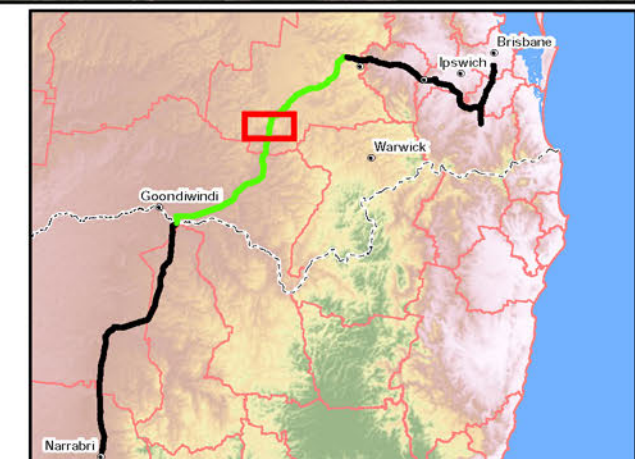
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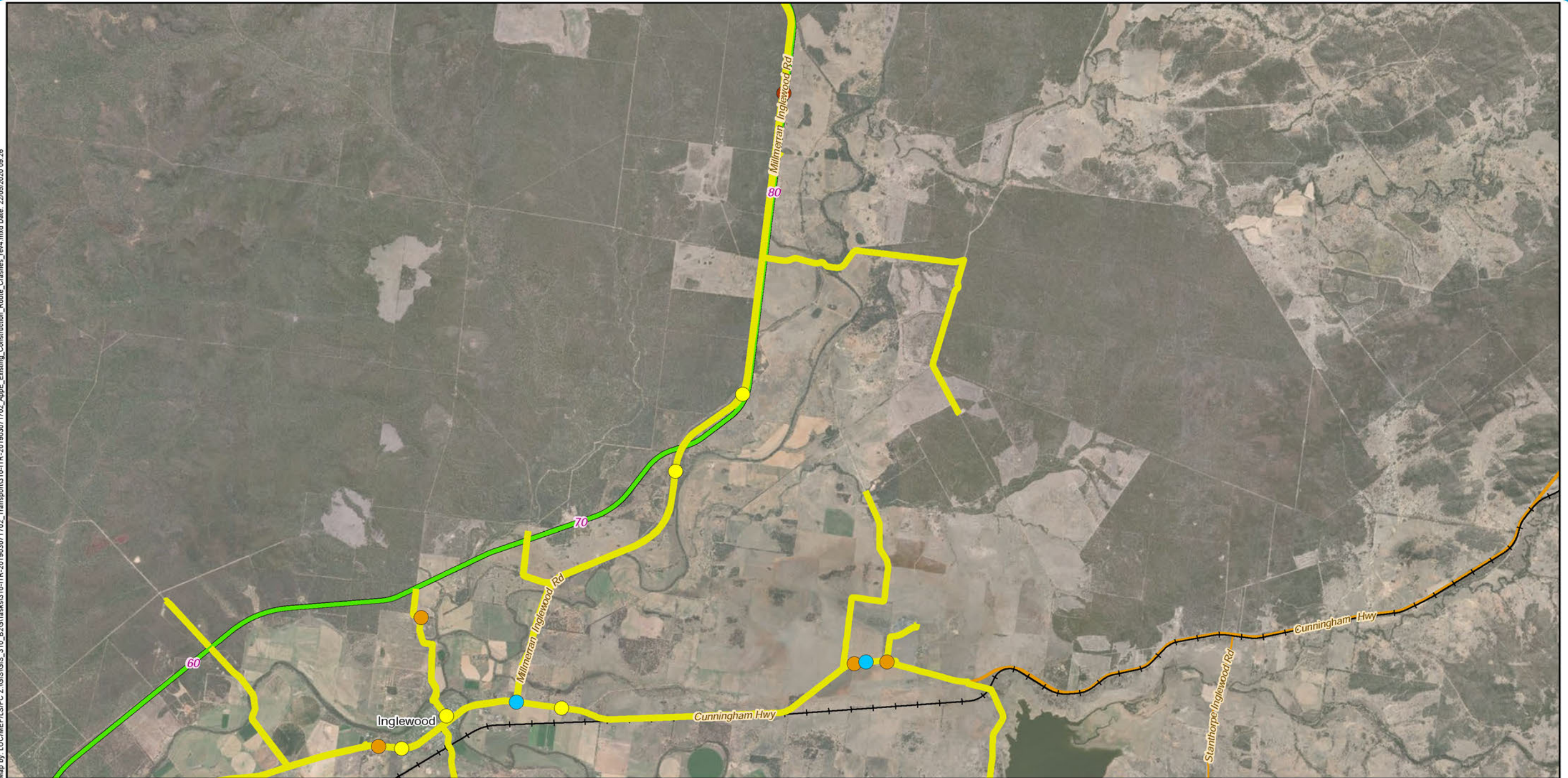
Legend

- | | |
|----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Border to Gowrie alignment | Fatal |
| Major roads | Hospitalisation |
| Minor roads | Medical treatment |
| | Minor injury |



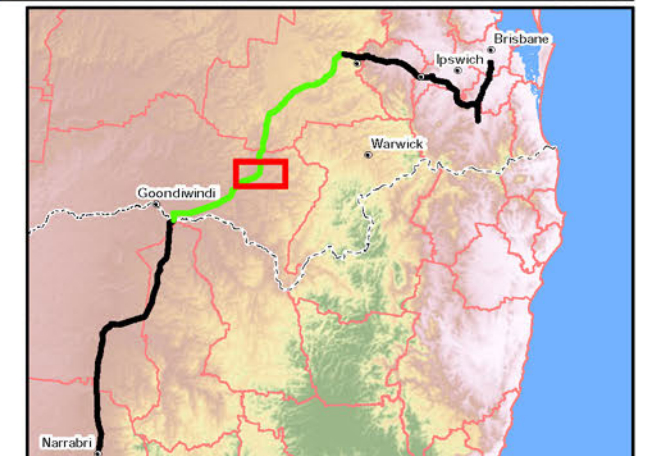
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Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Border to Gowrie alignment | Hospitalisation |
| Existing rail (operational) | Medical treatment |
| Major roads | Minor injury |
| Minor roads | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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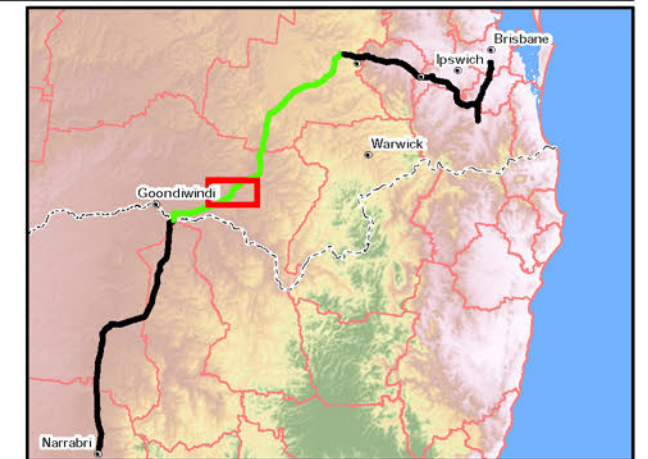
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Coordinate System: GDA 1994 MGA Zone 56

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Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Border to Gowrie alignment | Hospitalisation |
| Existing rail (operational) | Medical treatment |
| Major roads | Minor injury |
| Minor roads | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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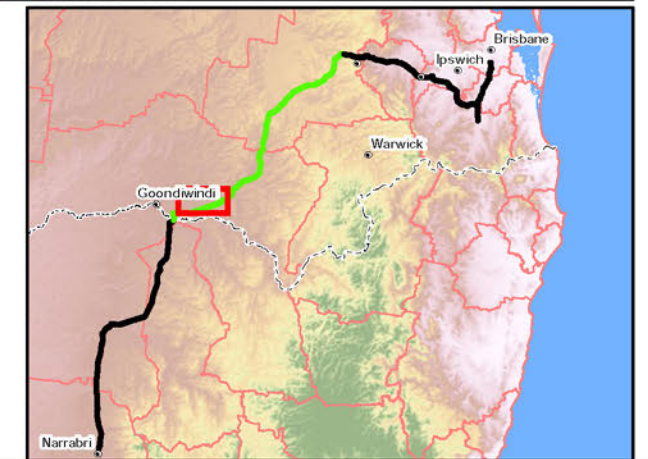
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Coordinate System: GDA 1994 MGA Zone 56

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Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Border to Gowrie alignment | Hospitalisation |
| Existing rail (operational) | Medical treatment |
| Major roads | Minor injury |
| Minor roads | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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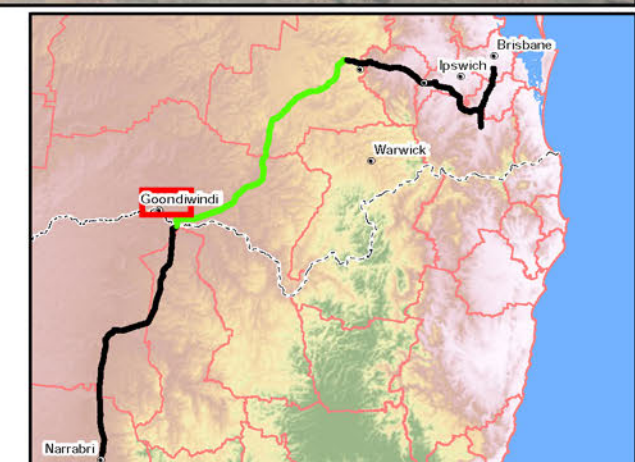
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Legend

- | | |
|-------------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| ● Localities | ● Fatal |
| — Existing rail (operational) | ● Hospitalisation |
| — Major roads | ● Medical treatment |
| — Minor roads | ● Minor injury |
| — Arterial Road | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Existing rail (operational)
- Minor roads
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



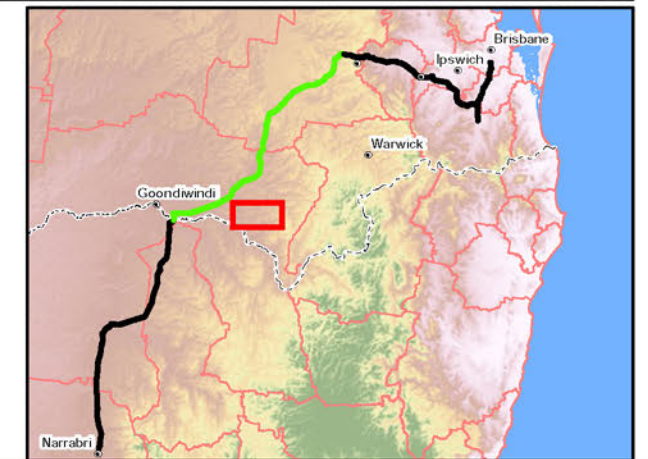
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Legend

- 5 Chainage (km)
- Minor roads
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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Border to Gowrie

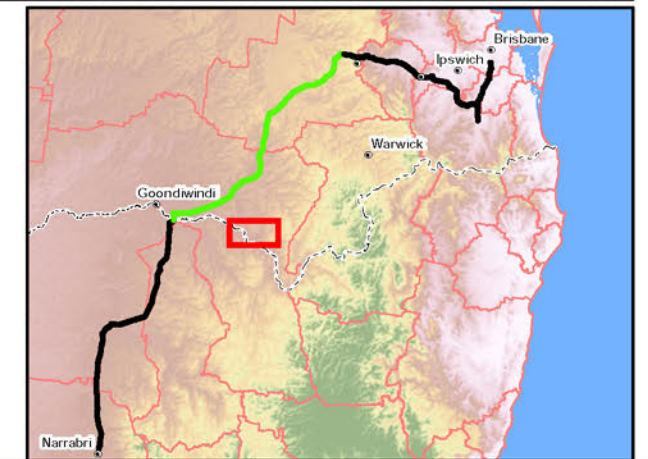
Appendix E10: Existing construction route crashes

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2\GIS\GIS_310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Minor roads | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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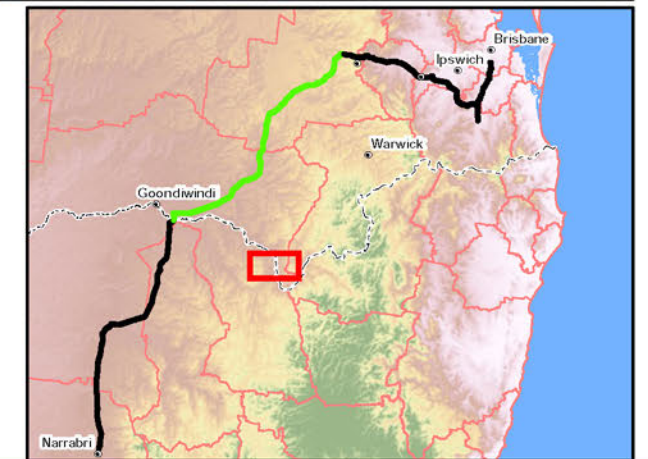
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Coordinate System: GDA 1994 MGA Zone 56

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Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

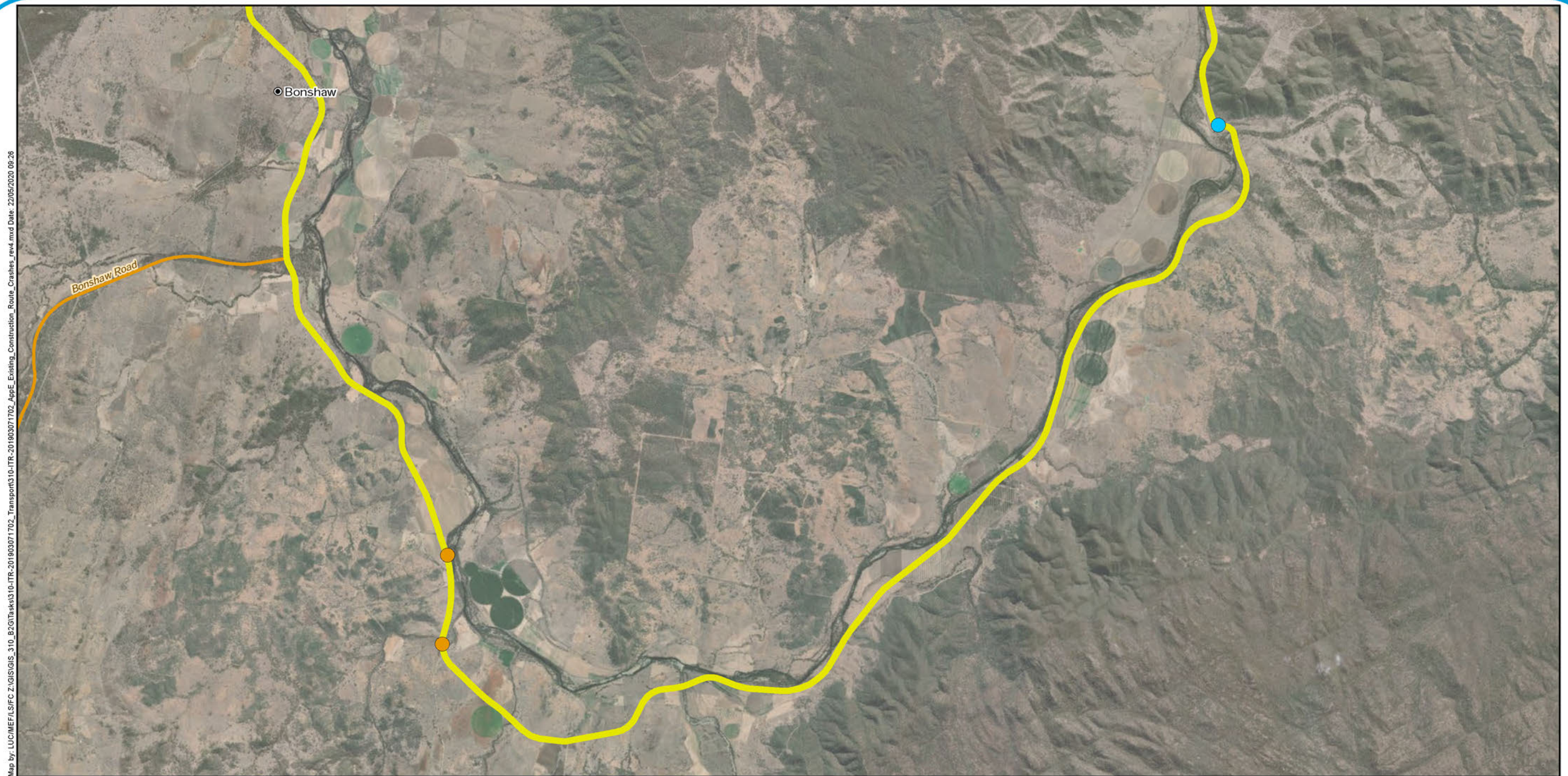


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Border to Gowrie

Appendix E12: Existing construction route crashes



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



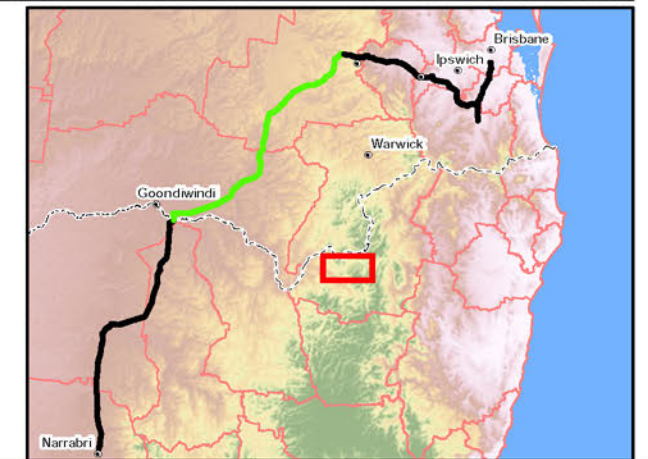
A3 scale: 1:100,000
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Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



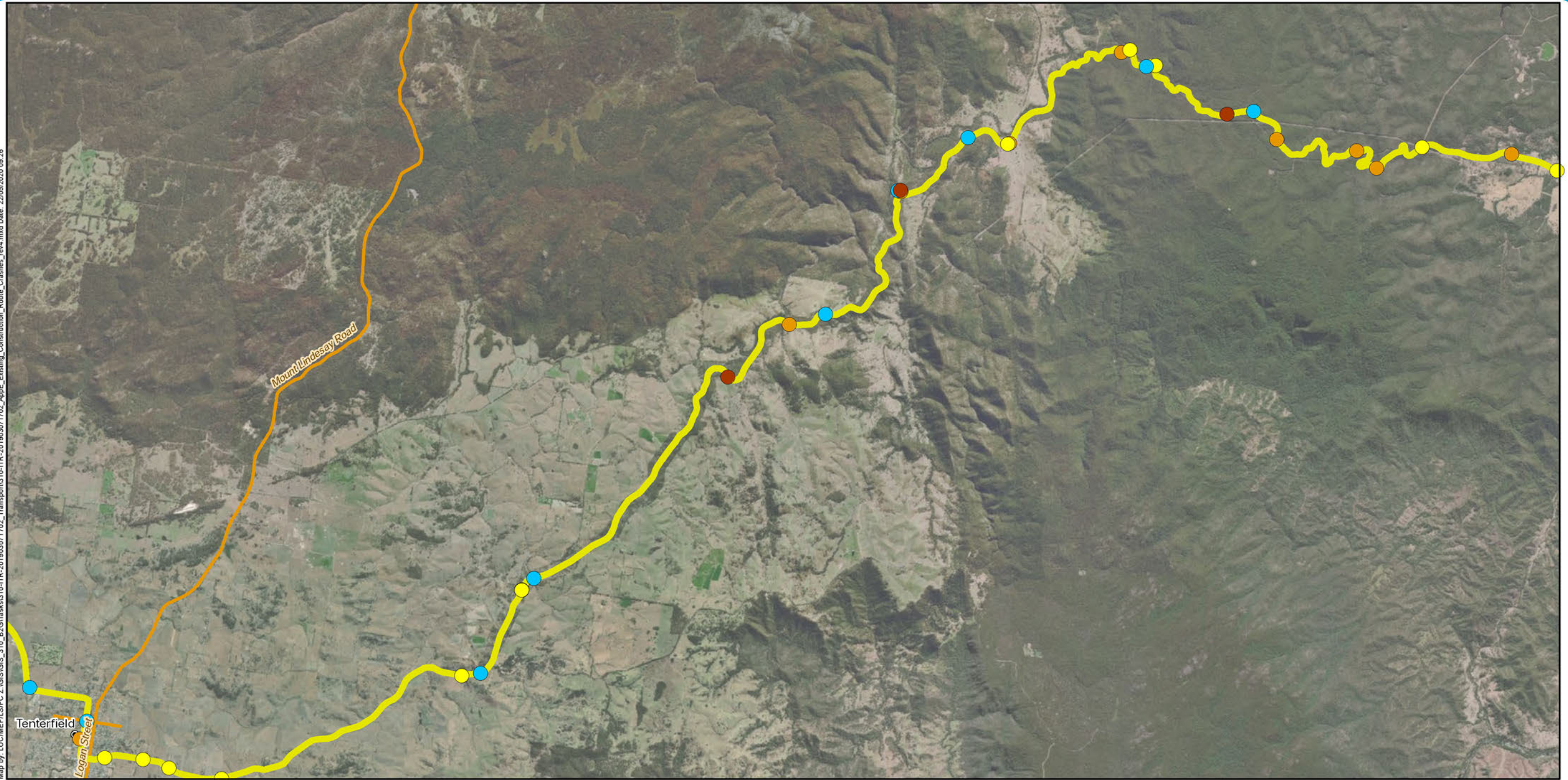
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Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

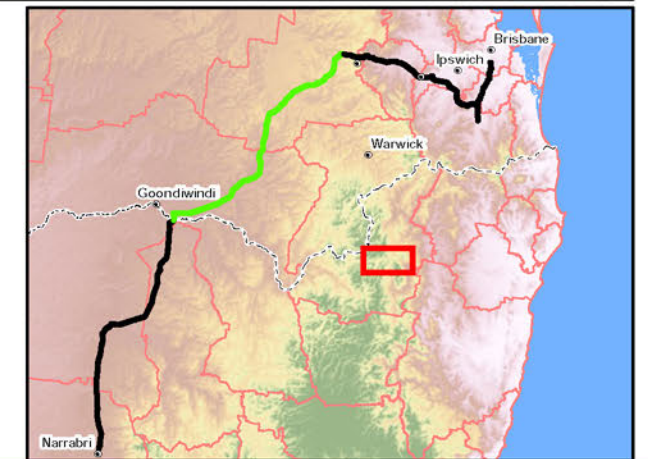
Appendix E14: Existing construction route crashes

Map by: LUCIMEF\LSFC_Z\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Localities
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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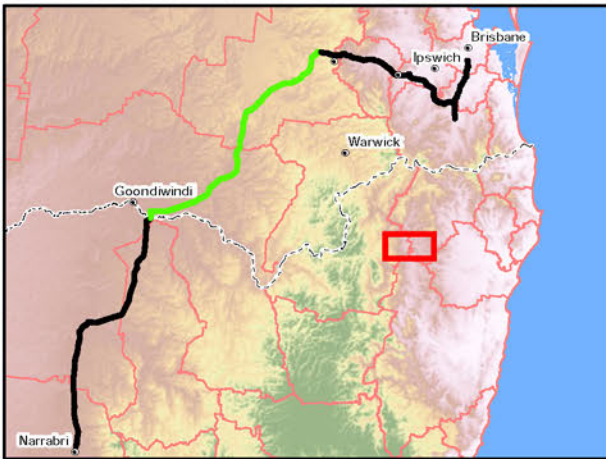
Issue date: 22/05/2020 Version: 4
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Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| ArterialRoad | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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Border to Gowrie

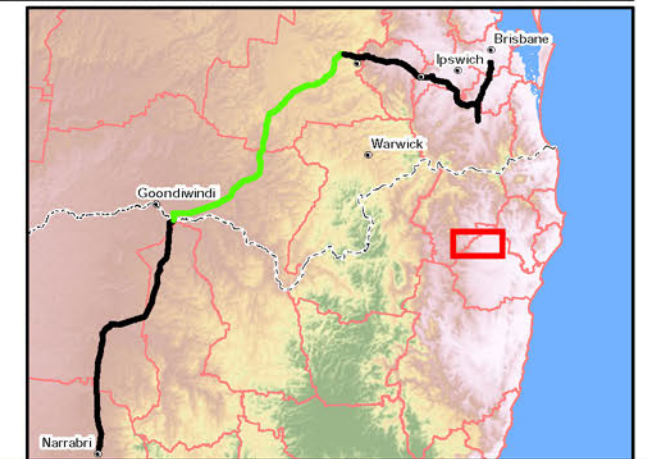
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Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
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Border to Gowrie

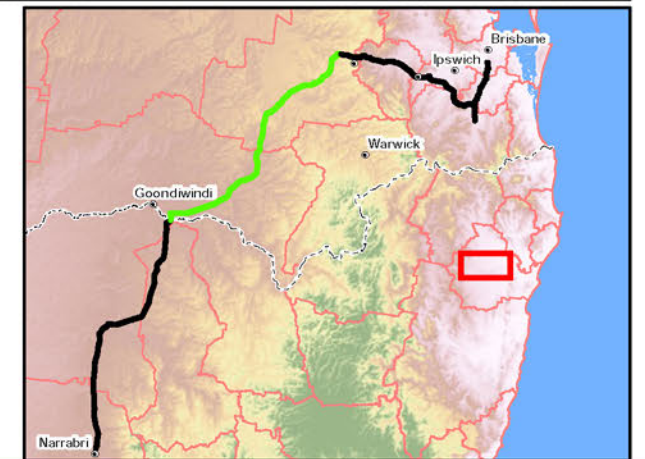
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Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

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Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

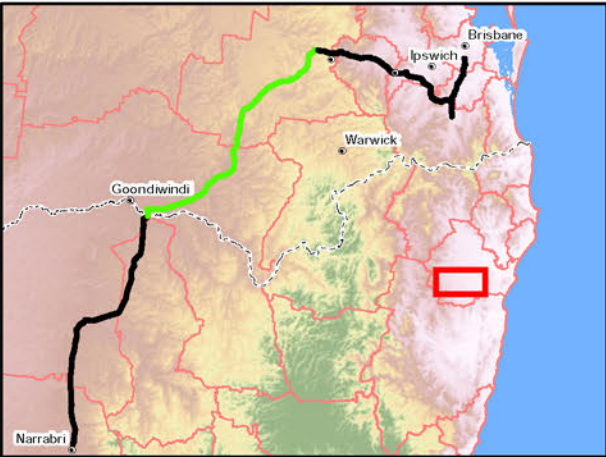
Appendix E18: Existing construction route crashes

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Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Arterial Road | Fatal |
| | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

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Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

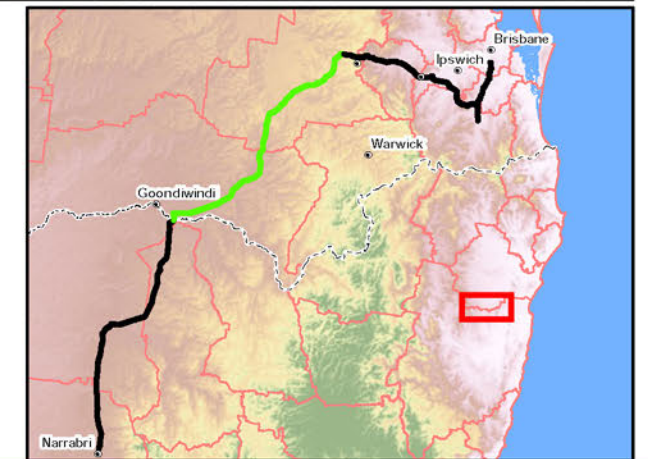
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Legend

- 5 Chainage (km)
- ArterialRoad
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



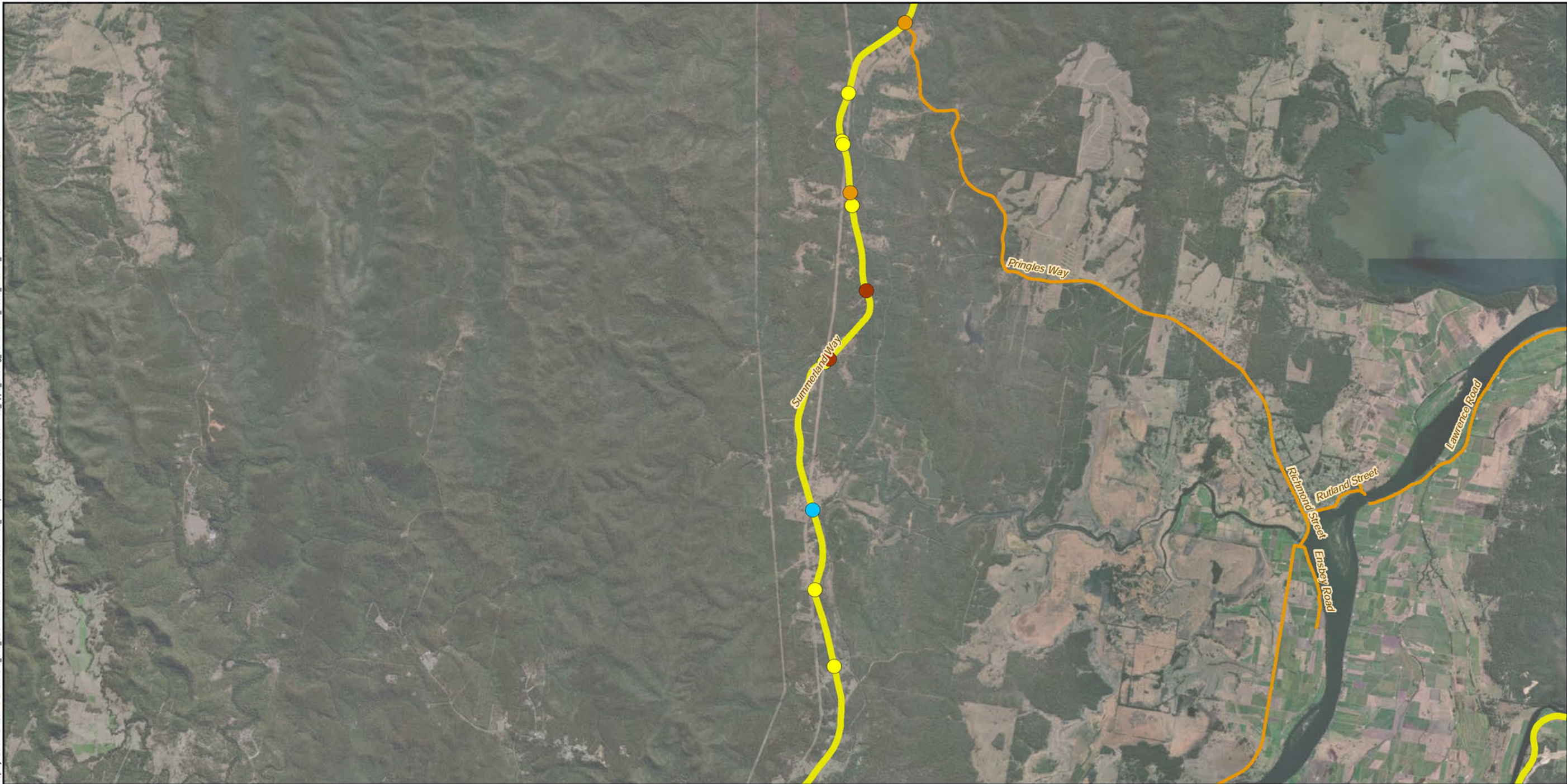
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Border to Gowrie

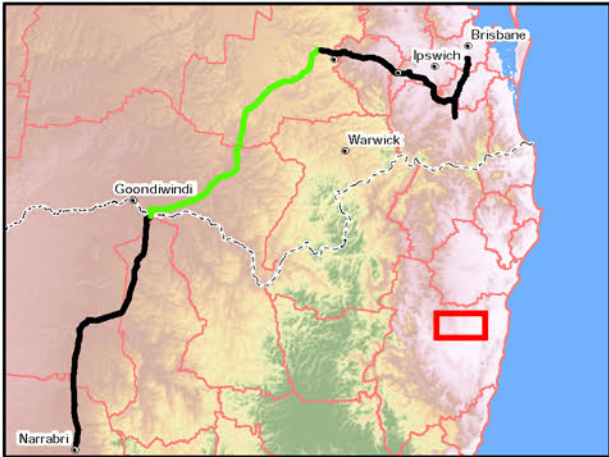
Appendix E20: Existing construction route crashes

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Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Arterial Road | Fatal |
| | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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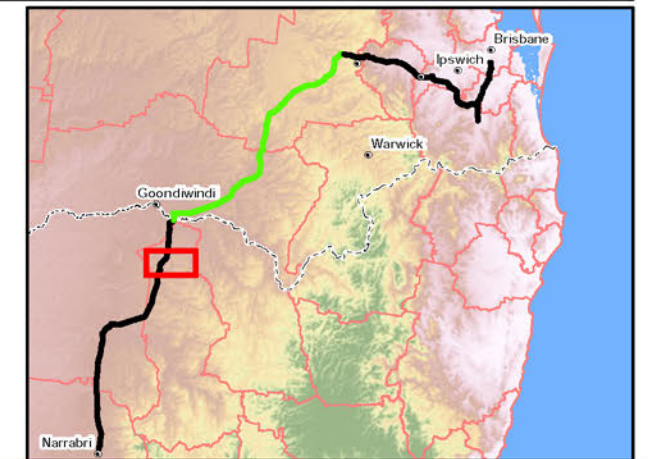
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Coordinate System: GDA 1994 MGA Zone 56

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Legend

- | | |
|--|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Narrabri to North Star alignment | Hospitalisation |
| North Star to NSW/QLD border alignment | Medical treatment |
| Arterial Road | Minor injury |



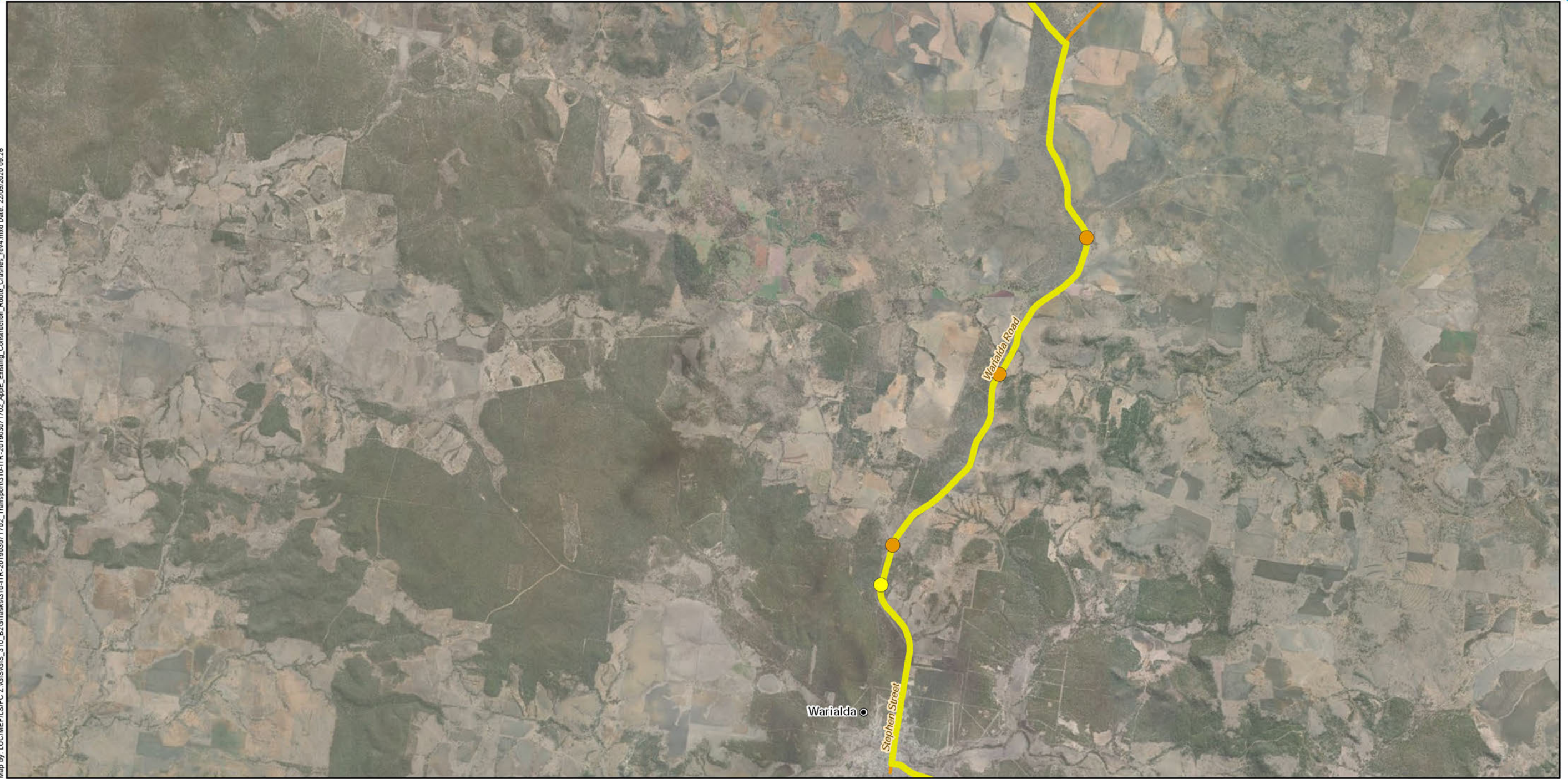
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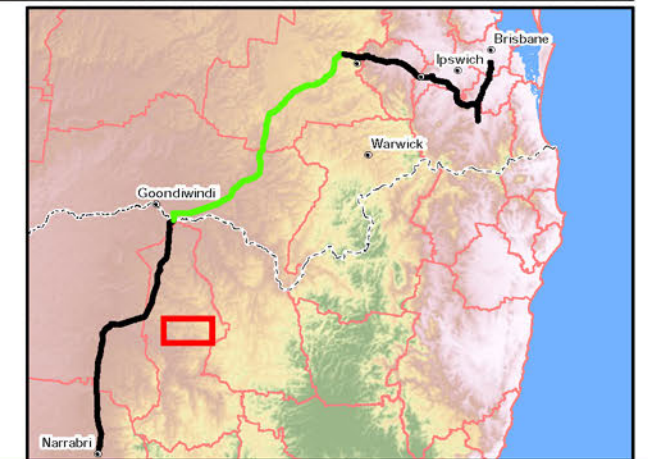
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Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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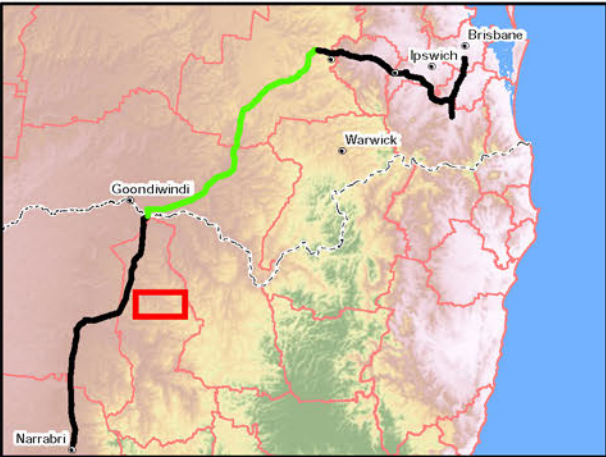
Border to Gowrie

Appendix E23: Existing construction route crashes

Map by: LUC/MEF/LSFC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



- Legend**
- 5 Chainage (km)
 - Arterial Road
 - Construction routes
 - Fatal
 - Hospitalisation
 - Medical treatment
 - Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



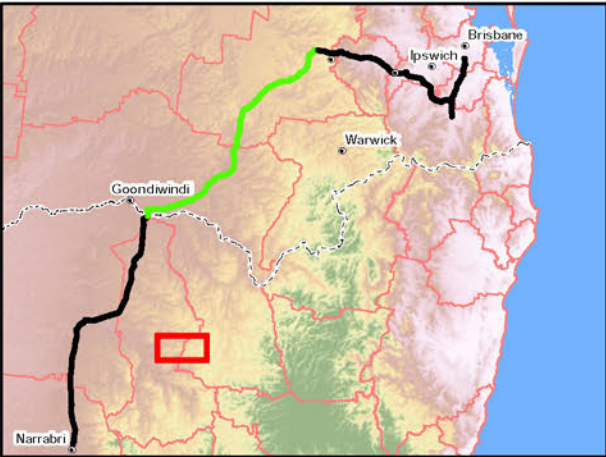
Future Freight
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Coordinate System: GDA 1994 MGA Zone 56



Legend

- | | | |
|---|---------------|---------------------|
| 5 | Chainage (km) | Construction routes |
| ● | Localities | Fatal |
| — | Arterial Road | Hospitalisation |
| | | Medical treatment |
| | | Minor injury |



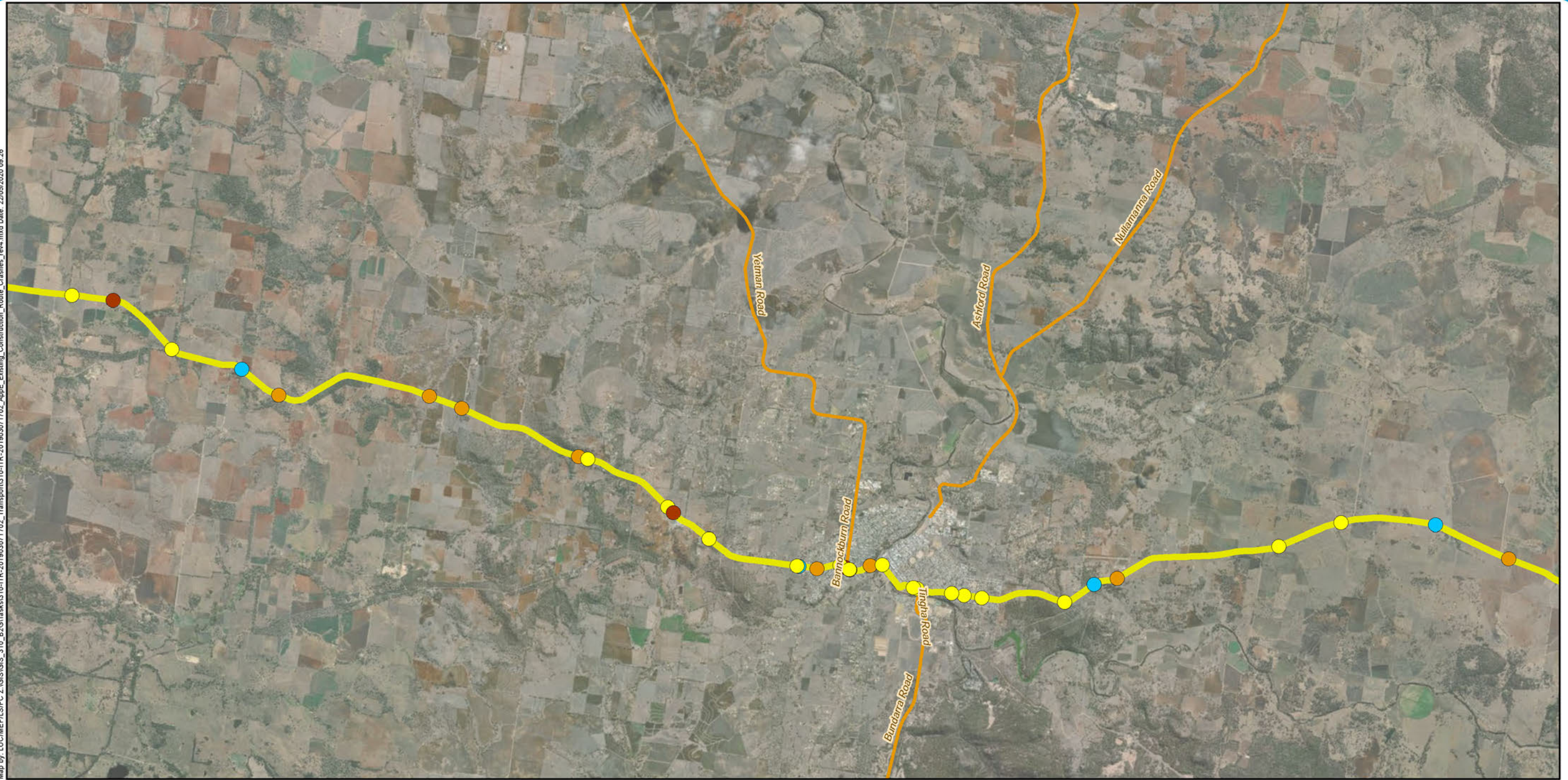
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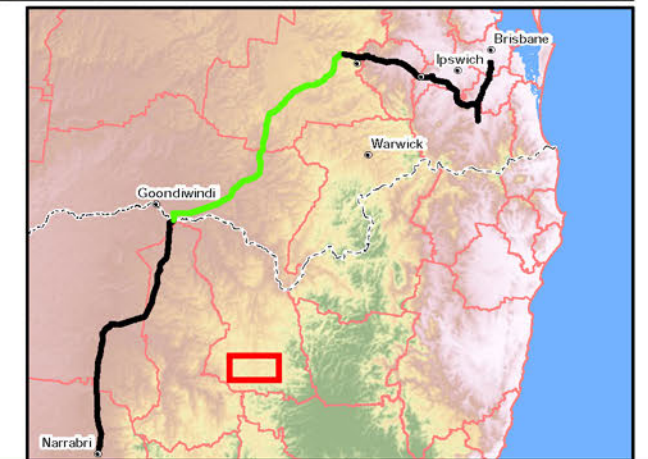
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Coordinate System: GDA 1994 MGA Zone 56

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Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



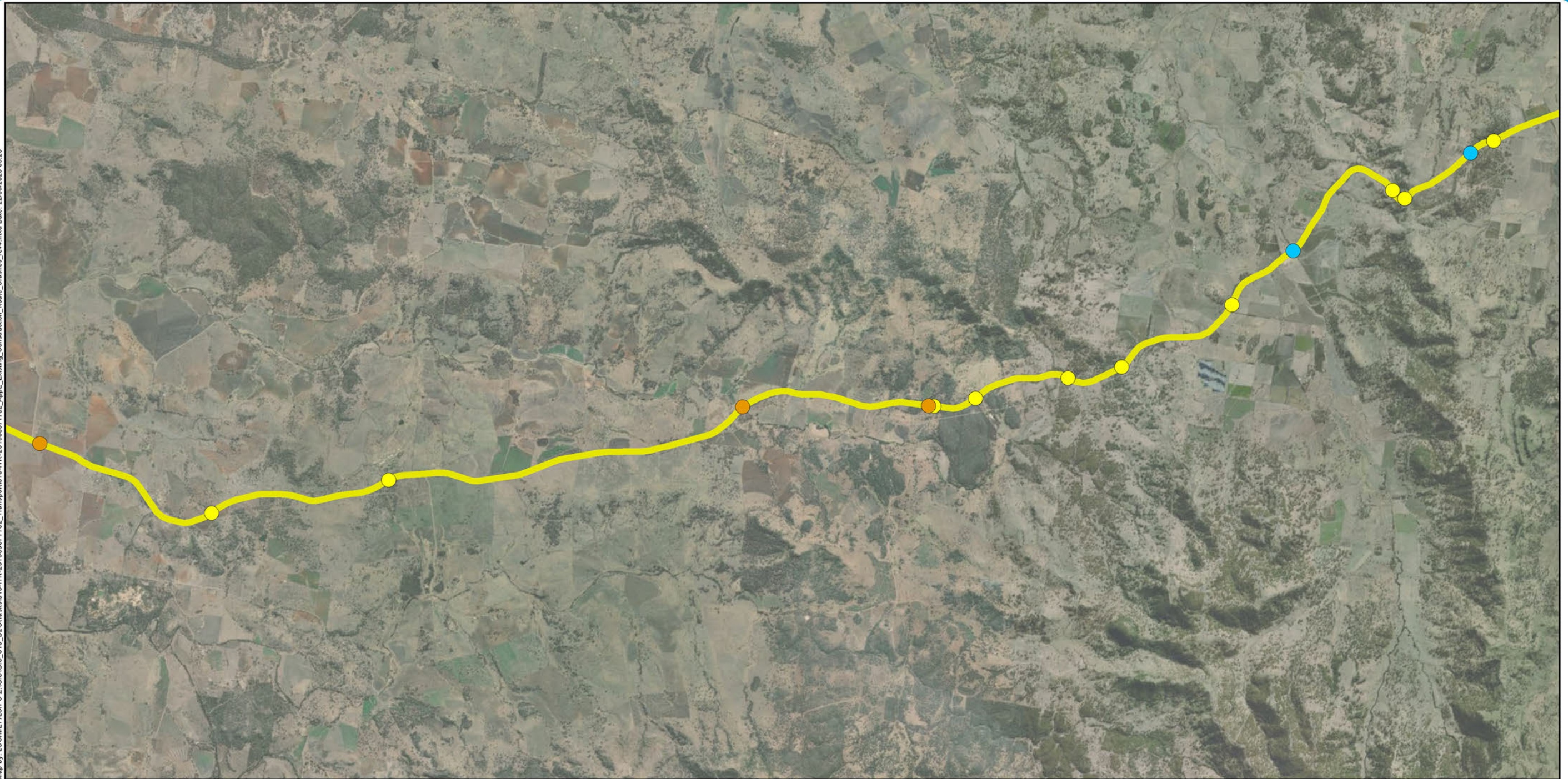
Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
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Border to Gowrie

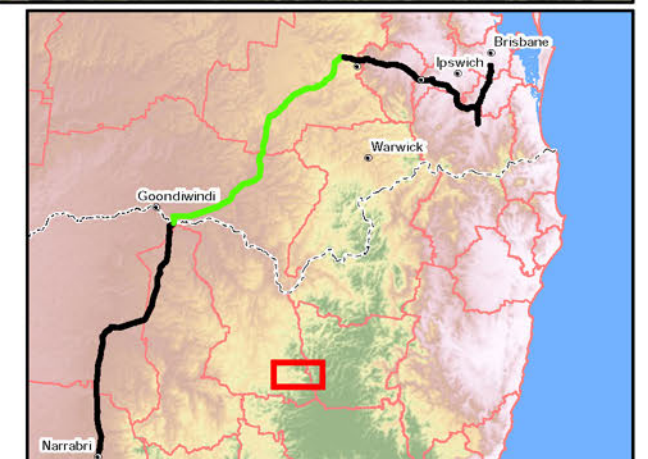
Appendix E25: Existing construction route crashes

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2\GIS_310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



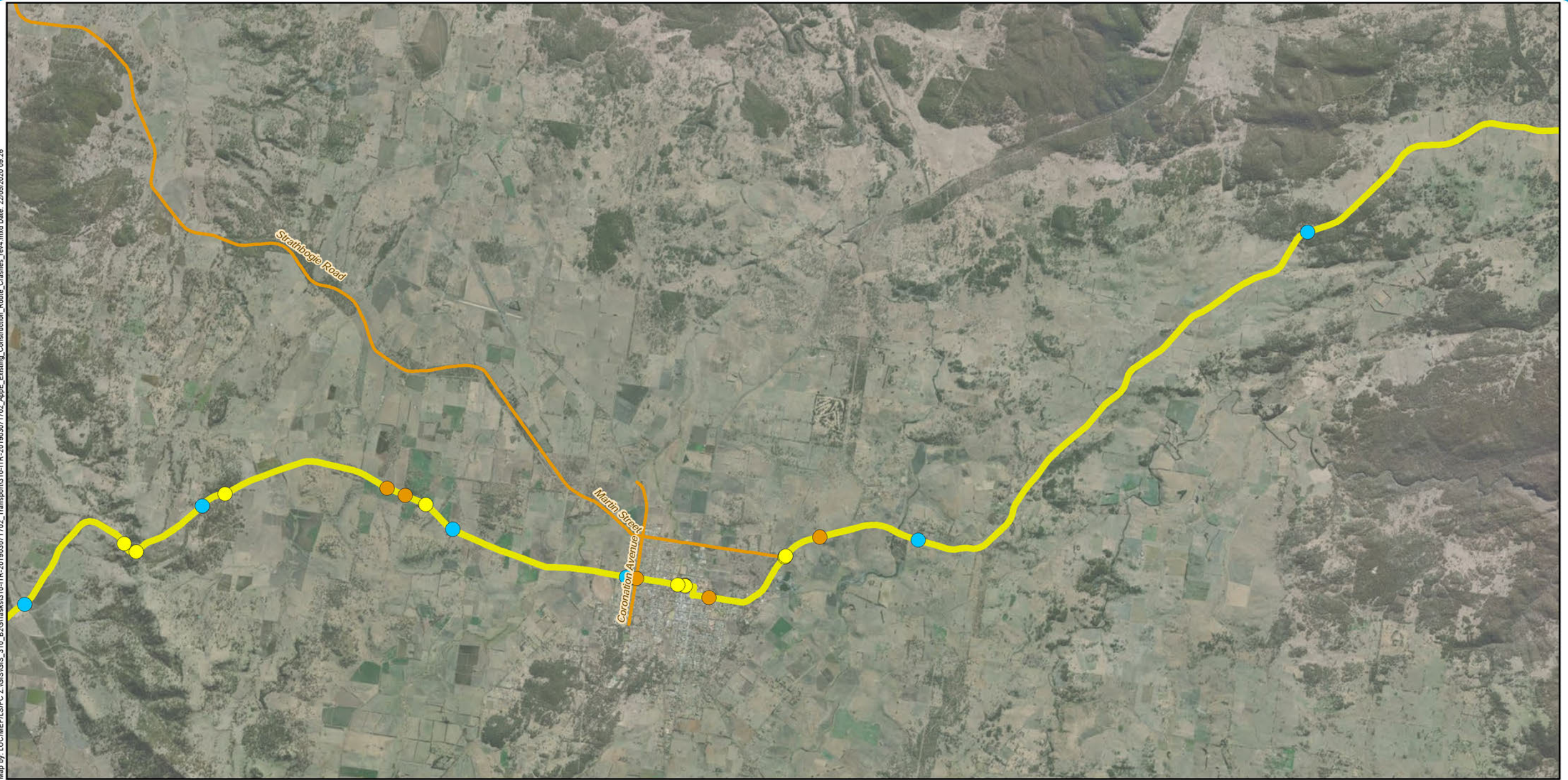
Future Freight
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Issue date: 22/05/2020 Version: 4
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Border to Gowrie

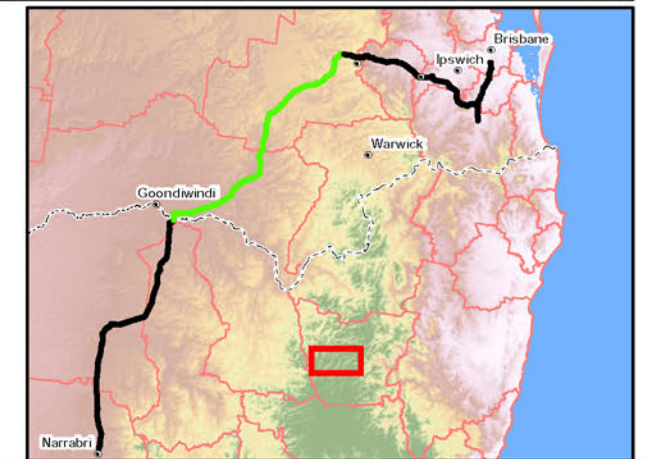
Appendix E26: Existing construction route crashes

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



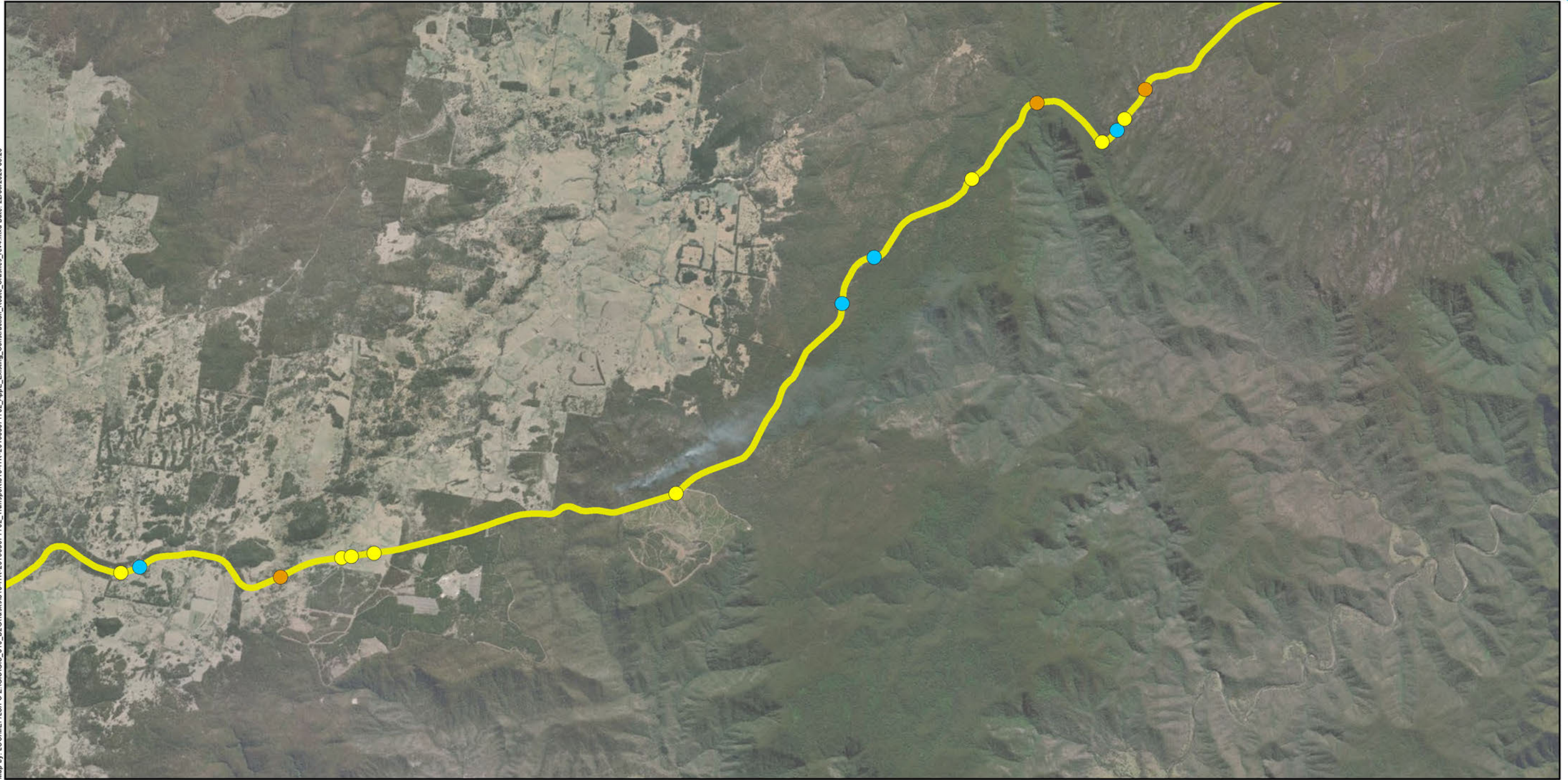
Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



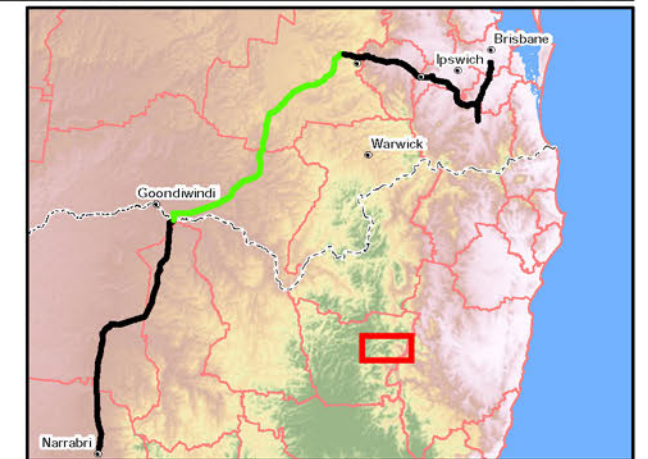
A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



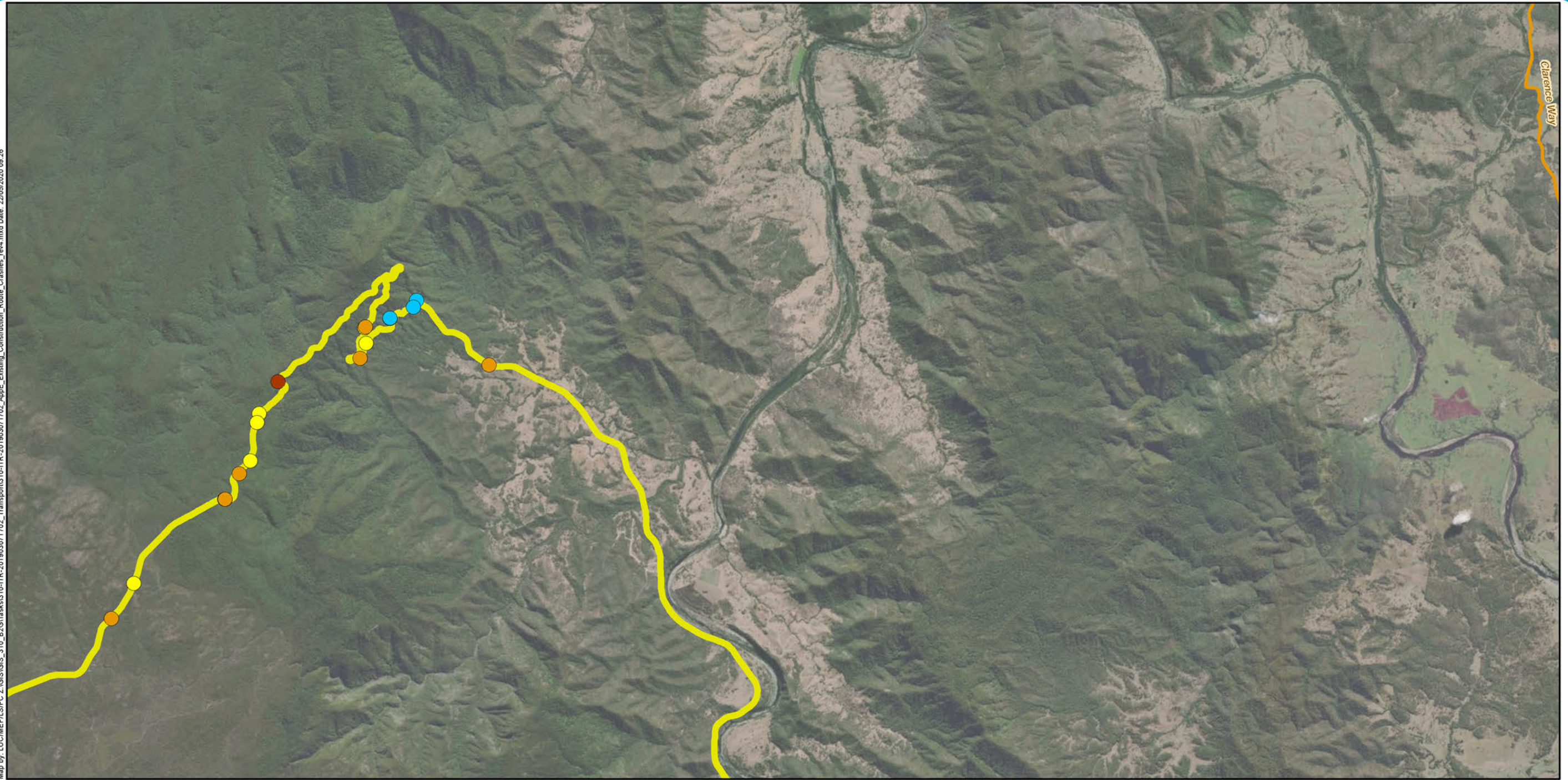
Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

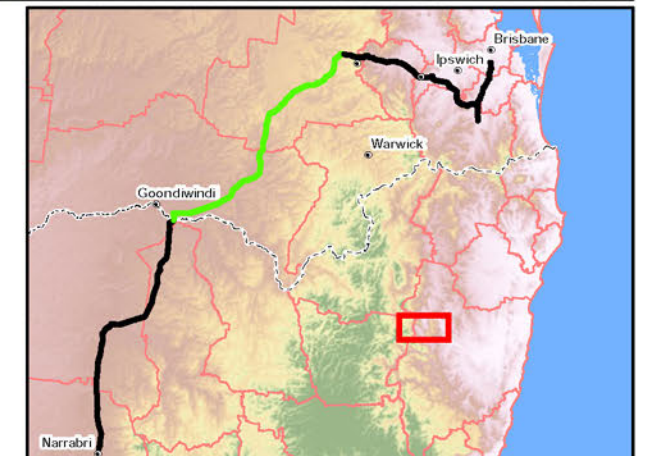
Appendix E28: Existing construction route crashes

Map by: LUC/MEF/LSFC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

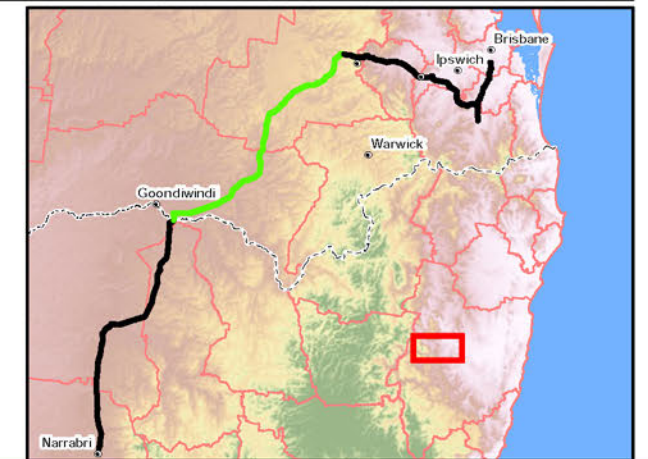
Appendix E29: Existing construction route crashes

Map by: LUC/MEF/LSFC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Arterial Road | Fatal |
| | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



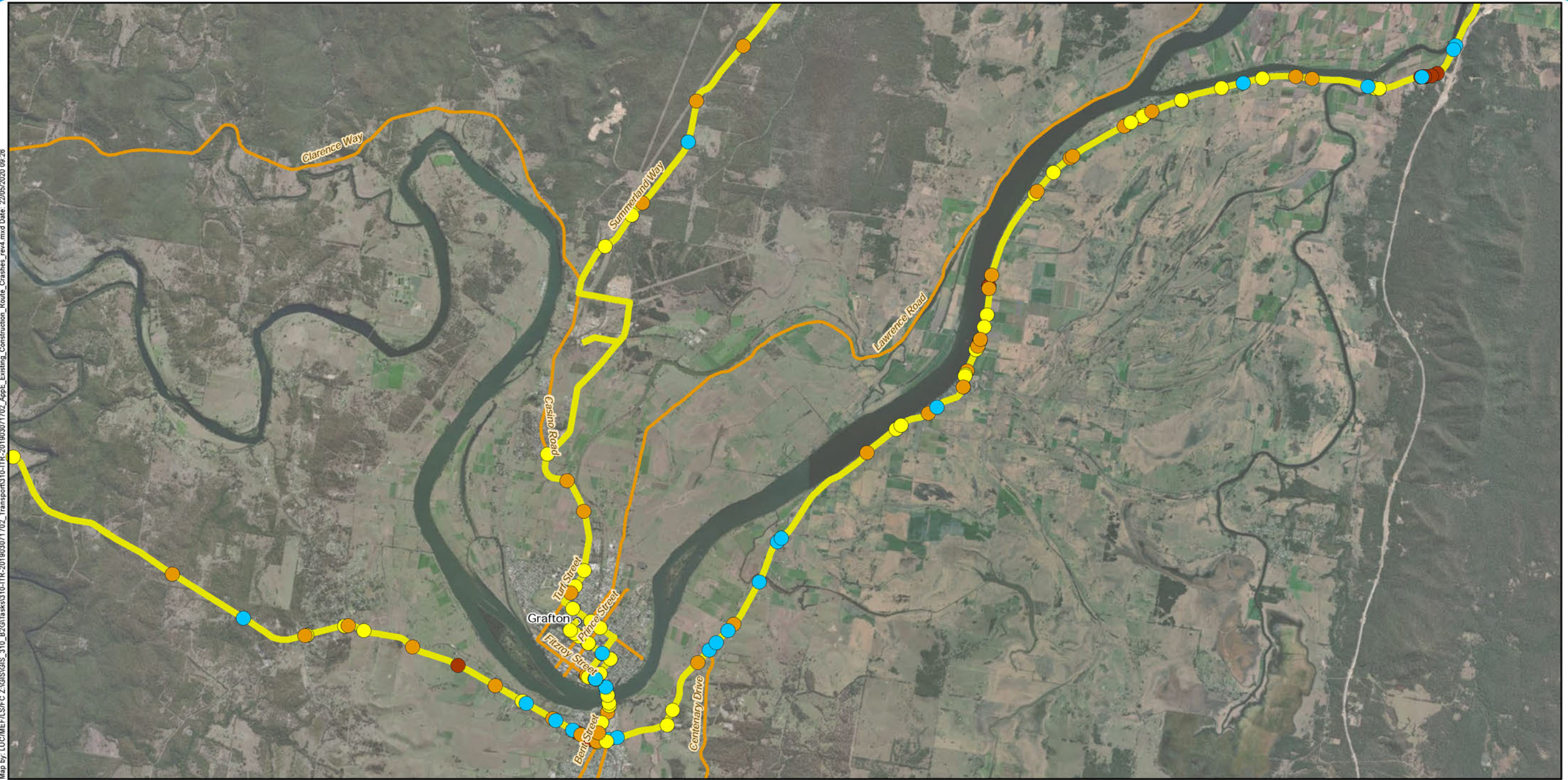
Future Freight
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Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix E30: Existing construction route crashes

Map by: LUCIMEF/ILSFC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



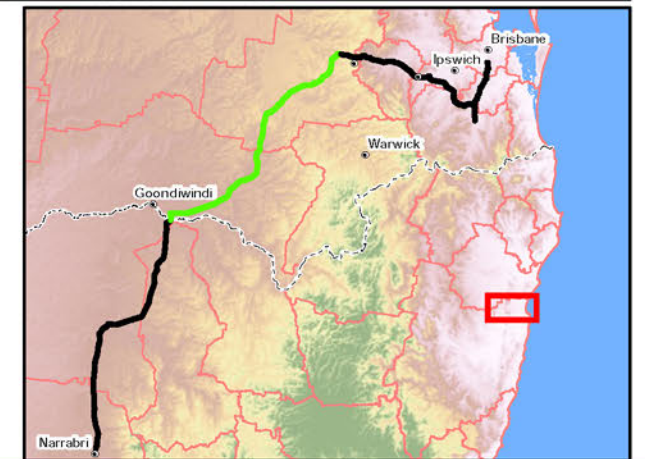
A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
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Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

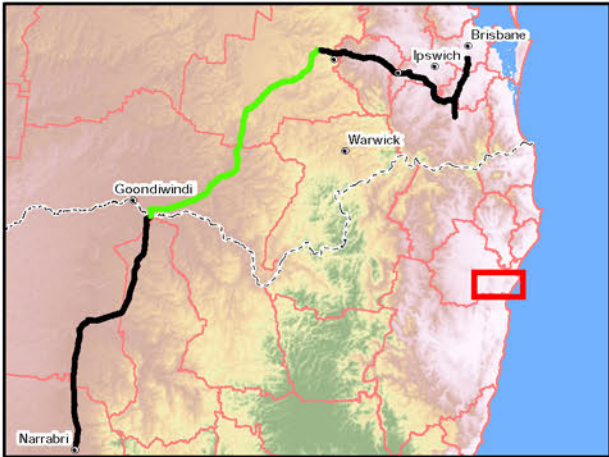
Appendix E33: Existing construction route crashes

Map by: LUC\MEF\LSFC\Z\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | | |
|---|---------------|---------------------|
| 5 | Chainage (km) | Construction routes |
| ● | Localities | Fatal |
| — | Arterial Road | Hospitalisation |
| | | Medical treatment |
| | | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

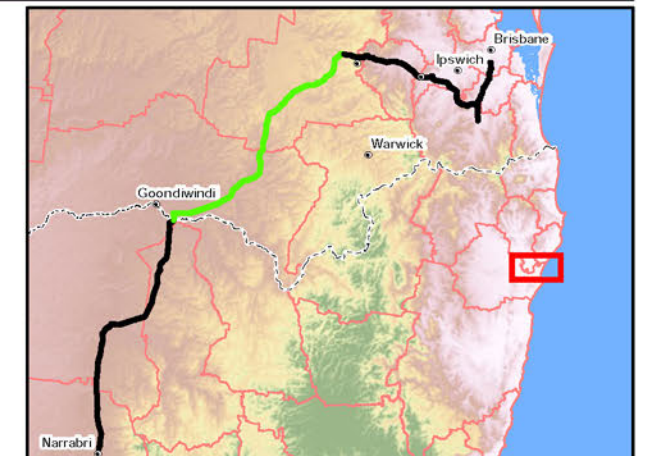
Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Map by: LUCIMEF/SLFC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



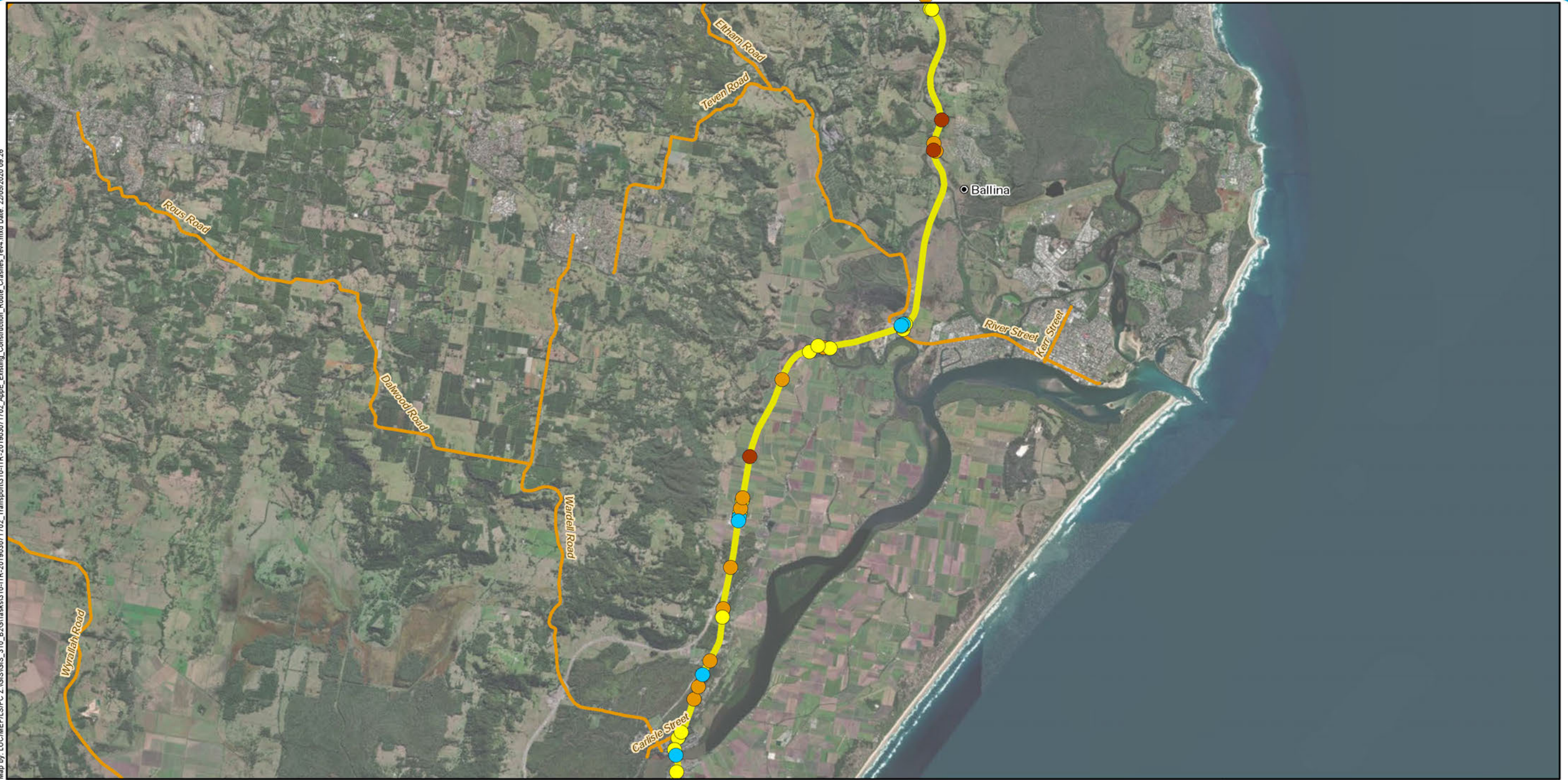
Legend

- 5 Chainage (km)
- Localities
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

Map by: LUCIMEF/LSFC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix E36: Existing construction route crashes



Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26

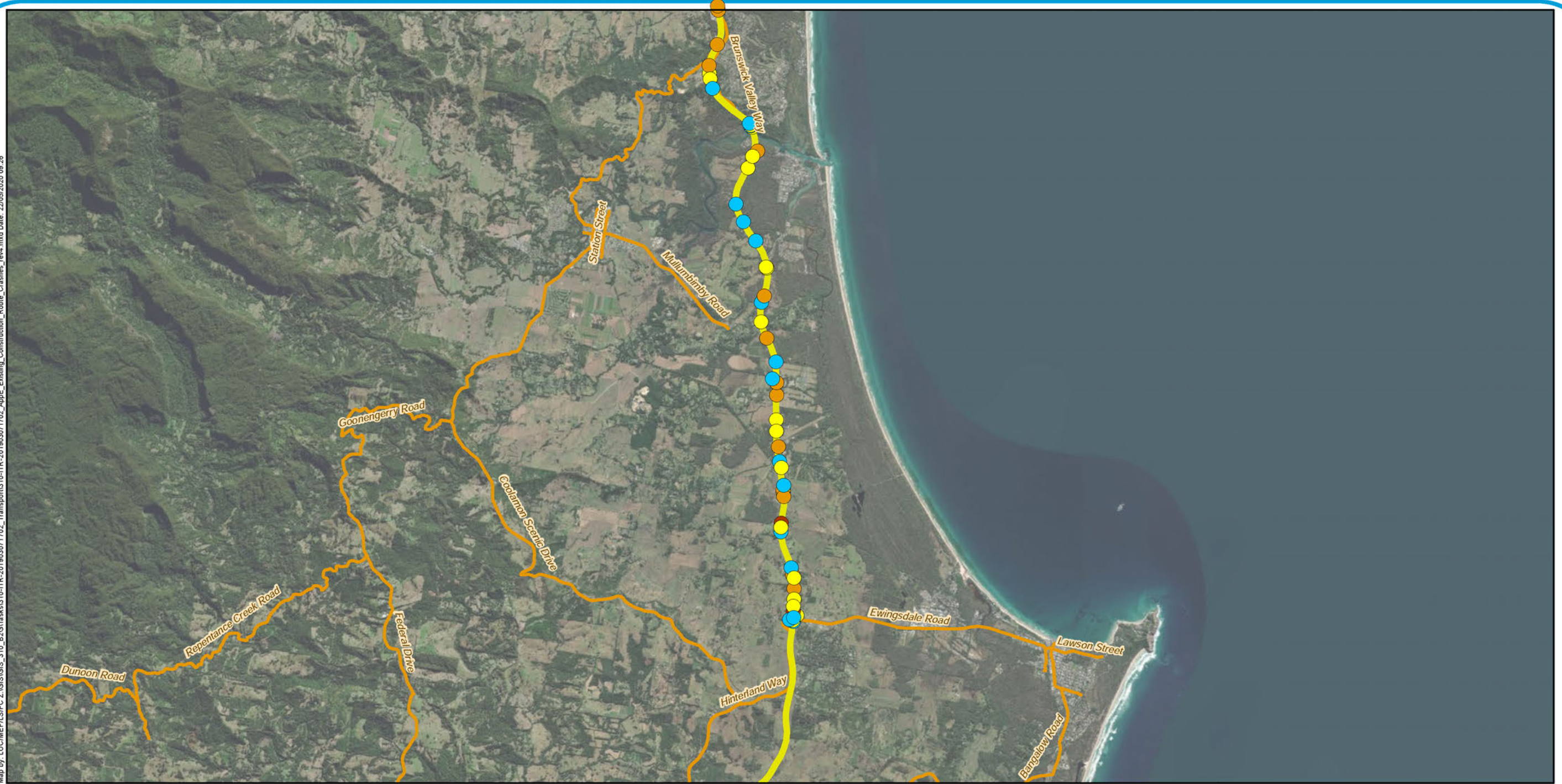
Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Arterial Road | Hospitalisation |
| | Medical treatment |
| | Minor injury |



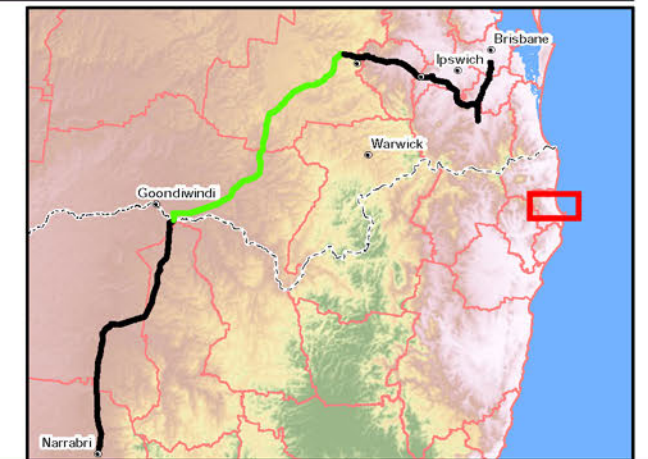
A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

Map by: LUCIMEF/SLFC Z:\GIS\GIS_310_B2G\Task310-ITR-201903071702_Transport310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km

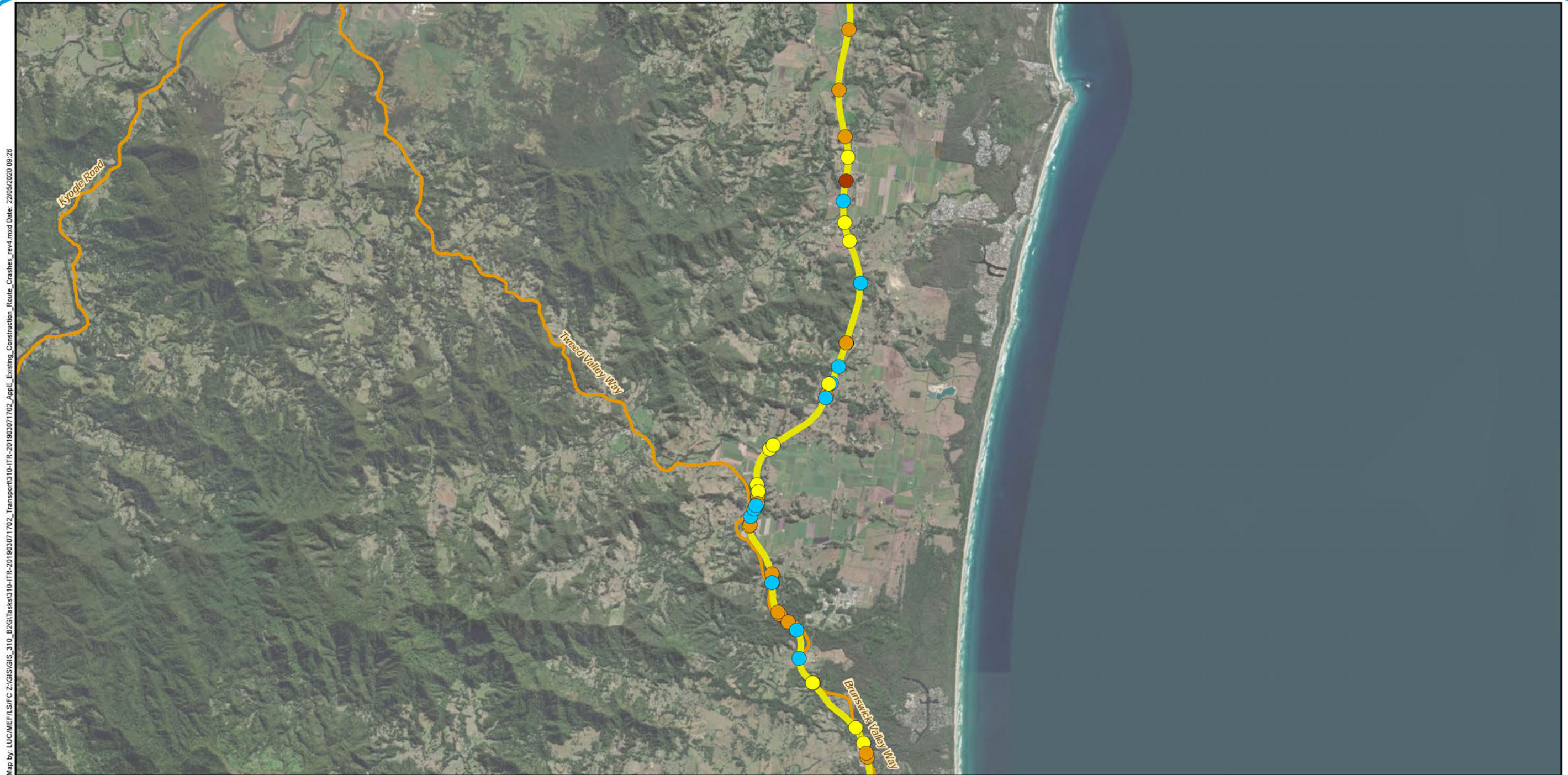


Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix E38: Existing construction route crashes



Legend

- 5 Chainage (km)
- ArterialRoad
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



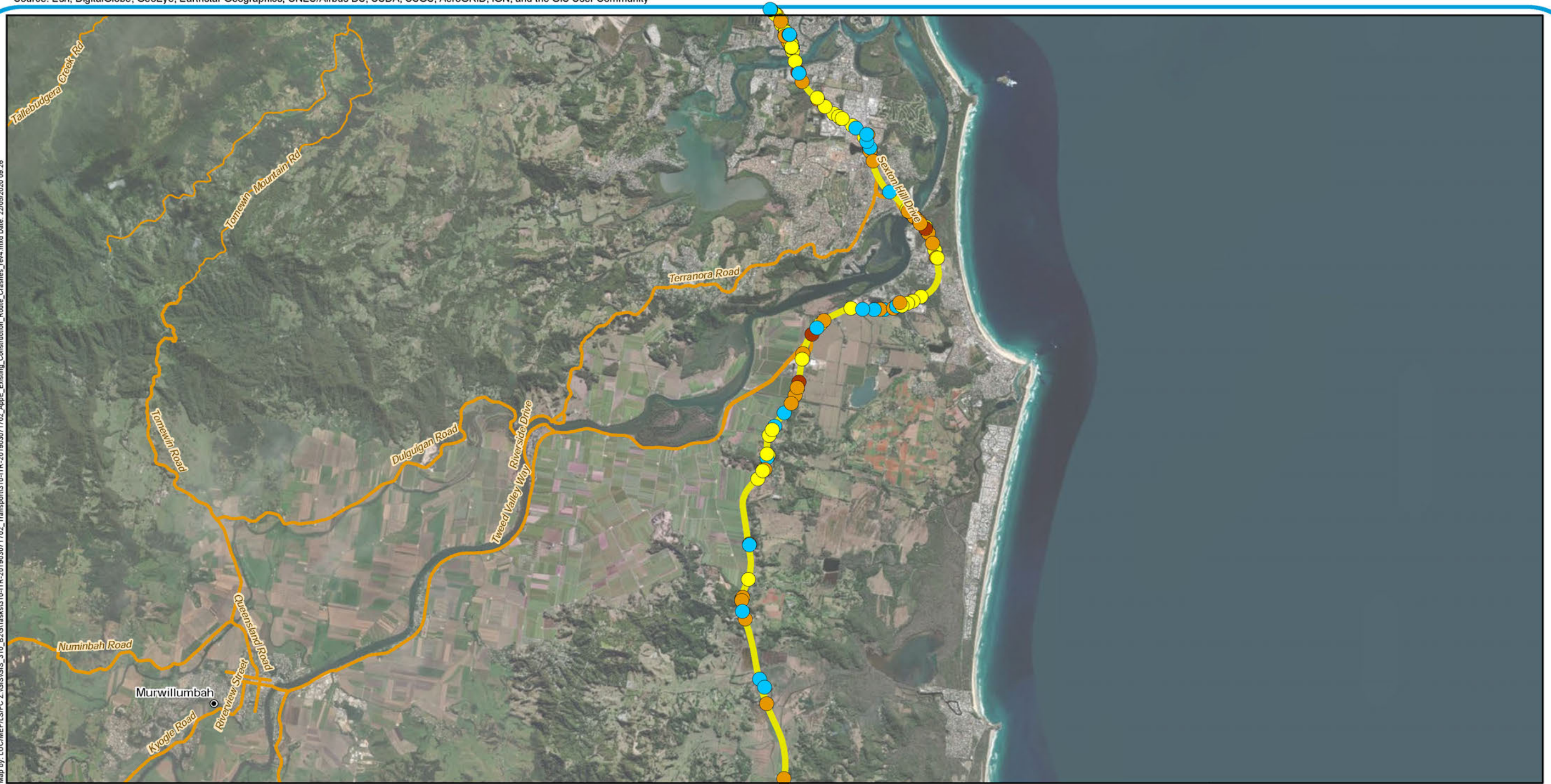
A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Map by: LUC/MEF/SLFC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|-----------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Minor roads | Hospitalisation |
| Arterial Road | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



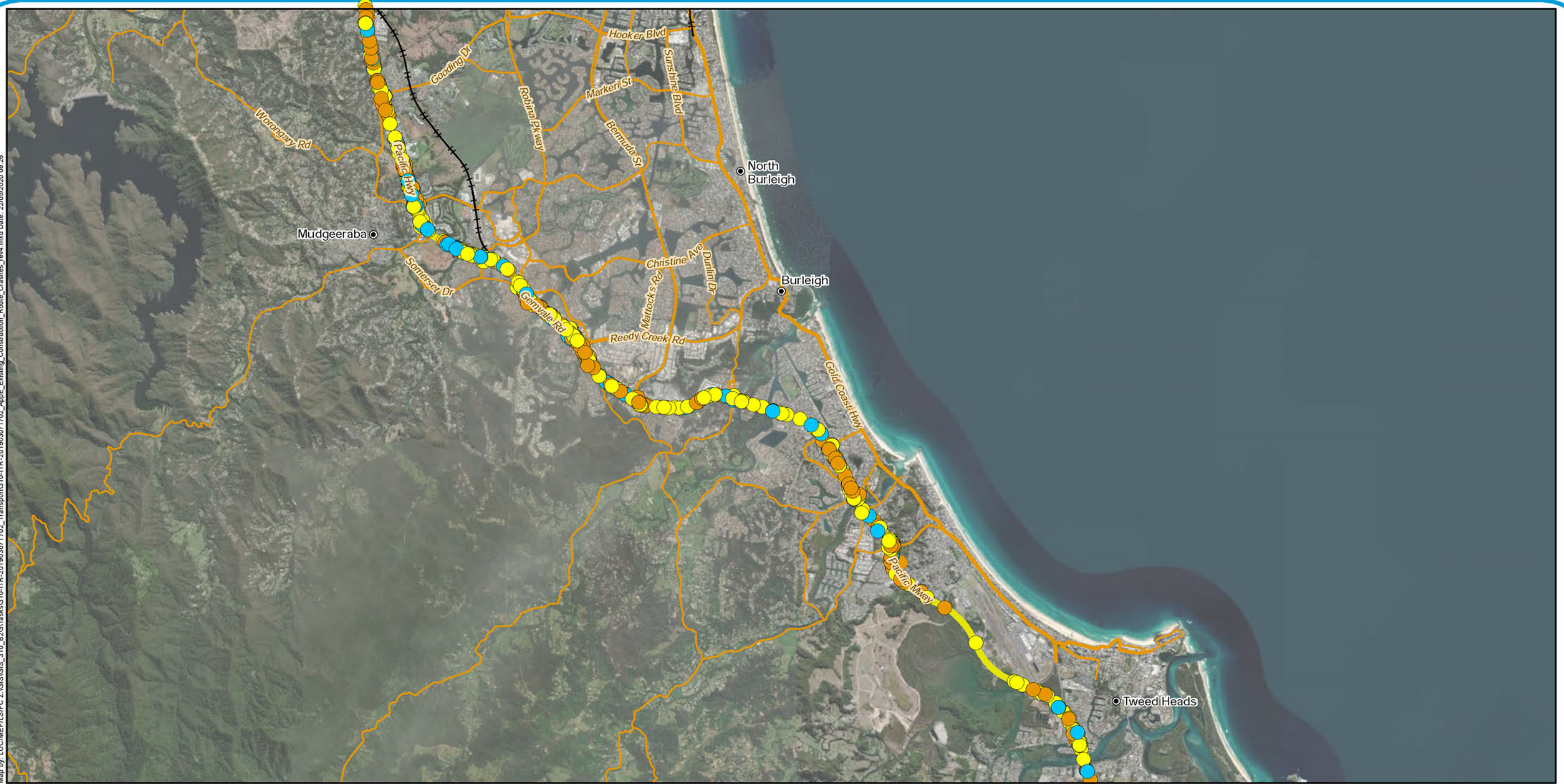
Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

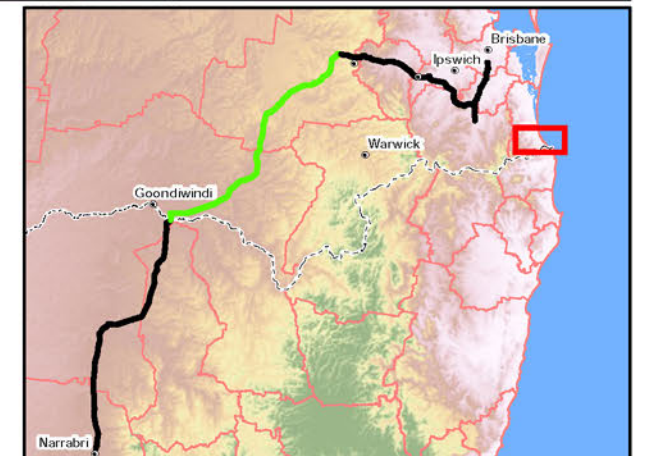
Appendix E40: Existing construction route crashes

Map by: LUC/MEF/ILS/FC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26

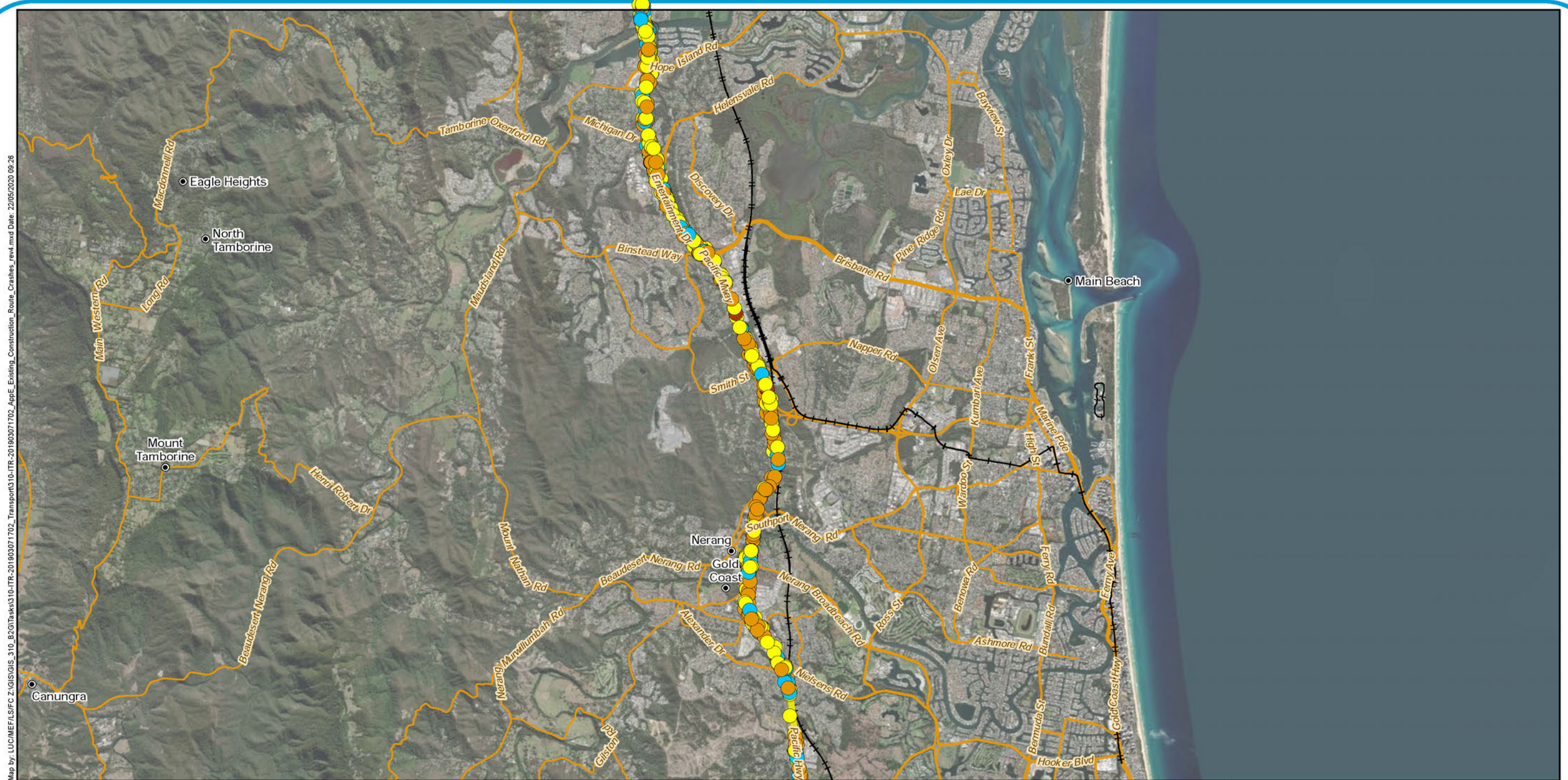


Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Existing rail (operational) | Hospitalisation |
| Major roads | Medical treatment |
| Minor roads | Minor injury |

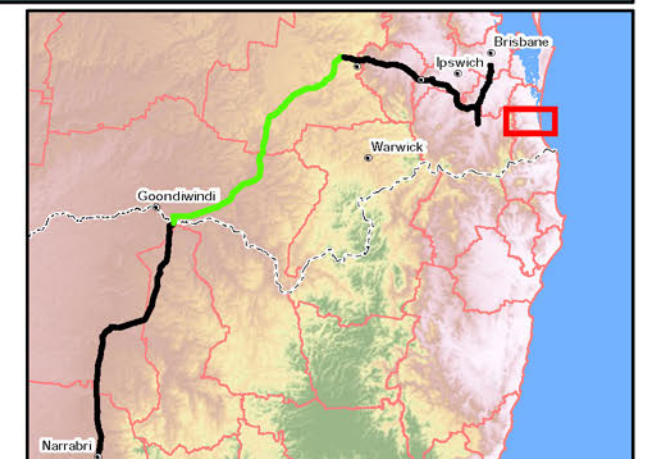


A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Existing rail (operational) | Hospitalisation |
| Major roads | Medical treatment |
| Minor roads | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Existing rail (operational) | Hospitalisation |
| Major roads | Medical treatment |
| Minor roads | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



5 Chainage (km)

Localities

Kagaru to Acacia Ridge/Bromelton alignment

Existing rail (operational)

Major roads

Minor roads

Construction routes

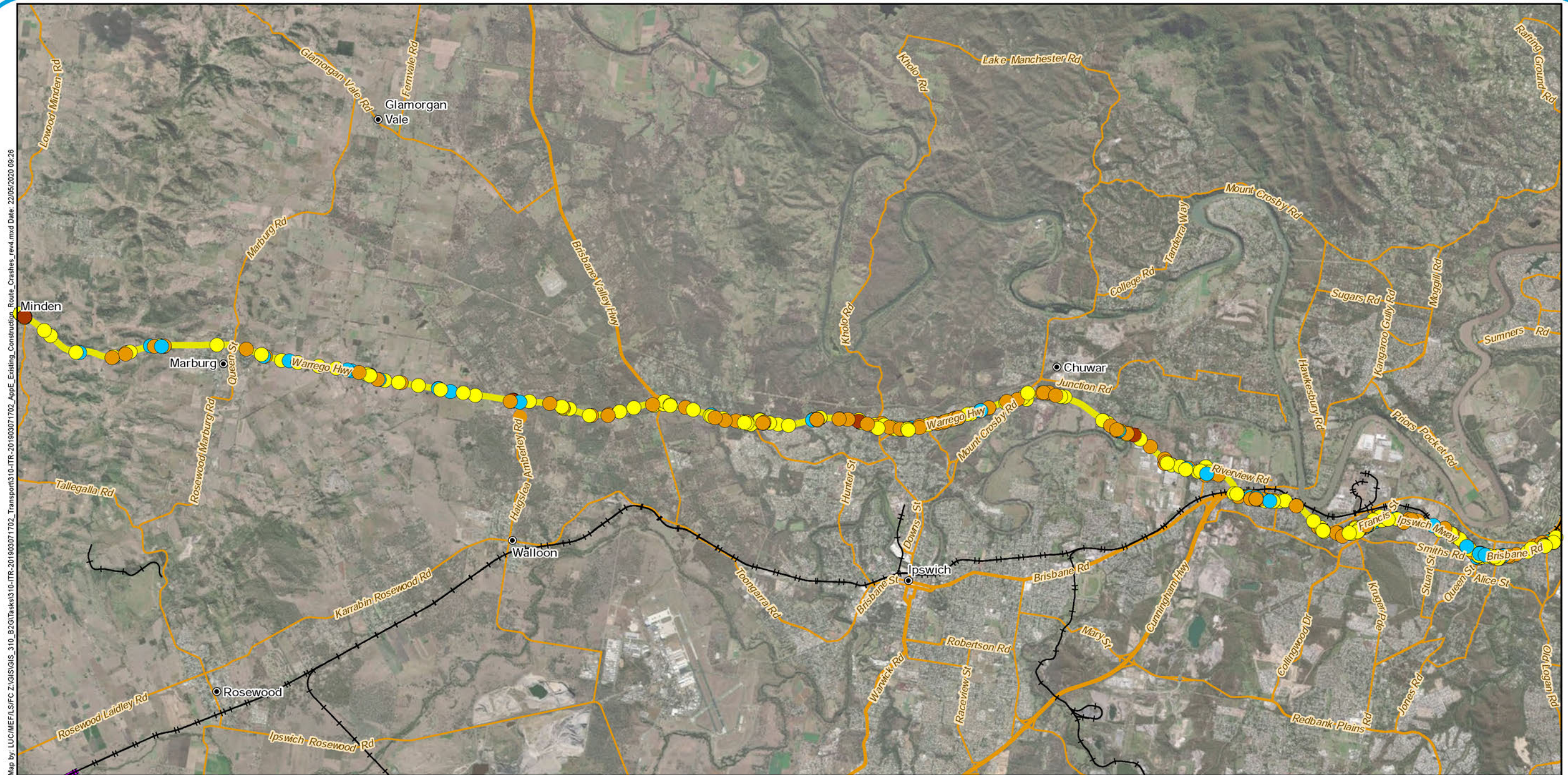
Fatal

Hospitalisation

Medical treatment

Minor injury





Legend

- | | |
|-----------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Calvert to Kagaru alignment | Hospitalisation |
| Existing rail (operational) | Medical treatment |
| Major roads | Minor injury |
| Minor roads | |



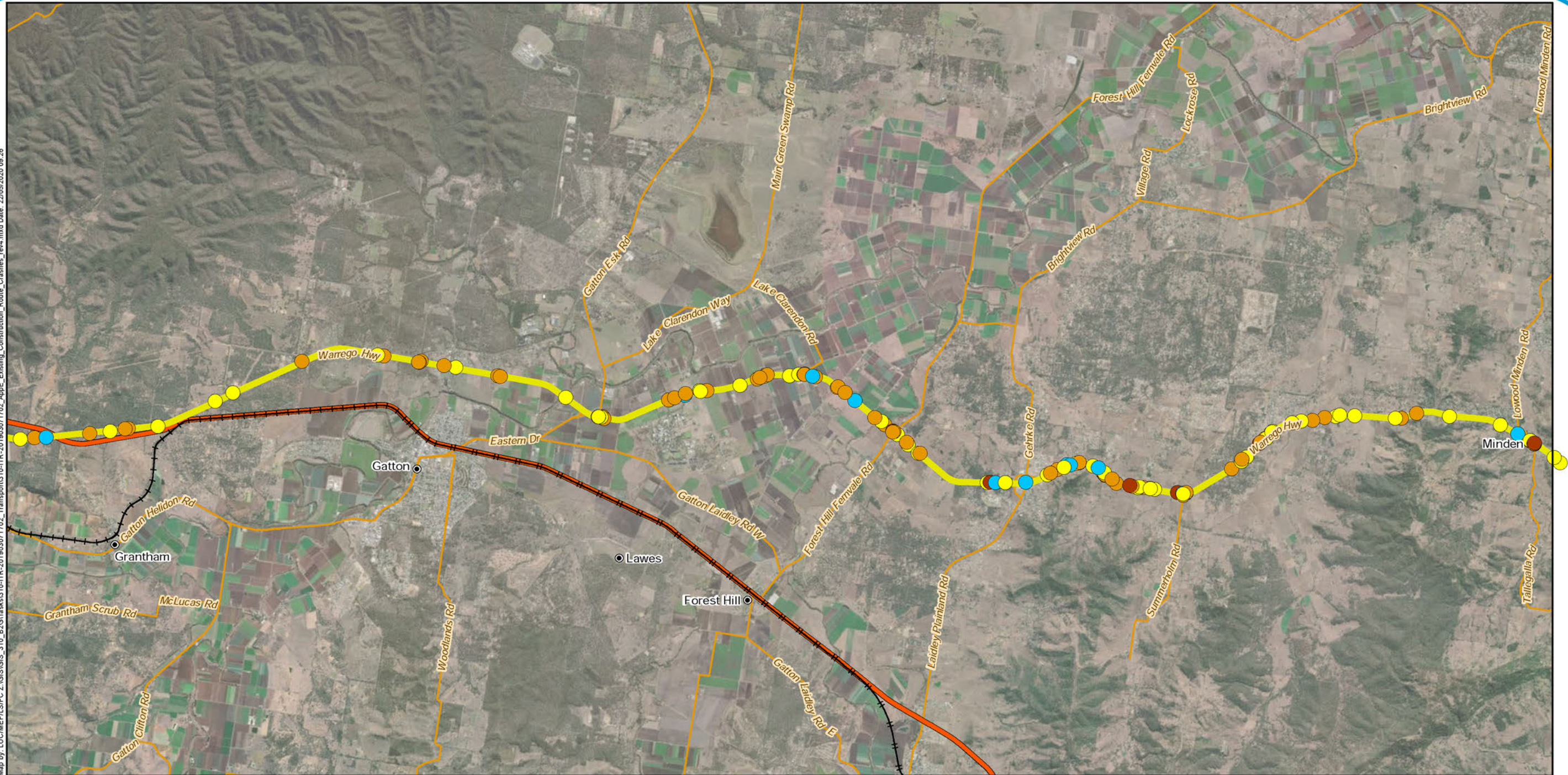
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0 0.75 1.5 2.25 3 3.75 km



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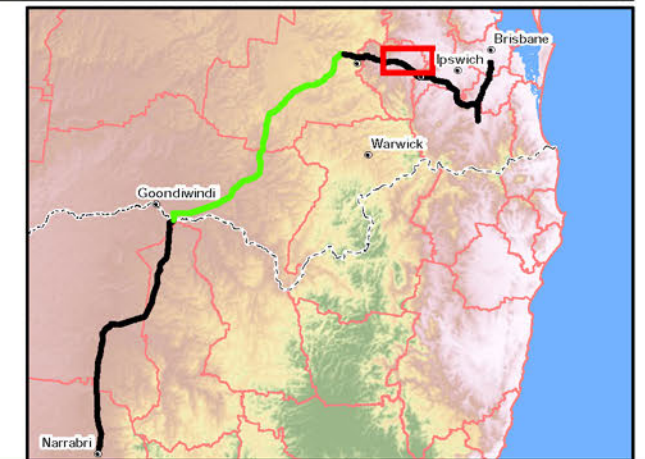
Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Map by: LUCIMEF/LSFC Z:\GIS\GIS_310_B2GTasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|--------------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| ● Localities | ● Fatal |
| — Helidon to Calvert alignment | ● Hospitalisation |
| — Existing rail (operational) | ● Medical treatment |
| — Major roads | ● Minor injury |
| — Minor roads | |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



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Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

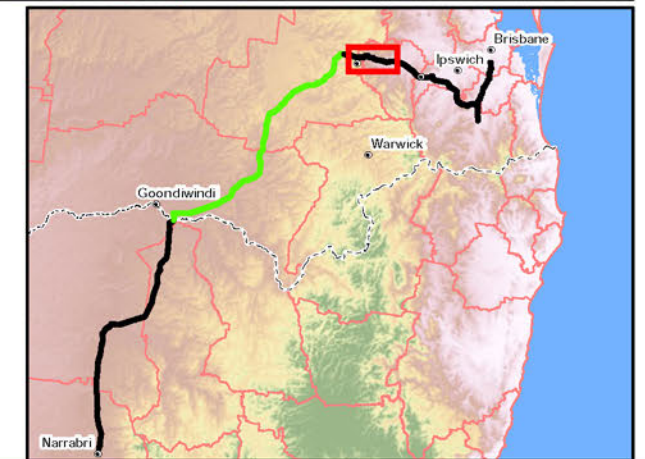
Appendix E46: Existing construction route crashes

Map by: LUCMEF/SLFC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Localities
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Existing rail (operational)
- Major roads
- Minor roads
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

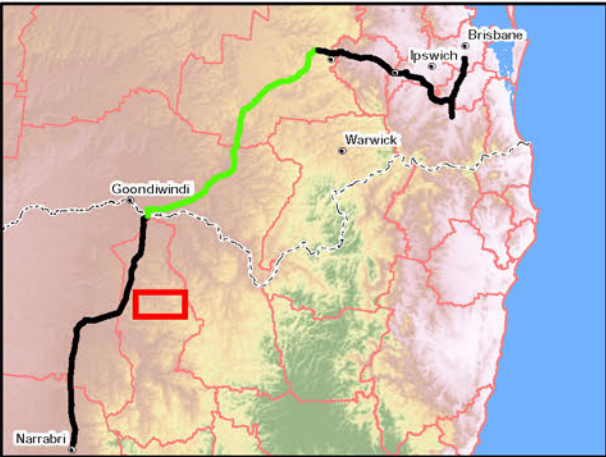
Appendix E47: Existing construction route crashes

Map by: LUC/MEF/LSFC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- Arterial Road
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

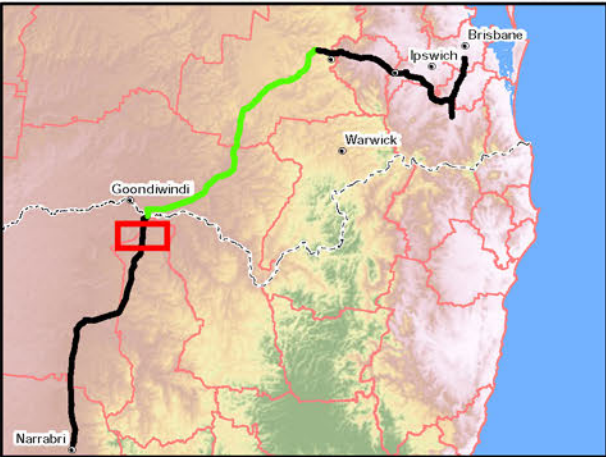
Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Map by: LUC/ME/LS/FC Z:\GIS\GIS_310_B2GTask\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- 5 Chainage (km)
- North Star to NSW/QLD border alignment
- ArterialRoad
- Construction routes
- Fatal
- Hospitalisation
- Medical treatment
- Minor injury



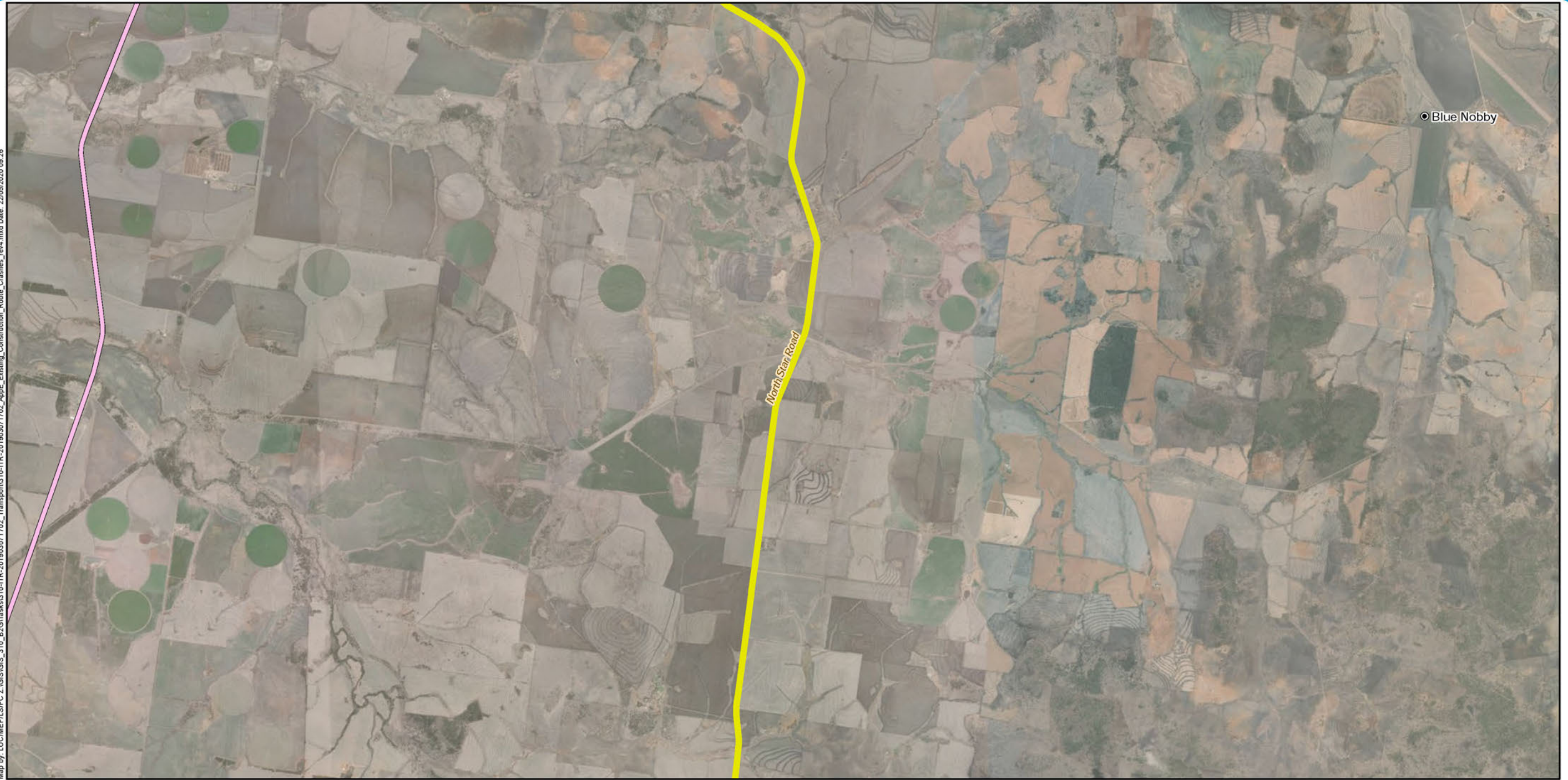
A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75km



Future Freight
Integrating Community, Environment and Engineering

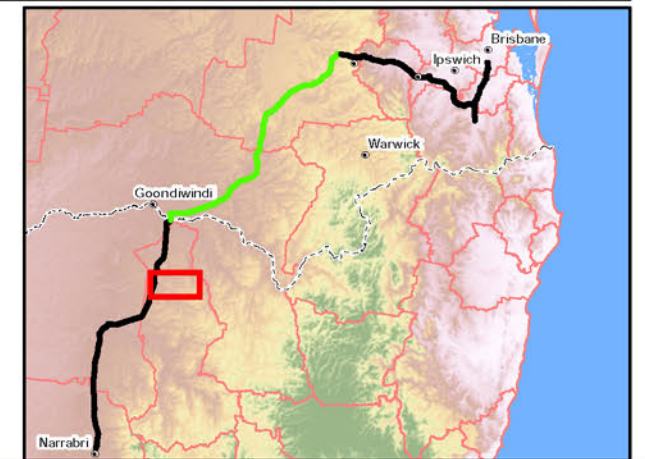
Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Map by: LUC/MEF/LSFC Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppE_Existing_Construction_Route_Crashes_rev4.mxd Date: 22/05/2020 09:26



Legend

- | | |
|----------------------------------|---------------------|
| 5 Chainage (km) | Construction routes |
| Localities | Fatal |
| Narrabri to North Star alignment | Hospitalisation |
| Arterial Road | Medical treatment |
| | Minor injury |



A3 scale: 1:100,000
0 0.75 1.5 2.25 3 3.75 km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix E49: Existing construction route crashes

APPENDIX

X

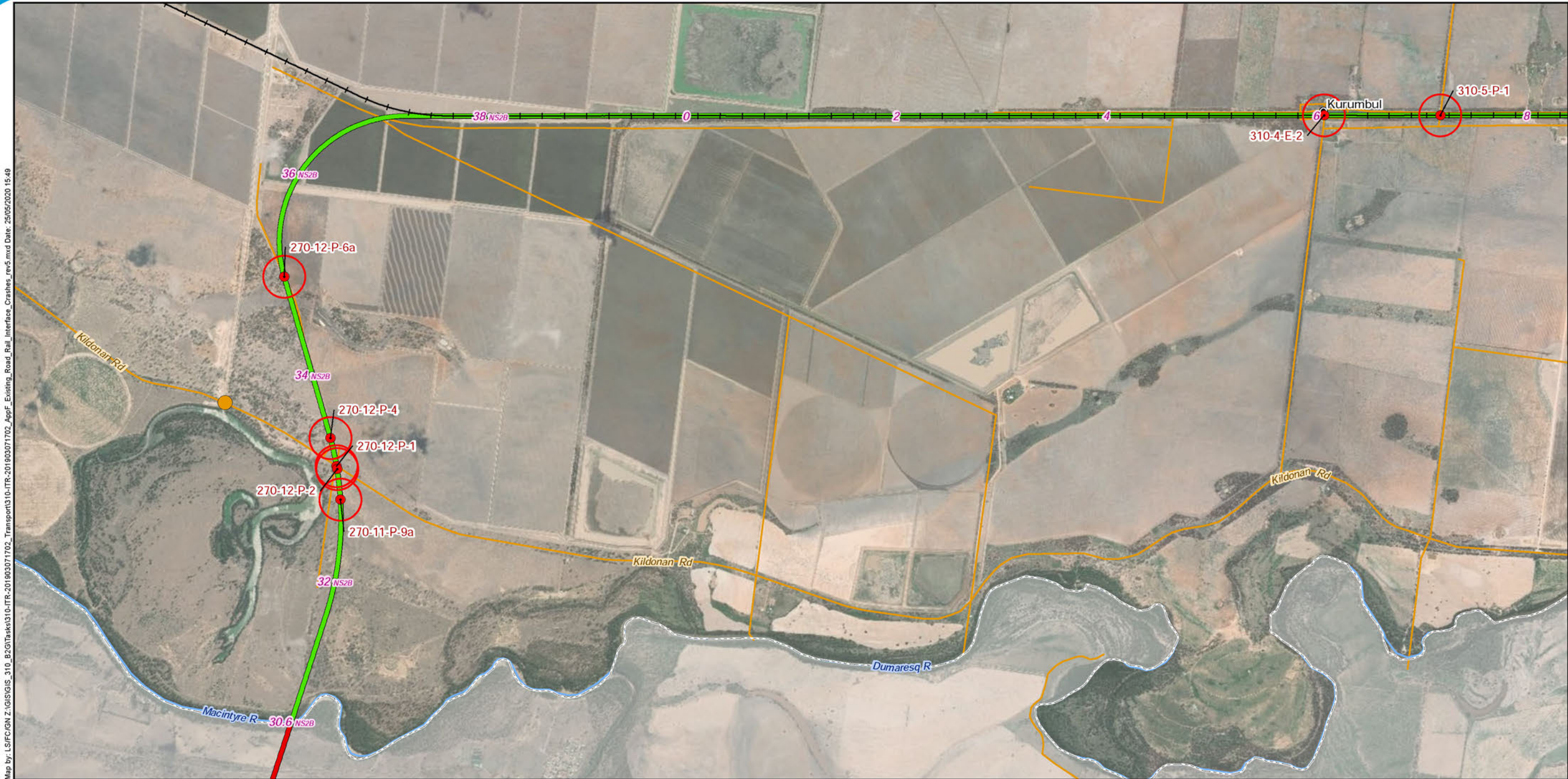
Traffic Impact Assessment

Appendix F Existing Road–Rail Interface Crashes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix F

Existing road-rail interface crashes



Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49

Legend

- 5 Chainage (km)
- Localities
- Road rail interface
- Hospitalisation
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- Minor roads
- 200m Buffer



A3 scale: 1:40,000





- Legend**
- 5 Chainage (km)
 - Road rail interface
 - Border to Gowrie alignment
 - Existing rail (operational)
 - Watercourses
 - Minor roads
 - 200m Buffer



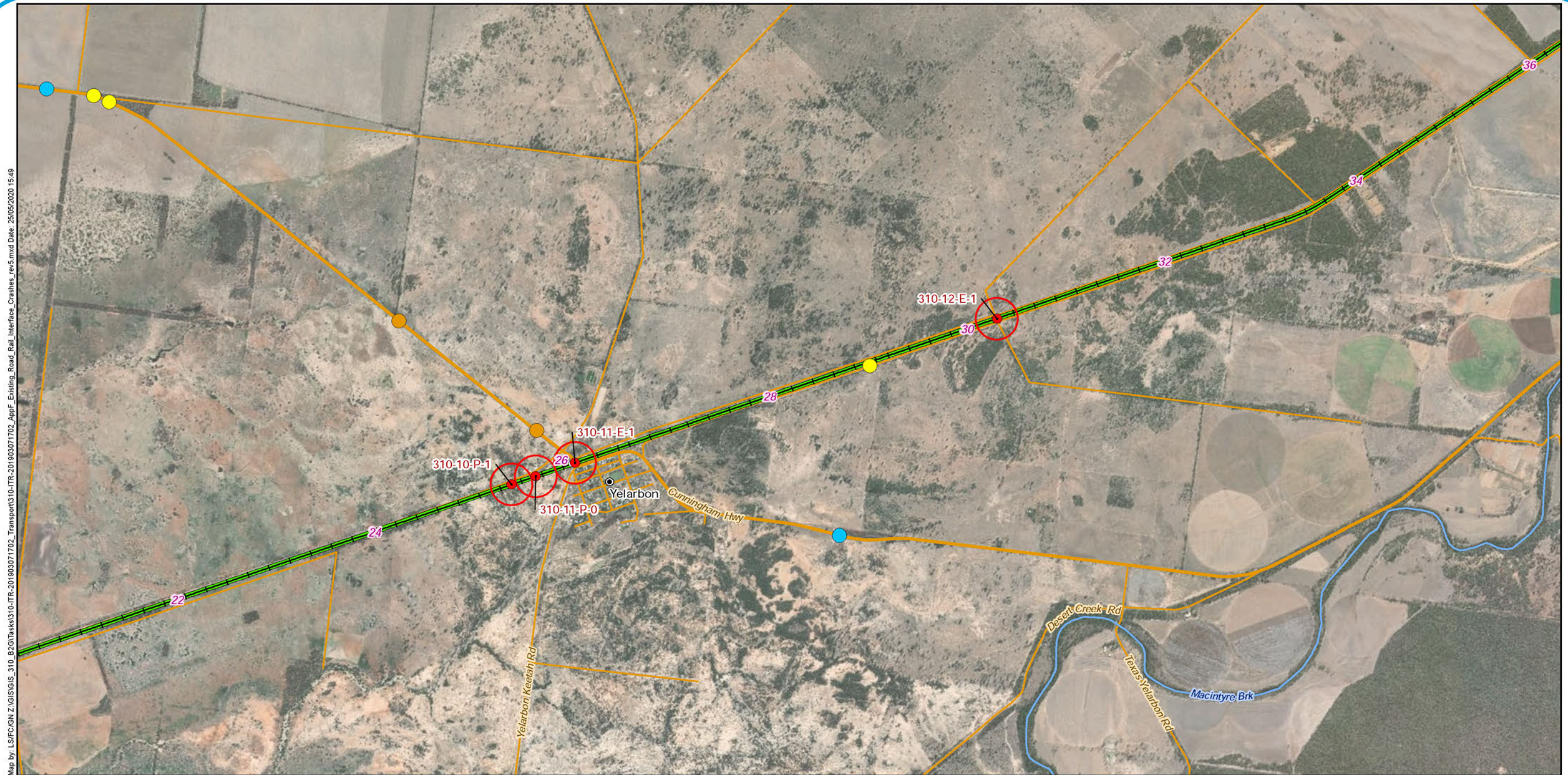
A3 scale: 1:40,000

0 0.5 1 1.5 2 2.5km



Future Freight
 Integrating Community, Environment and Engineering

Issue date: 25/05/2020 Version: 5
 Coordinate System: GDA 1994 MGA Zone 56



Legend

- | | |
|---------------------|-----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Existing rail (operational) |
| Road rail interface | Watercourses |
| Hospitalisation | Major roads |
| Medical treatment | Minor roads |
| Minor injury | 200m Buffer |



A3 scale: 1:40,000

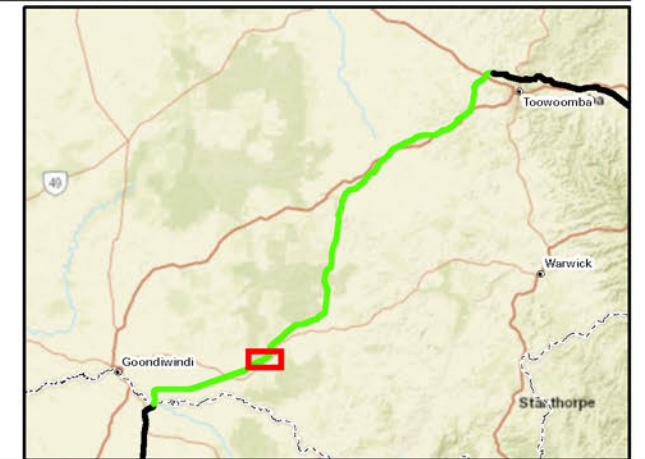


Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49



Legend

- 5 Chainage (km)
- Road rail interface
- Border to Gowrie alignment
- Existing rail (operational)
- Watercourses
- Major roads
- Minor roads
- 200m Buffer



A3 scale: 1:40,000

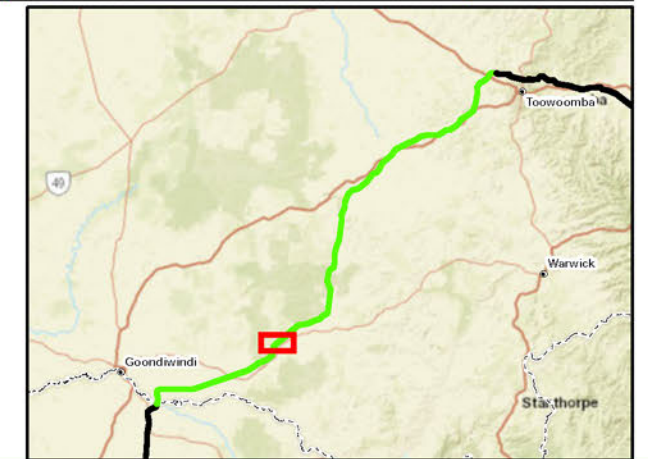


Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49



Legend

- | | |
|-----------------------|-------------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| ● Road rail interface | — Existing rail (operational) |
| ● Hospitalisation | — Watercourses |
| ● Medical treatment | — Major roads |
| | — Minor roads |
| | 200m Buffer |



A3 scale: 1:40,000



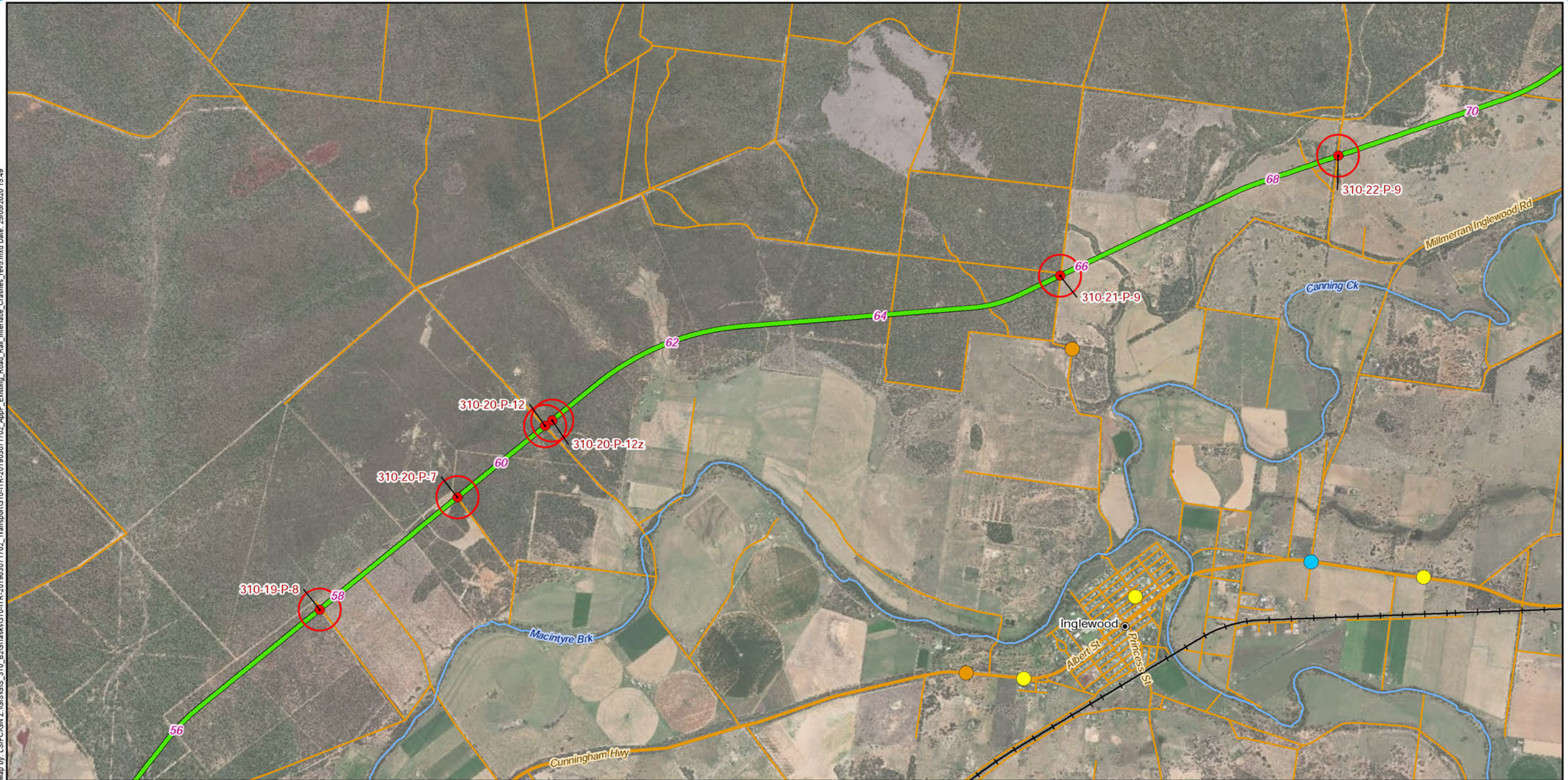
Future Freight
 Integrating Community, Environment and Engineering

Issue date: 25/05/2020 Version: 5
 Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix F5: Existing road rail interfaces crashes

Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\GIS_310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49



Legend

- | | |
|---------------------|-----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Existing rail (operational) |
| Road rail interface | Watercourses |
| Hospitalisation | Major roads |
| Medical treatment | Minor roads |
| Minor injury | 200m Buffer |



A3 scale: 1:40,000

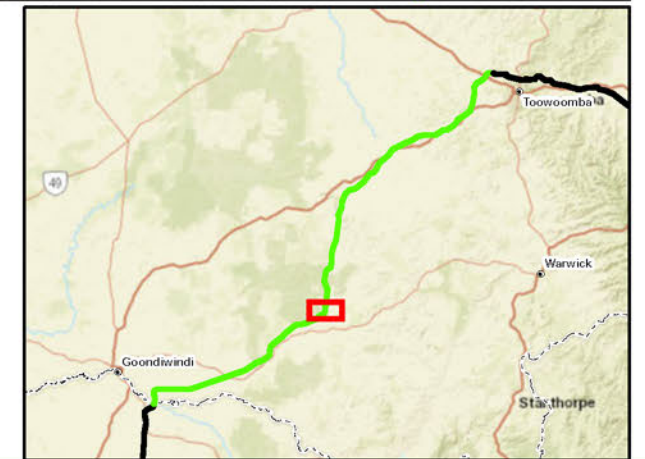
0 0.5 1 1.5 2 2.5km

Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49



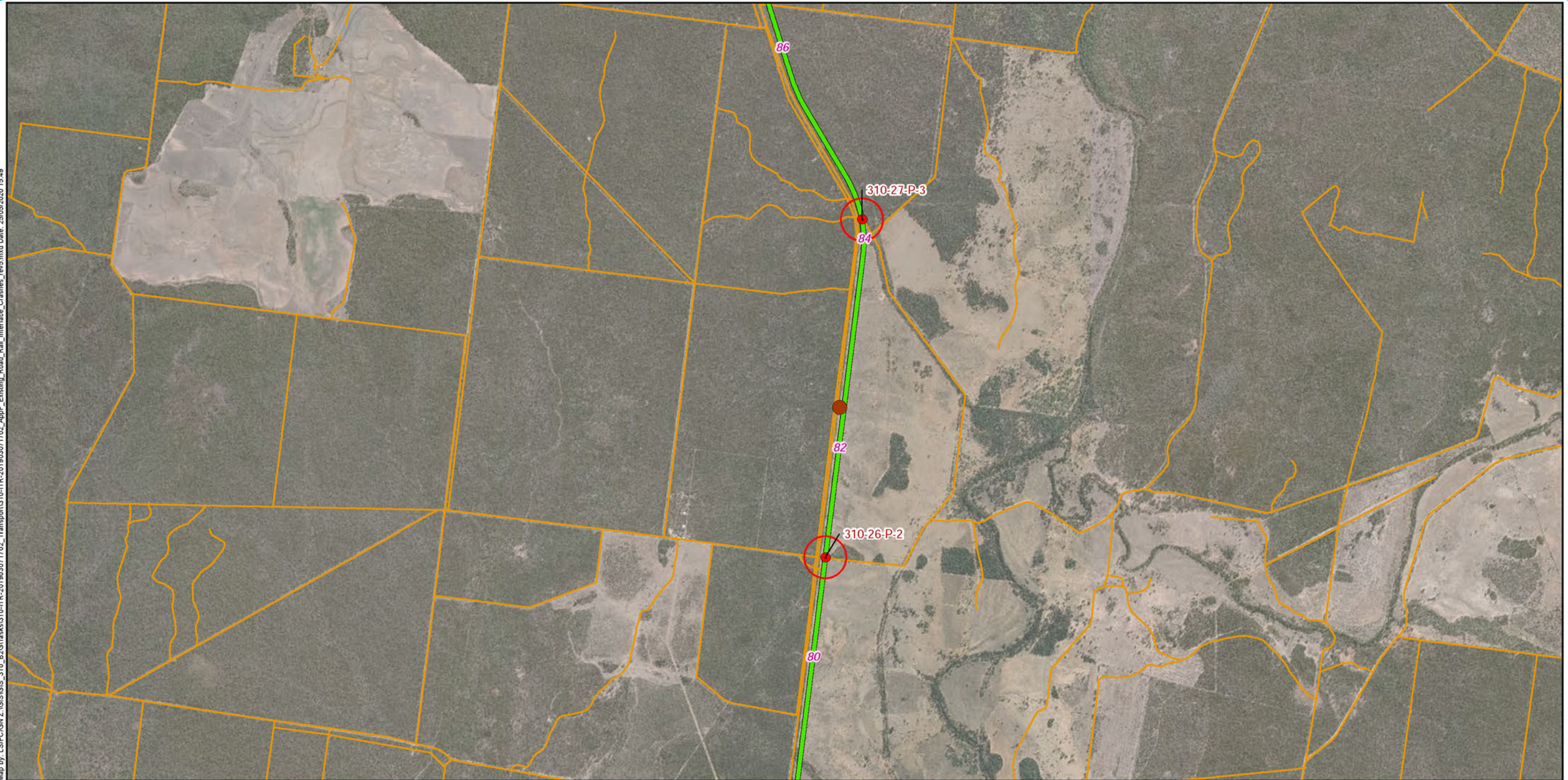
Legend

- 5 Chainage (km)
- Road rail interface
- Medical treatment
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



A3 scale: 1:40,000
 0 0.5 1 1.5 2 2.5km

Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\GIS_310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49



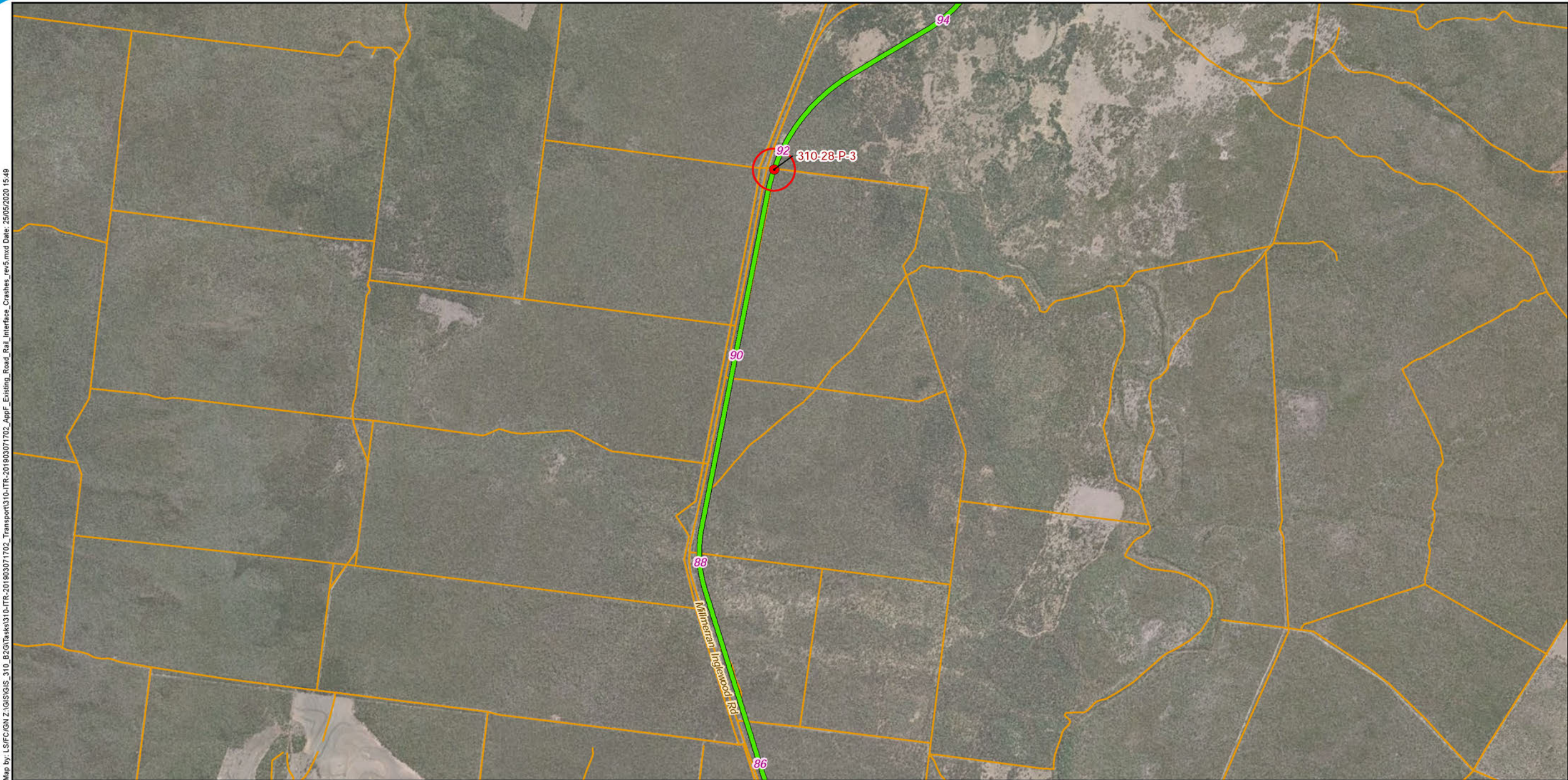
Legend

- 5 Chainage (km)
- Road rail interface
- Fatal
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



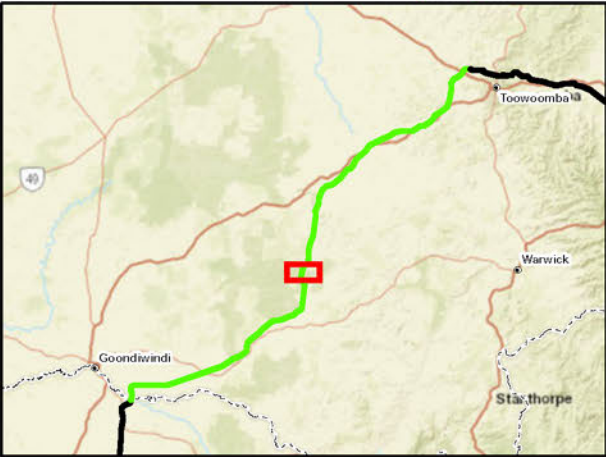
A3 scale: 1:40,000





Legend

- 5 Chainage (km)
- Road rail interface
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



Future Freight
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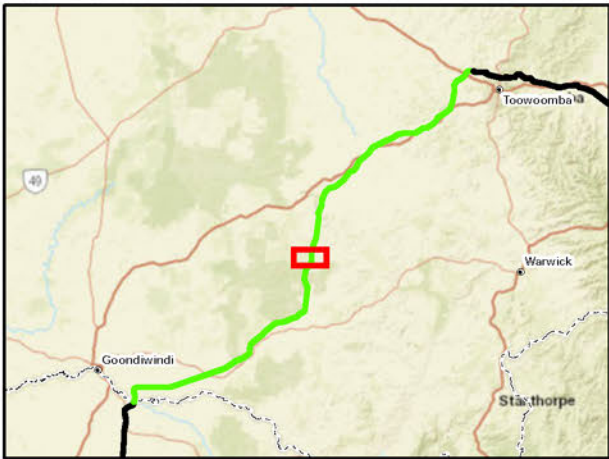
Issue date: 25/05/2020 Version: 5
Coordinate System: GDA 1994 MGA Zone 56

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Legend

- 5 Chainage (km)
- Road rail interface
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km

Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49

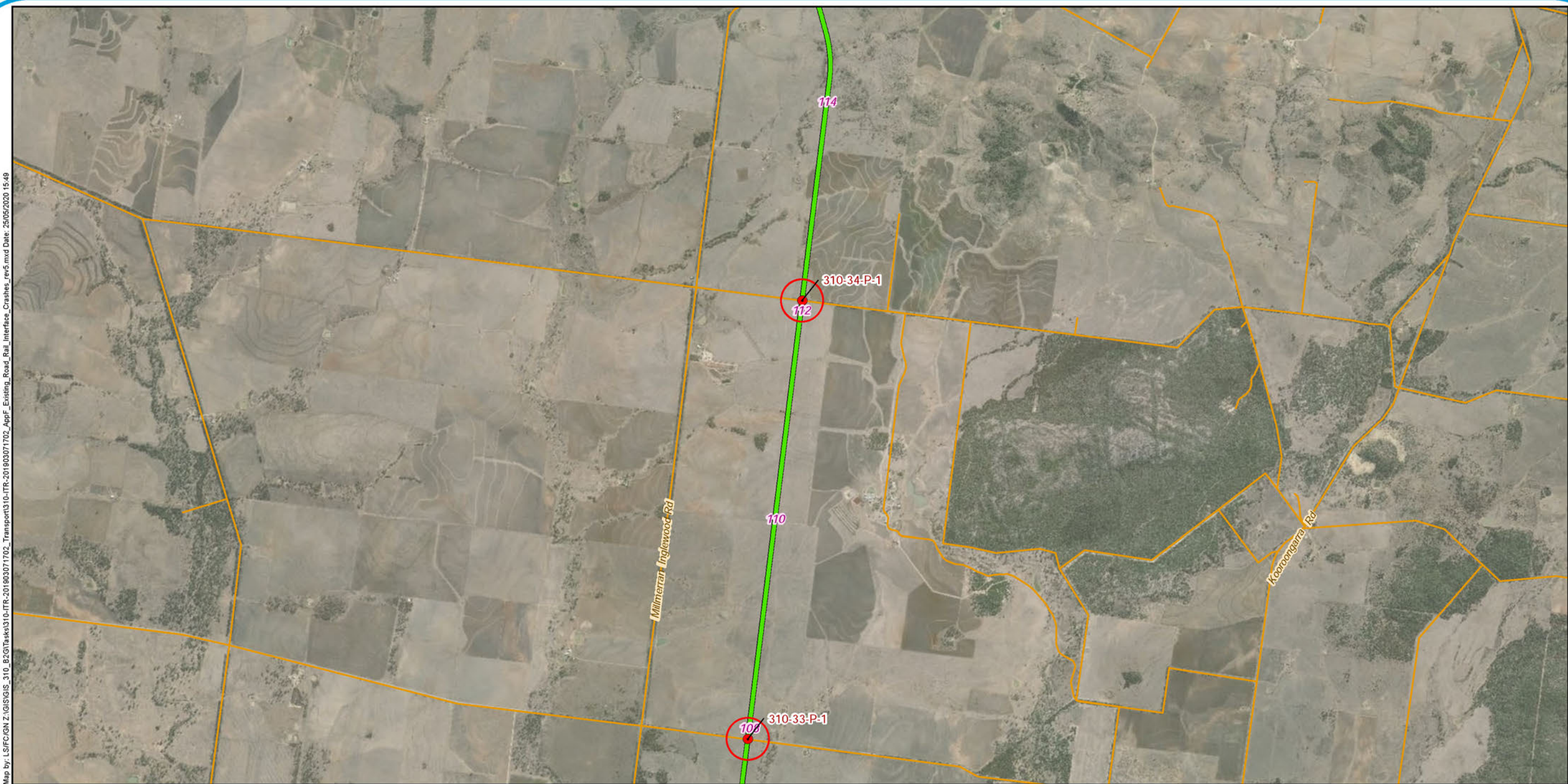


Legend

- 5 Chainage (km)
- Localities
- Road rail interface
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\Tasks\310-ITR-20190307\1702_Transport\310-ITR-20190307\1702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49

Legend

- 5 Chainage (km)
- Road rail interface
- Border to Gowrie alignment
- Minor roads
- 200m Buffer



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



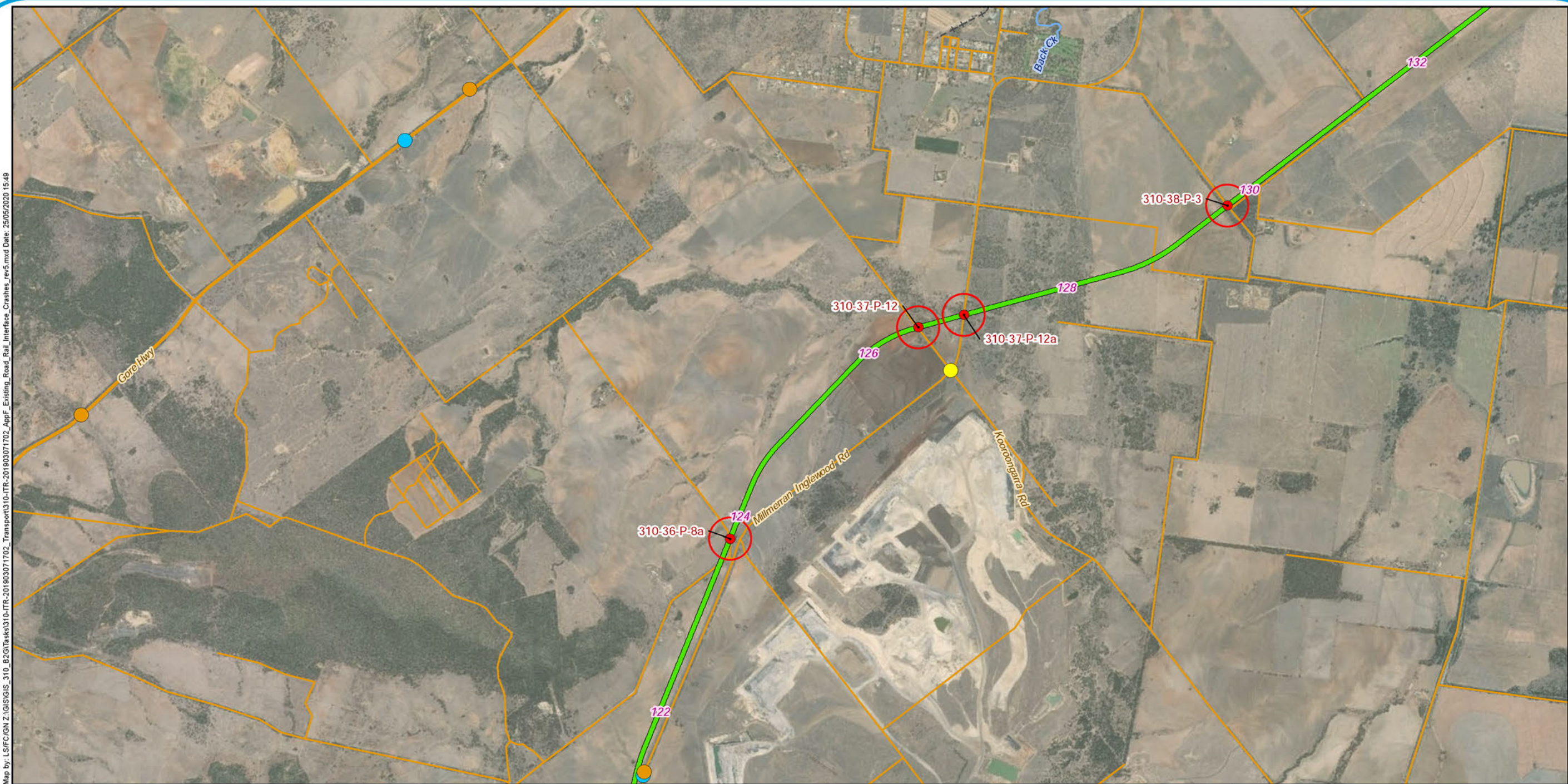
Legend

- | | |
|-----------------------|----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| ● Road rail interface | Major roads |
| ● Hospitalisation | Minor roads |
| ● Minor injury | 200m Buffer |



A3 scale: 1:40,000





Legend

- | | |
|-----------------------|-------------------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| ● Road rail interface | --- Existing rail (non-operational) |
| ● Hospitalisation | Watercourses |
| ● Medical treatment | Major roads |
| ● Minor injury | Minor roads |
| | 200m Buffer |

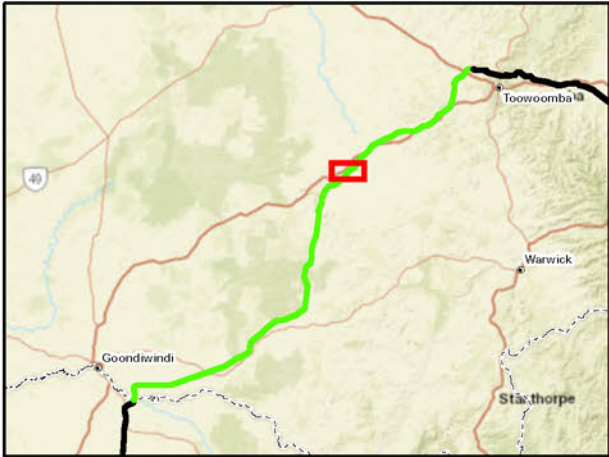


A3 scale: 1:40,000





- Legend**
- | | |
|---------------------|---------------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Existing rail (non-operational) |
| Road rail interface | Watercourses |
| Hospitalisation | Major roads |
| Minor injury | Minor roads |
| | 200m Buffer |



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



Future Freight
Integrating Community, Environment and Engineering

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Legend

- | | |
|-----------------------|---------------------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| ● Road rail interface | — Existing rail (operational) |
| ● Hospitalisation | - - - Existing rail (non-operational) |
| ● Medical treatment | — Watercourses |
| ● Minor injury | — Major roads |
| | — Minor roads |
| | □ 200m Buffer |



A3 scale: 1:40,000





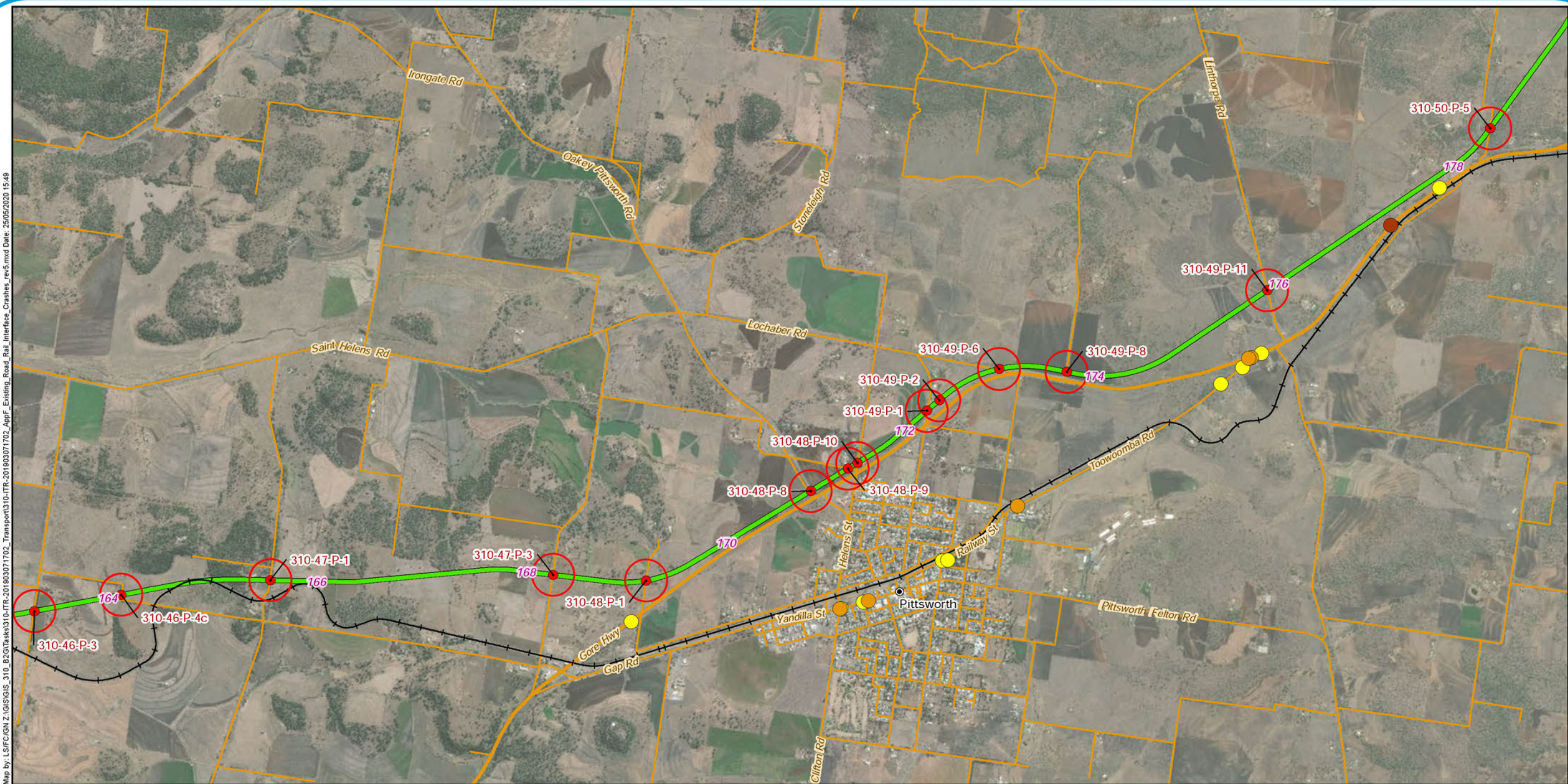
Legend

- | | |
|---------------------|-----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Existing rail (operational) |
| Road rail interface | Watercourses |
| Fatal | Major roads |
| Hospitalisation | Minor roads |
| Medical treatment | 200m Buffer |
| Minor injury | |



A3 scale: 1:40,000





Map by: LS/FC/IGN Z:\GIS\GIS_310_B2\GIS\310-ITR-201903071702_Transport\310-ITR-201903071702_AppF_Existing_Road_Rail_Interface_Crashes_rev5.mxd Date: 25/05/2020 15:49

Legend

- | | |
|---------------------|-----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Existing rail (operational) |
| Road rail interface | Major roads |
| Fatal | Minor roads |
| Hospitalisation | 200m Buffer |
| Medical treatment | |



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



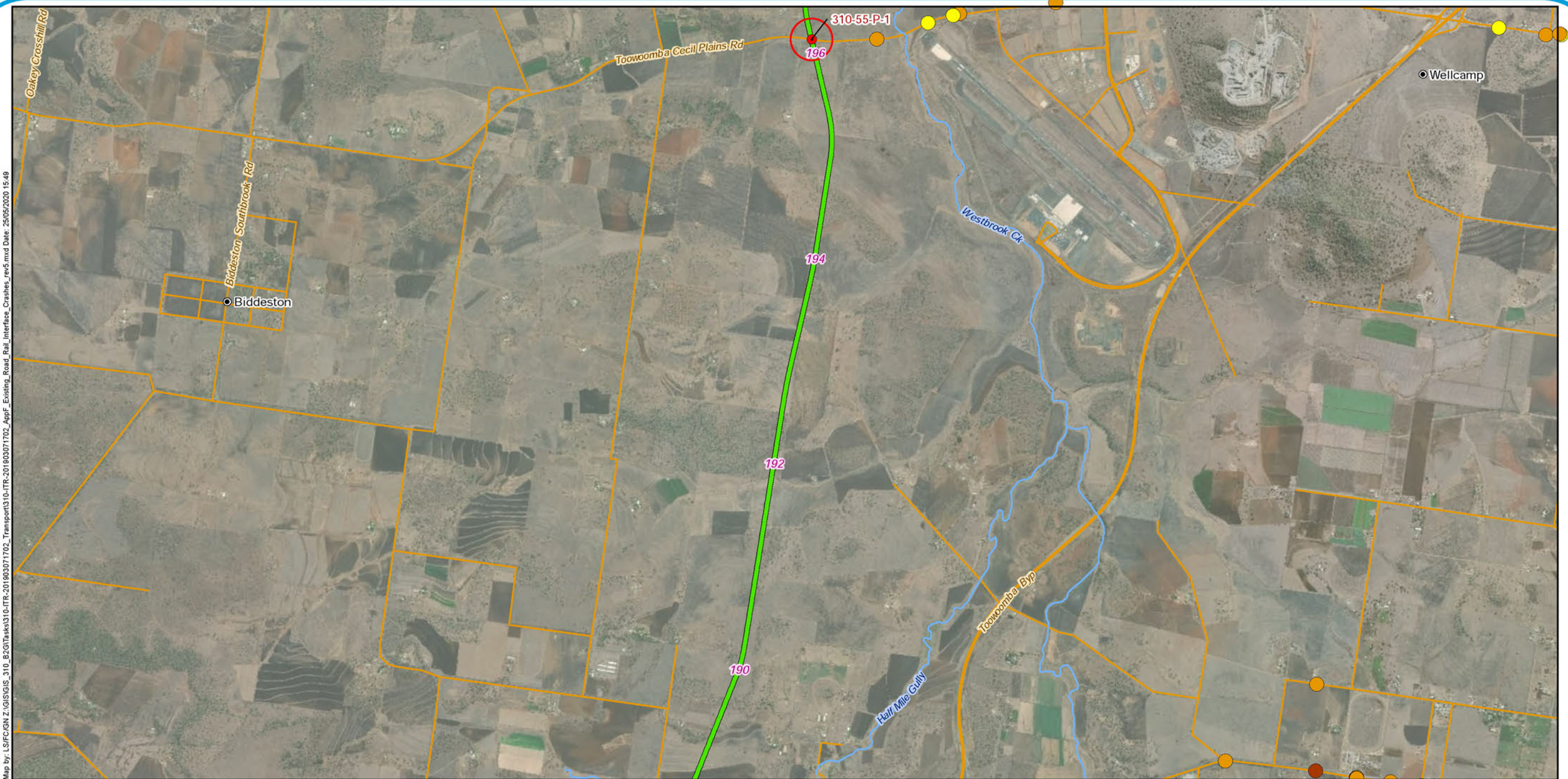
Legend

- | | |
|-----------------------|-------------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| ● Road rail interface | — Existing rail (operational) |
| ● Hospitalisation | — Watercourses |
| ● Medical treatment | — Major roads |
| | — Minor roads |
| | 200m Buffer |



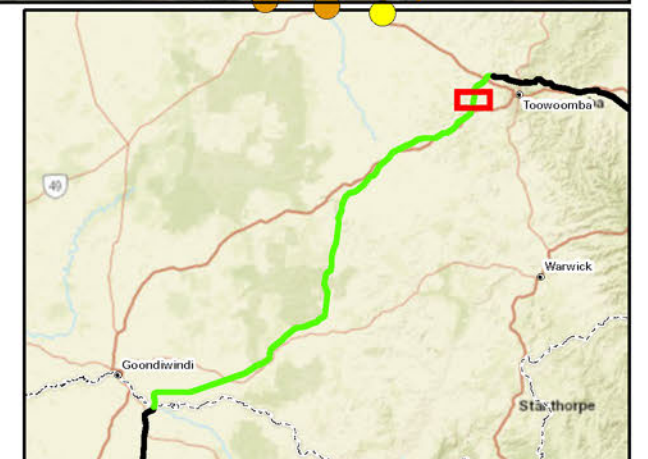
A3 scale: 1:40,000





Legend

- | | |
|---------------------|----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Watercourses |
| Road rail interface | Major roads |
| Fatal | Minor roads |
| Hospitalisation | 200m Buffer |
| Medical treatment | |

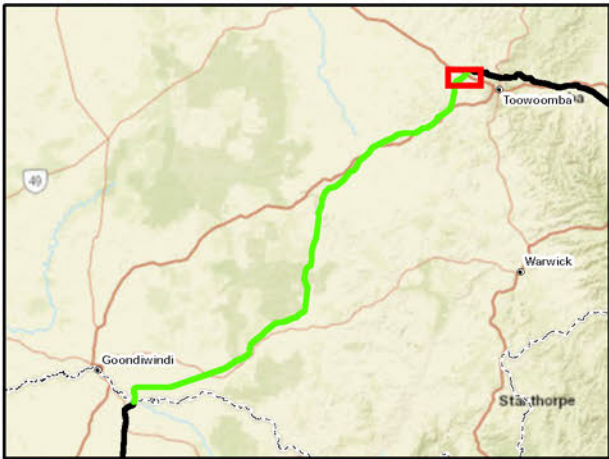


A3 scale: 1:40,000





- Legend**
- | | |
|---------------------|-----------------------------|
| 5 Chainage (km) | Border to Gowrie alignment |
| Localities | Gowrie to Helidon alignment |
| Road rail interface | Existing rail (operational) |
| Fatal | Watercourses |
| Hospitalisation | Major roads |
| Medical treatment | Minor roads |
| Minor injury | 200m Buffer |



A3 scale: 1:40,000
0 0.5 1 1.5 2 2.5km



Future Freight
Integrating Community, Environment and Engineering

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APPENDIX

X

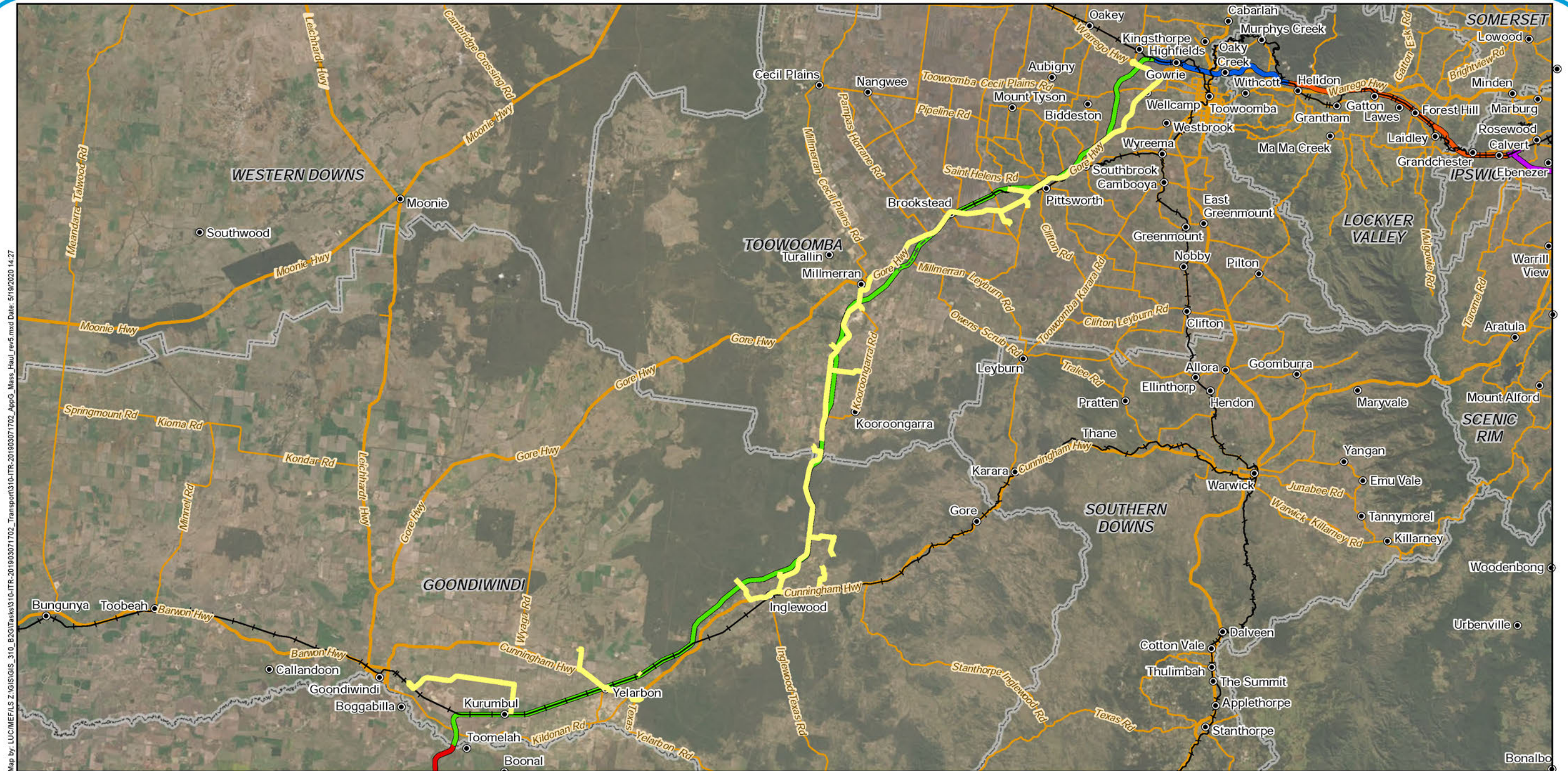
Traffic Impact Assessment

Appendix G Mass Haul Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

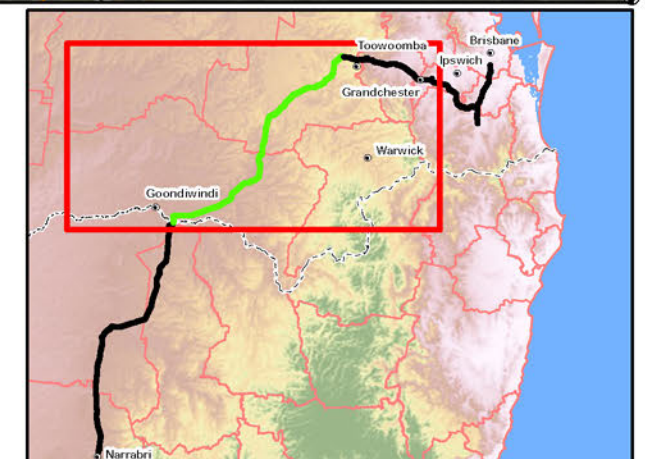
Appendix G

Mass haul construction traffic routes



Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Mass haul construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30 km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 19/05/2020 Version: 5
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix G: Mass haul construction routes

APPENDIX

X

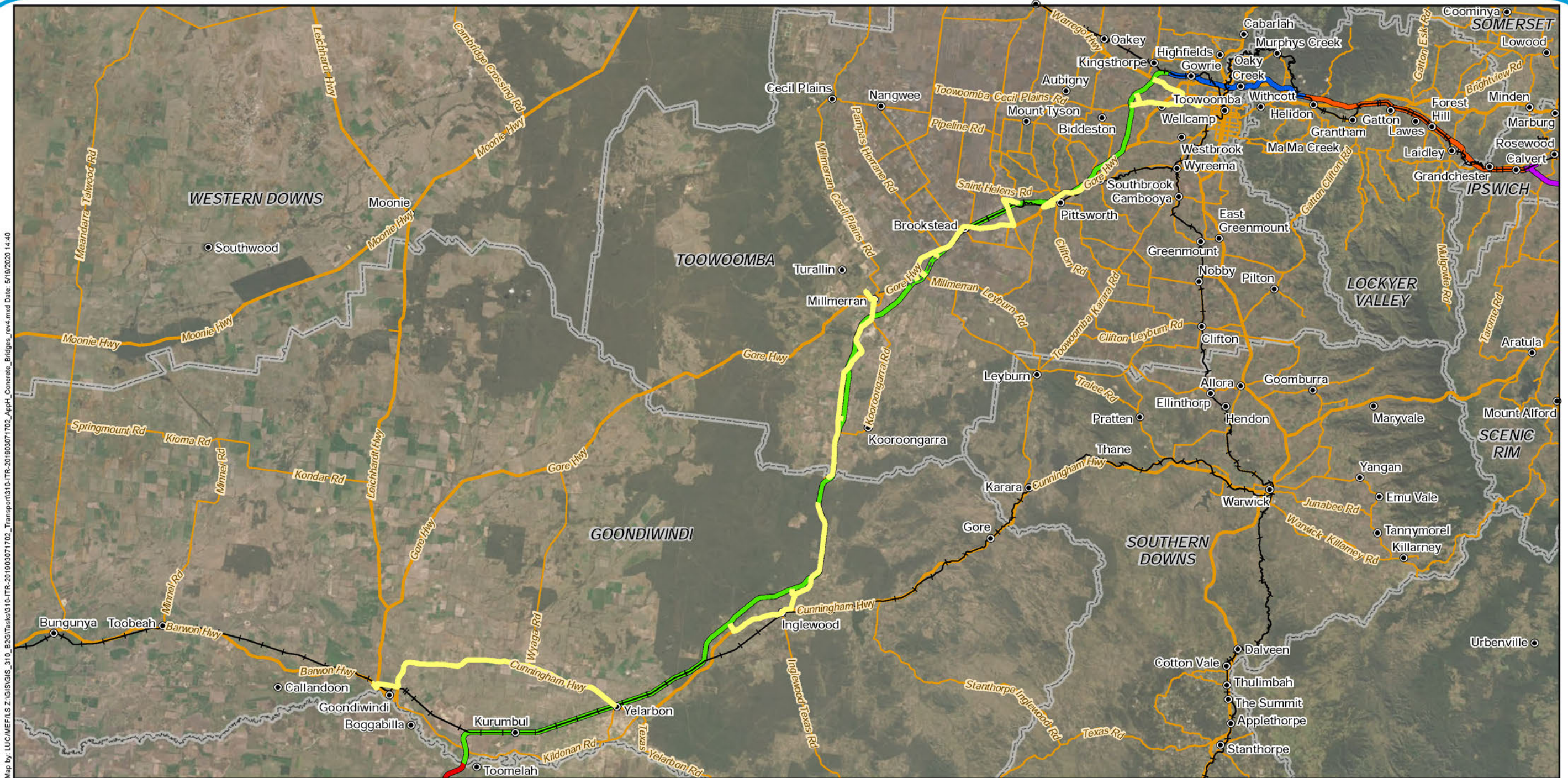
Traffic Impact Assessment

Appendix H Concrete—Bridge Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

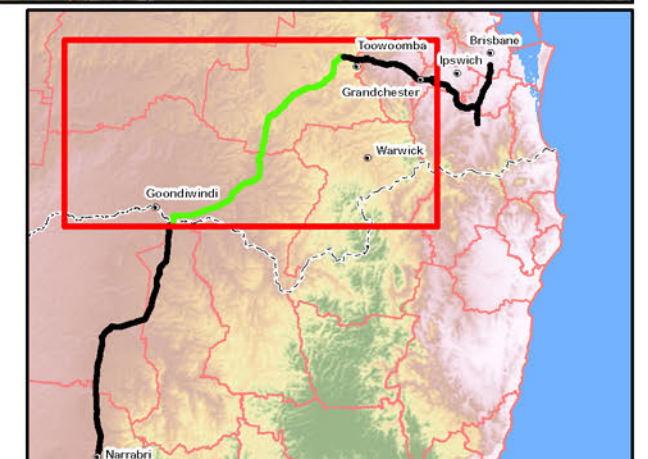
Appendix H

Concrete – bridge construction traffic routes



Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Bridge concrete construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30 km

APPENDIX

X

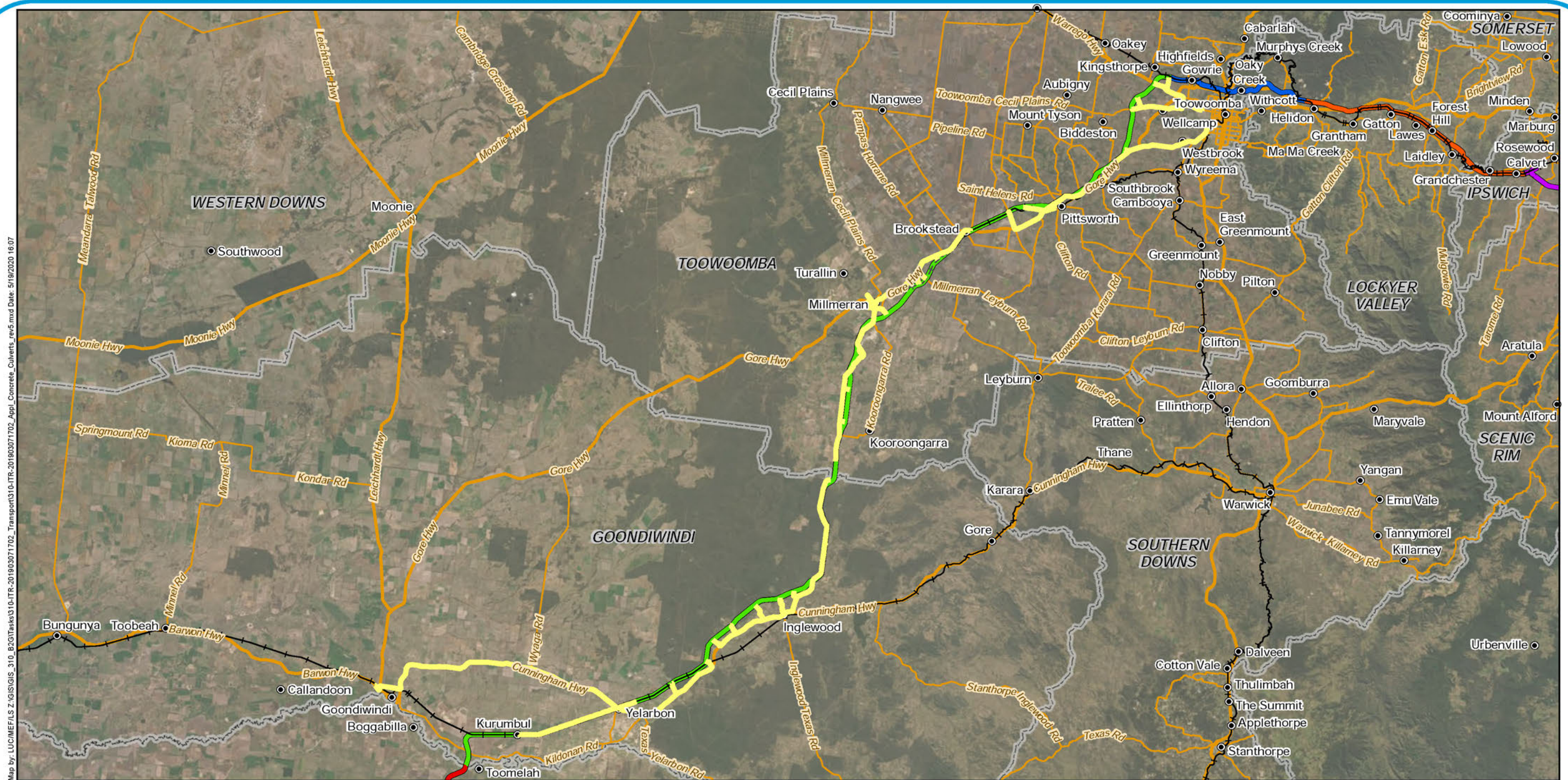
Traffic Impact Assessment

Appendix I Concrete—Culverts Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix I

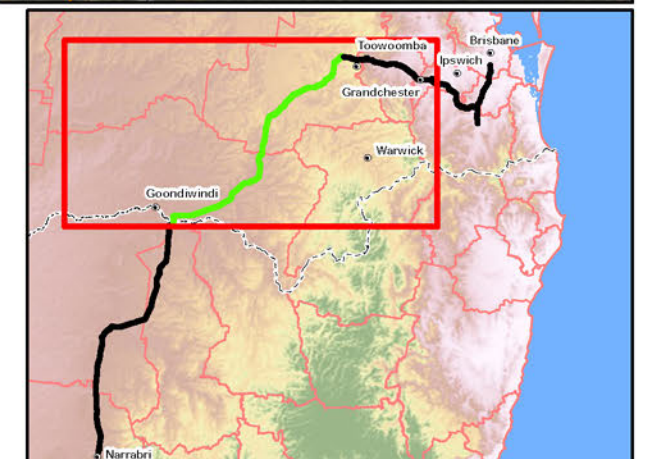
Concrete – culverts construction traffic routes



Map by: LUCIMEF\LS Z:\GIS\GIS_310_B2G\Tasks\310-ITR-201903071702_App\Concrete_Culverts_rev5.mxd Date: 5/19/2020 16:07

Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Culvert concrete construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 19/05/2020 Version: 5
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix I: Culvert concrete construction routes

APPENDIX

X

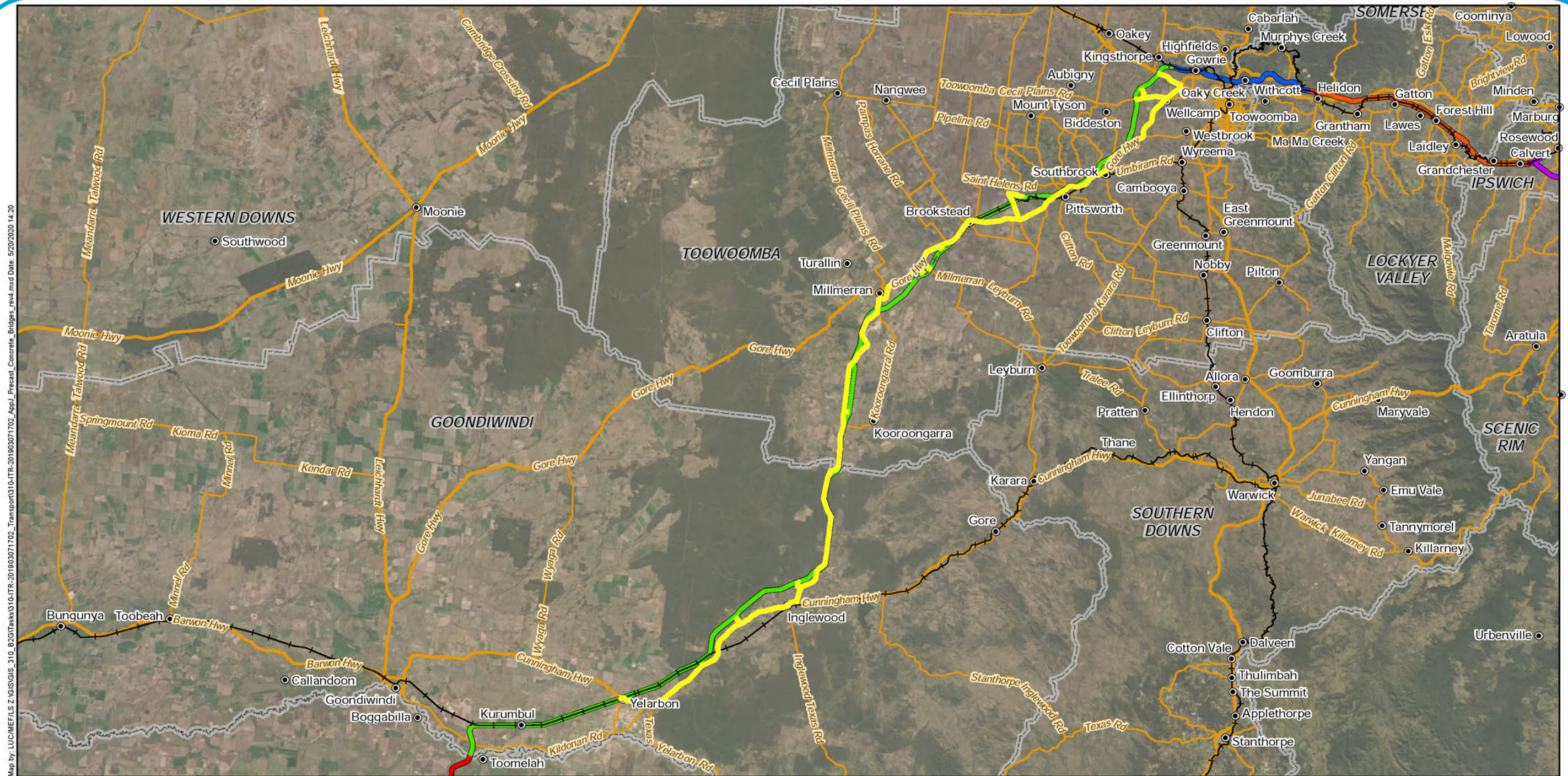
Traffic Impact Assessment

Appendix J Precast Concrete—Bridge Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix J

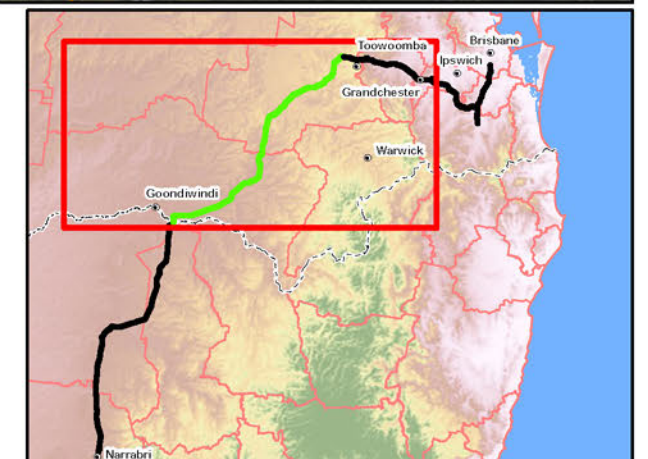
Precast concrete – bridge construction traffic routes



Map by: LUCIMEF\GIS_310_B2GIS\Tasks\310-ITR-201903071702_Transport\310-ITR-201903071702_AppJ_Precast_Concrete_Bridges_rev4.mxd Date: 9/20/2020 14:20

Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Bridge precast concrete construction routes
- Local Government Areas
- Major roads
- Minor roads



A3 scale: 1:800,000
0 6 12 18 24 30km

APPENDIX

X

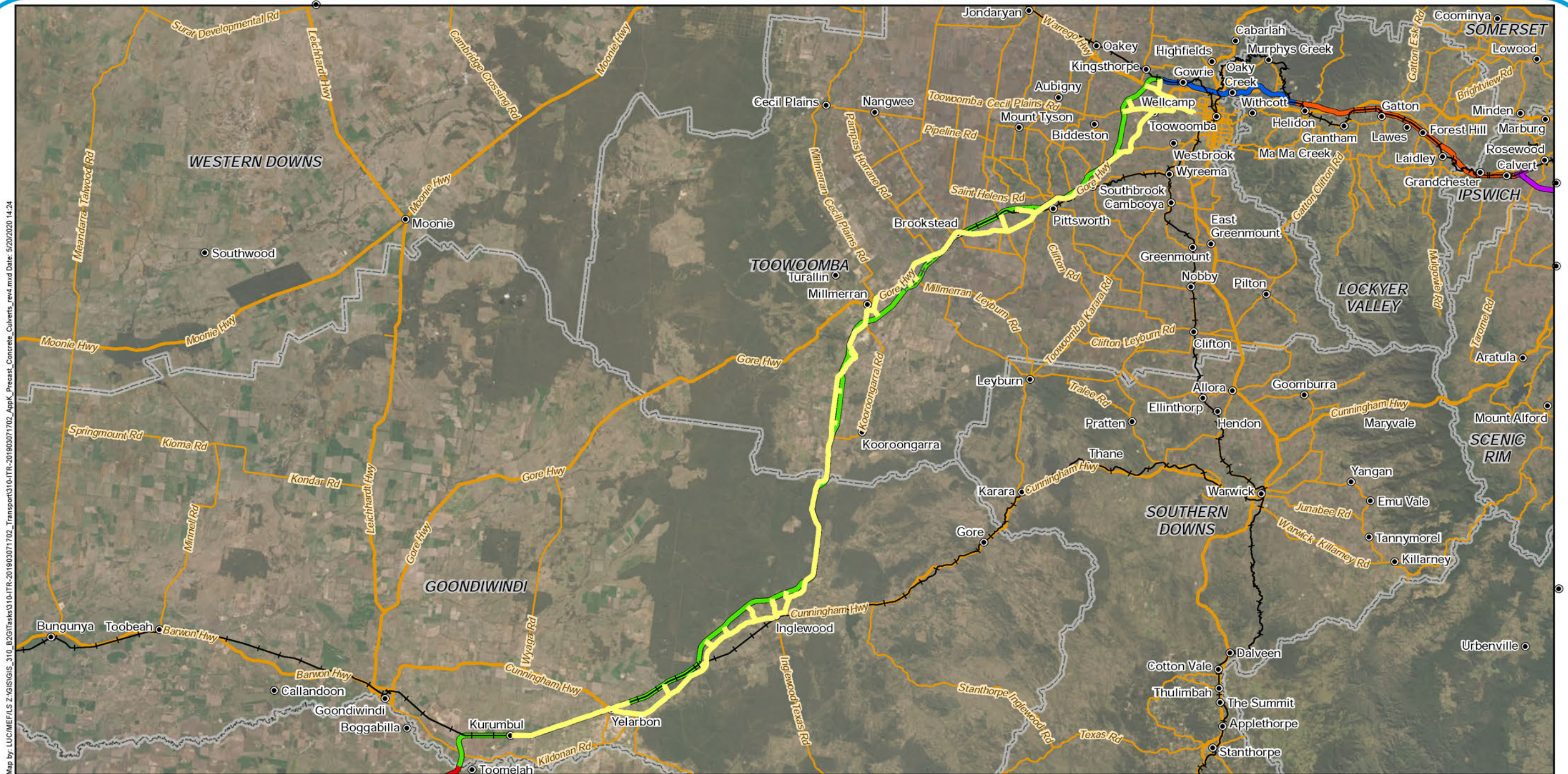
Traffic Impact Assessment

Appendix K Precast Concrete—Culverts Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

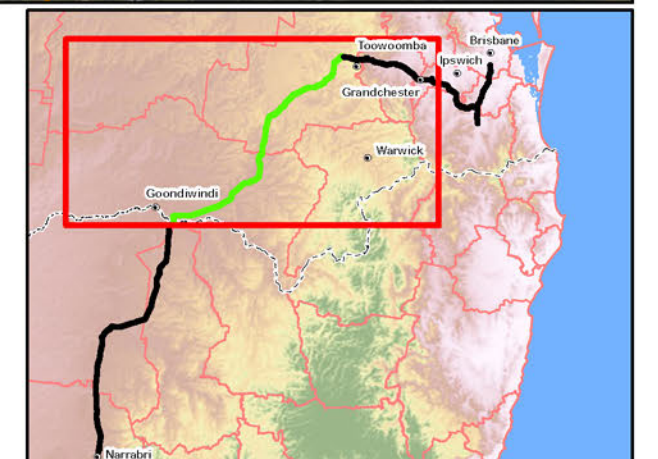
Appendix K

Precast concrete – culverts construction traffic routes



Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Culvert precast concrete construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30km

APPENDIX

X

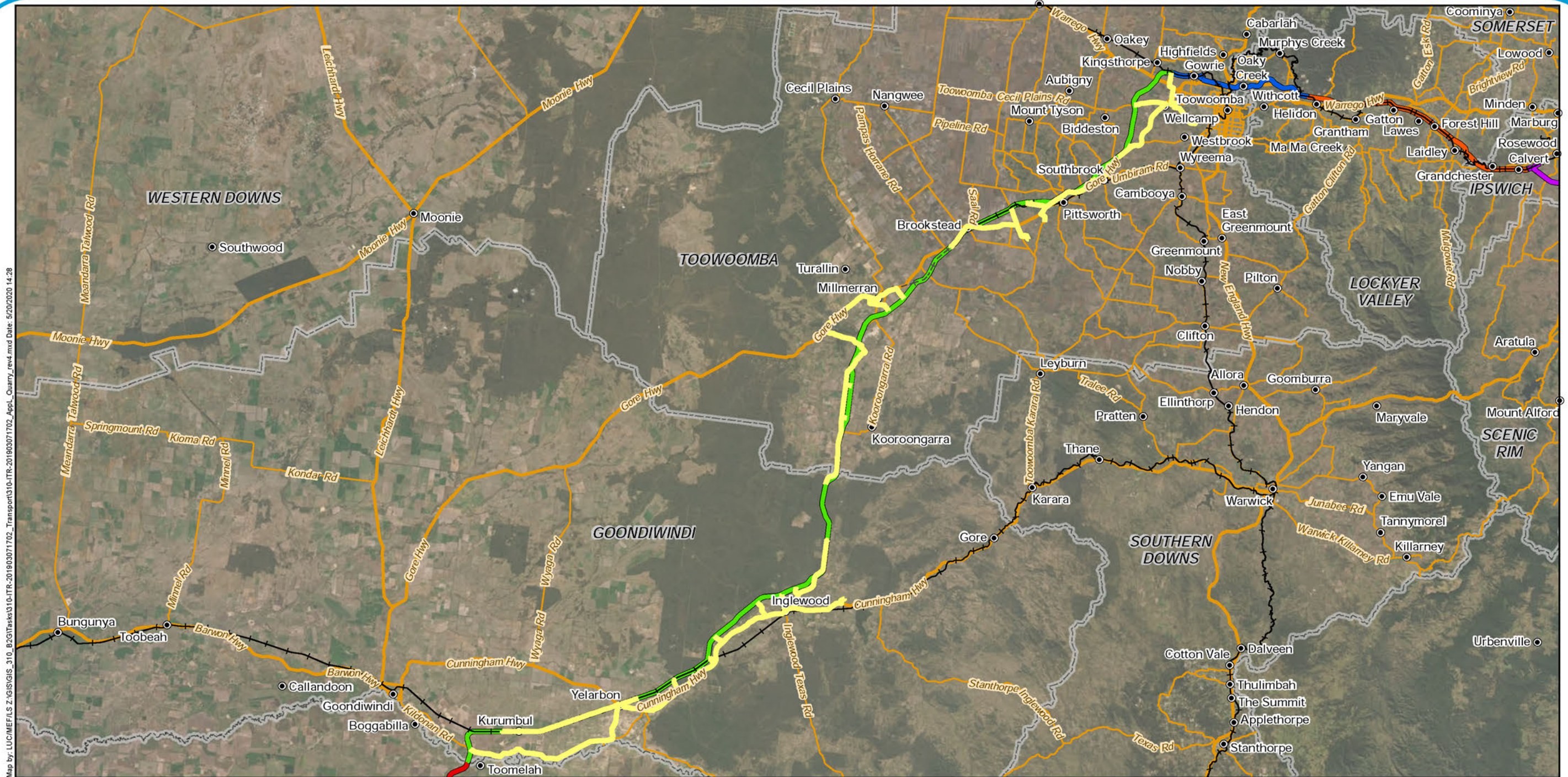
Traffic Impact Assessment

Appendix L Quarry Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

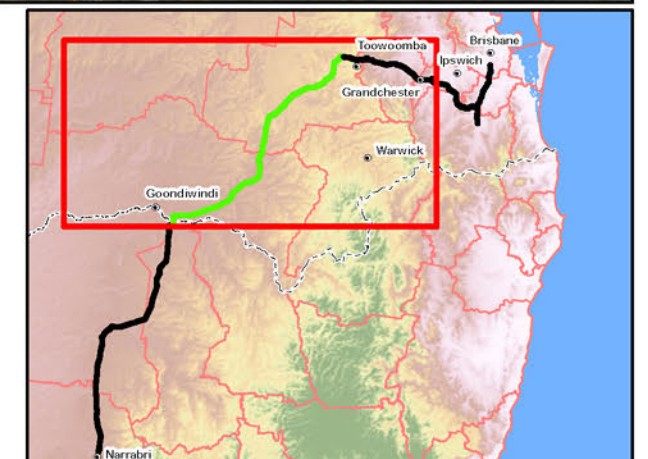
Appendix L

Quarry construction traffic routes



Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- Existing rail (non-operational)
- Quarry construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 13/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix L: Quarry construction routes

APPENDIX

X

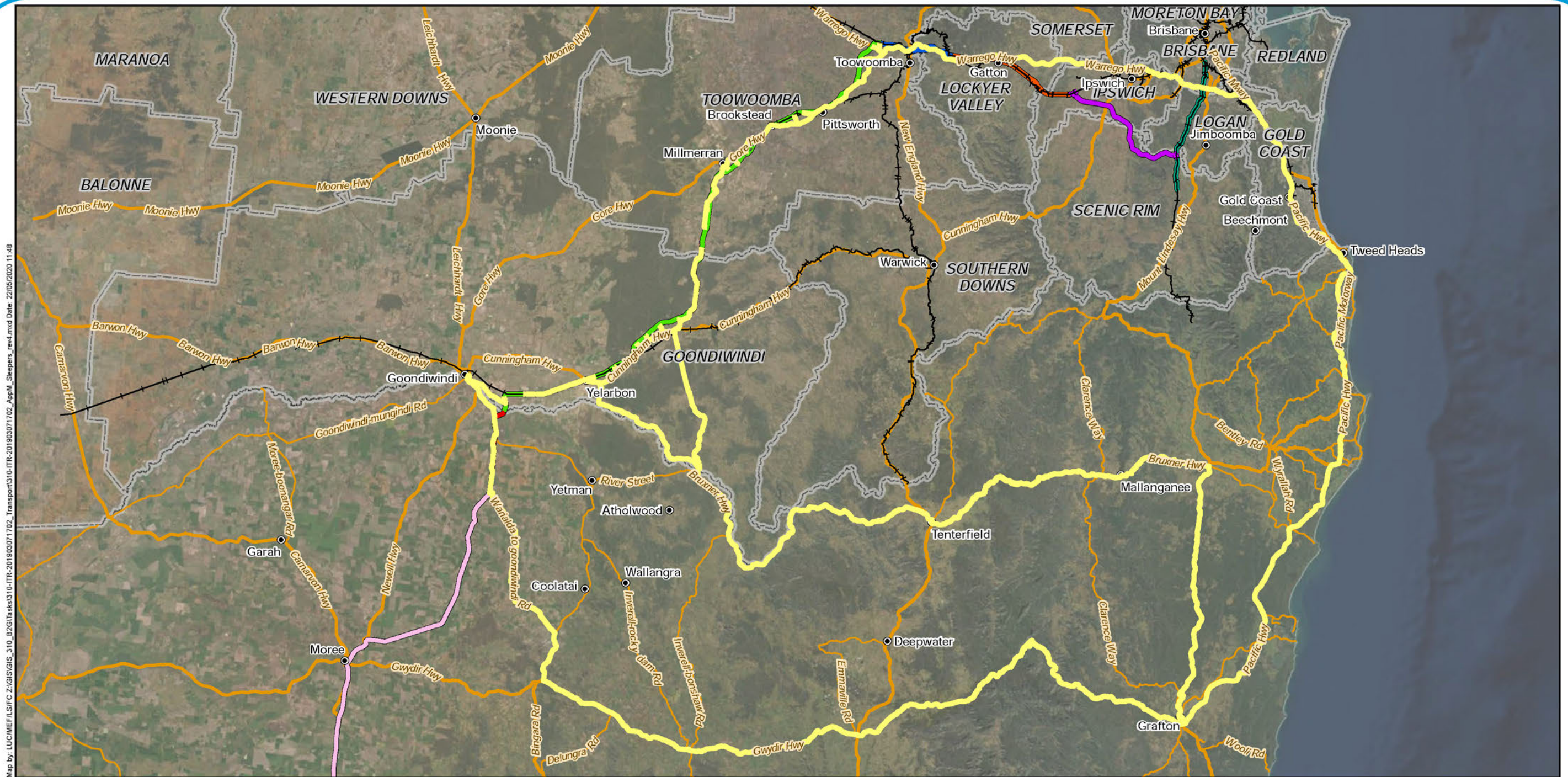
Traffic Impact Assessment

Appendix M Sleepers Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix M

Sleepers construction traffic routes

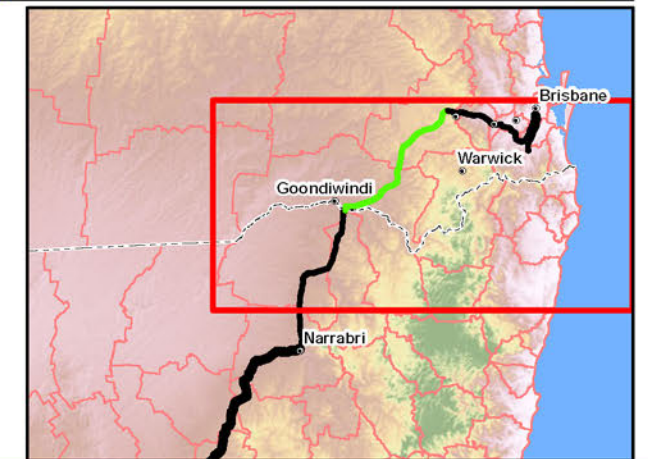


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Legend

- Localities
- Narrabri to North Star alignment
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Kagaru to Acacia Ridge/Bromelton alignment

- Sleeper construction routes
- Major roads
- Existing rail (operational)
- Existing rail (non-operational)
- Local Government Areas



A3 scale: 1:1,500,000
0 10 20 30 40 50km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 22/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

APPENDIX

X

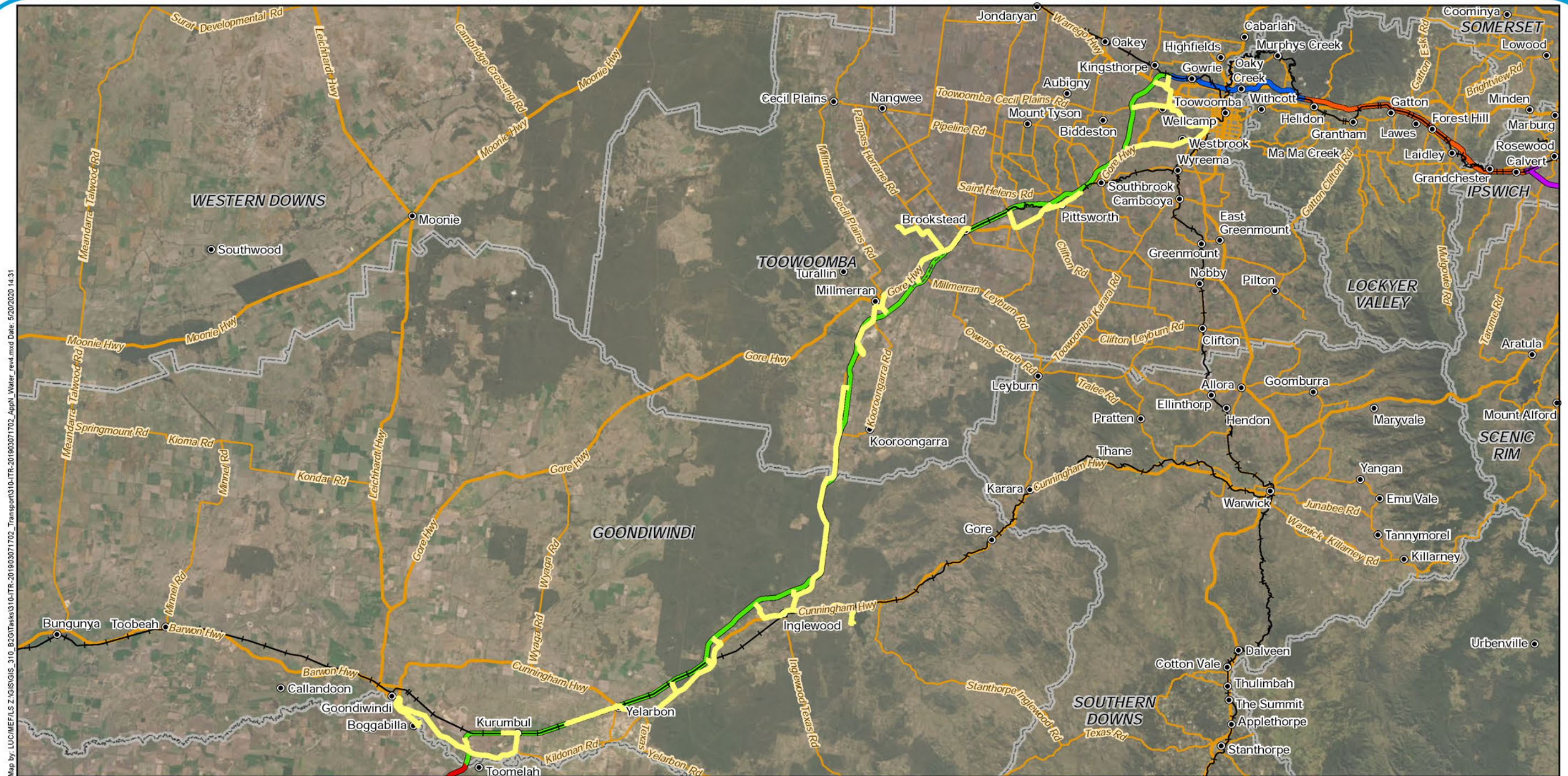
Traffic Impact Assessment

Appendix N Water Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix N

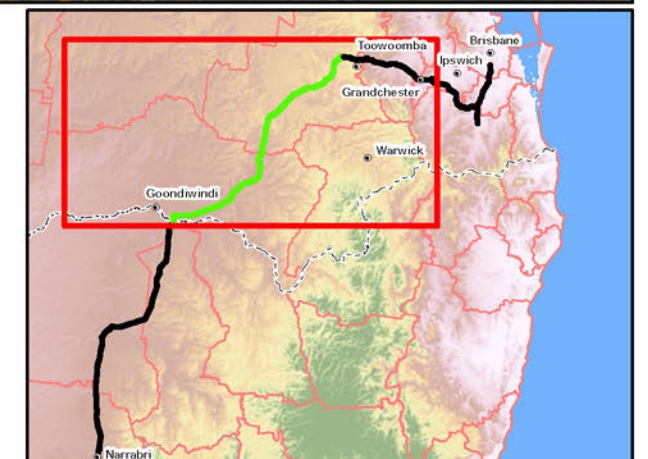
Water construction traffic routes



Map by: LUCIMEF\LS 310_B2GIS\GIS_310_B2GIS\Tasks\310-10-1TR-201903071702_AppN_Water_rev4.mxd Date: 9/20/2020 14:31

Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Existing rail (operational)
- - Existing rail (non-operational)
- Water construction routes
- Major roads
- Minor roads
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 19/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix N: Water construction routes

APPENDIX

X

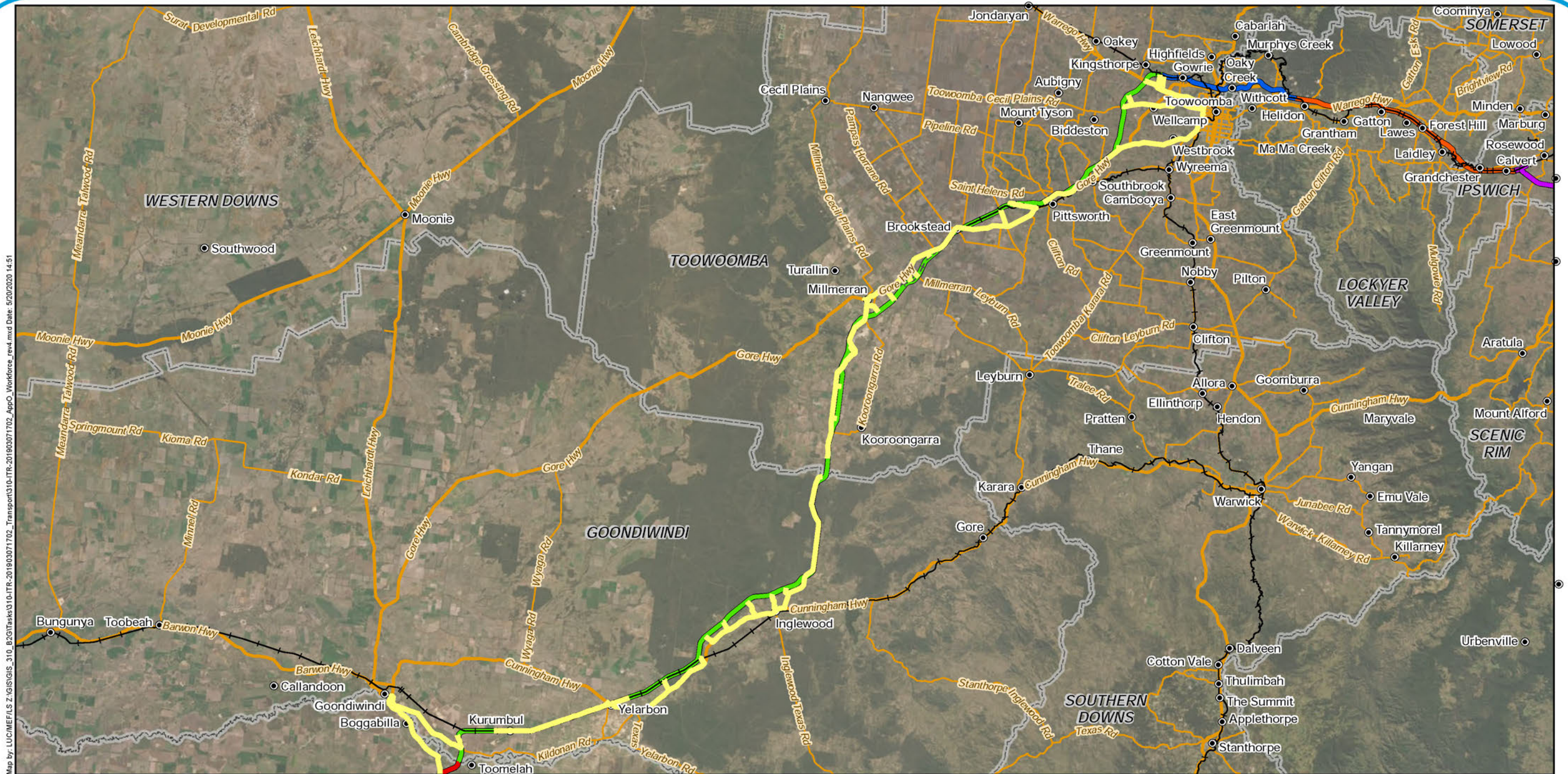
Traffic Impact Assessment

Appendix O Workforce Construction Traffic Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

Appendix O

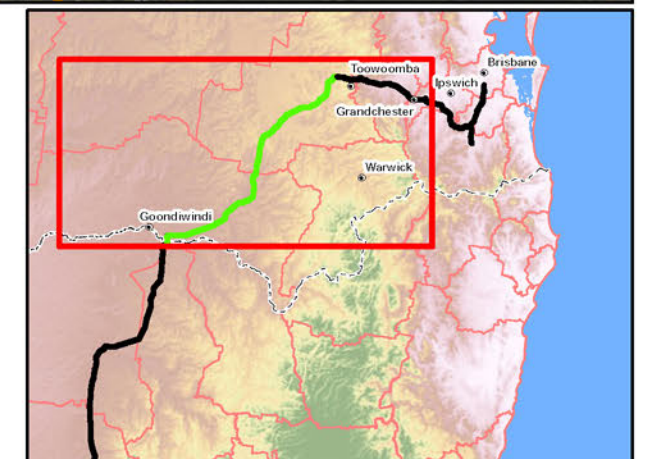
Workforce construction traffic routes



Map by: LUCIMEF\LS Z:\GIS\GIS_310_B2\GIS\Tasks\310-10-1TR-201903071702_AppO_Workforce_rev4.mxd Date: 5/20/2020 14:51

Legend

- Localities
- North Star to NSW/QLD border alignment
- Border to Gowrie alignment
- Gowrie to Helidon alignment
- Helidon to Calvert alignment
- Calvert to Kagaru alignment
- Workforce construction routes
- Major roads
- Minor roads
- Existing rail (operational)
- Existing rail (non-operational)
- Local Government Areas



A3 scale: 1:800,000
0 6 12 18 24 30km



Future Freight
Integrating Community, Environment and Engineering

Issue date: 20/05/2020 Version: 4
Coordinate System: GDA 1994 MGA Zone 56

Border to Gowrie

Appendix O: Workforce construction routes

APPENDIX

X

Traffic Impact Assessment

Appendix P Multi-Combination Heavy Vehicle Routes

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

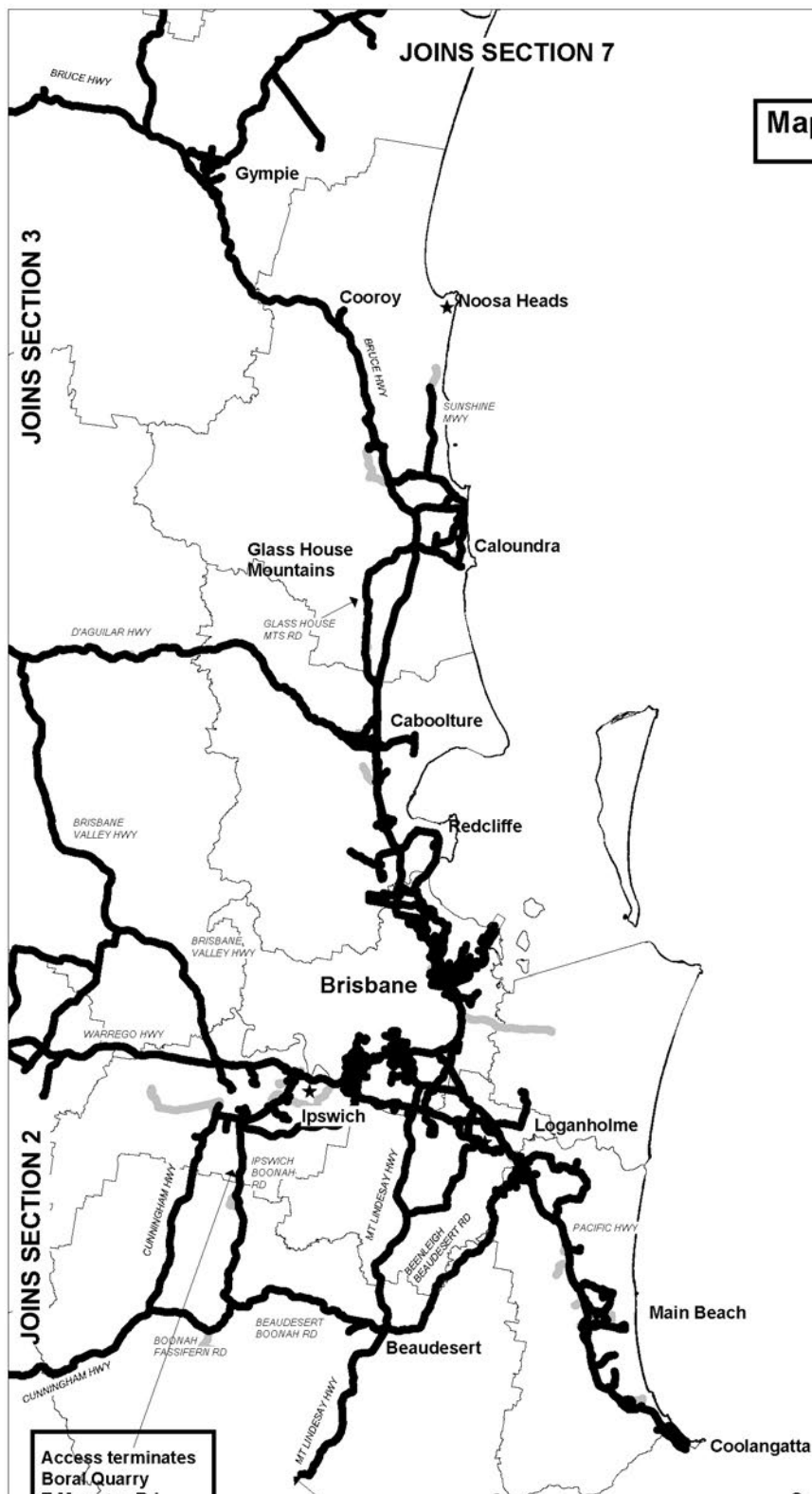
Appendix P

Multi-combination heavy vehicle routes



SECTION 1

Map updated: 18/10/2017



SEE INDIVIDUAL AREA MAPS FOR DETAIL
(refer to index)

SDRN © Pitney Bowes Software Pty Ltd, 2009

B-DOUBLES

23 metre routes
23 & 25 metre routes

ROAD TRAINS

Type 1 routes
Type 1 & 2 routes

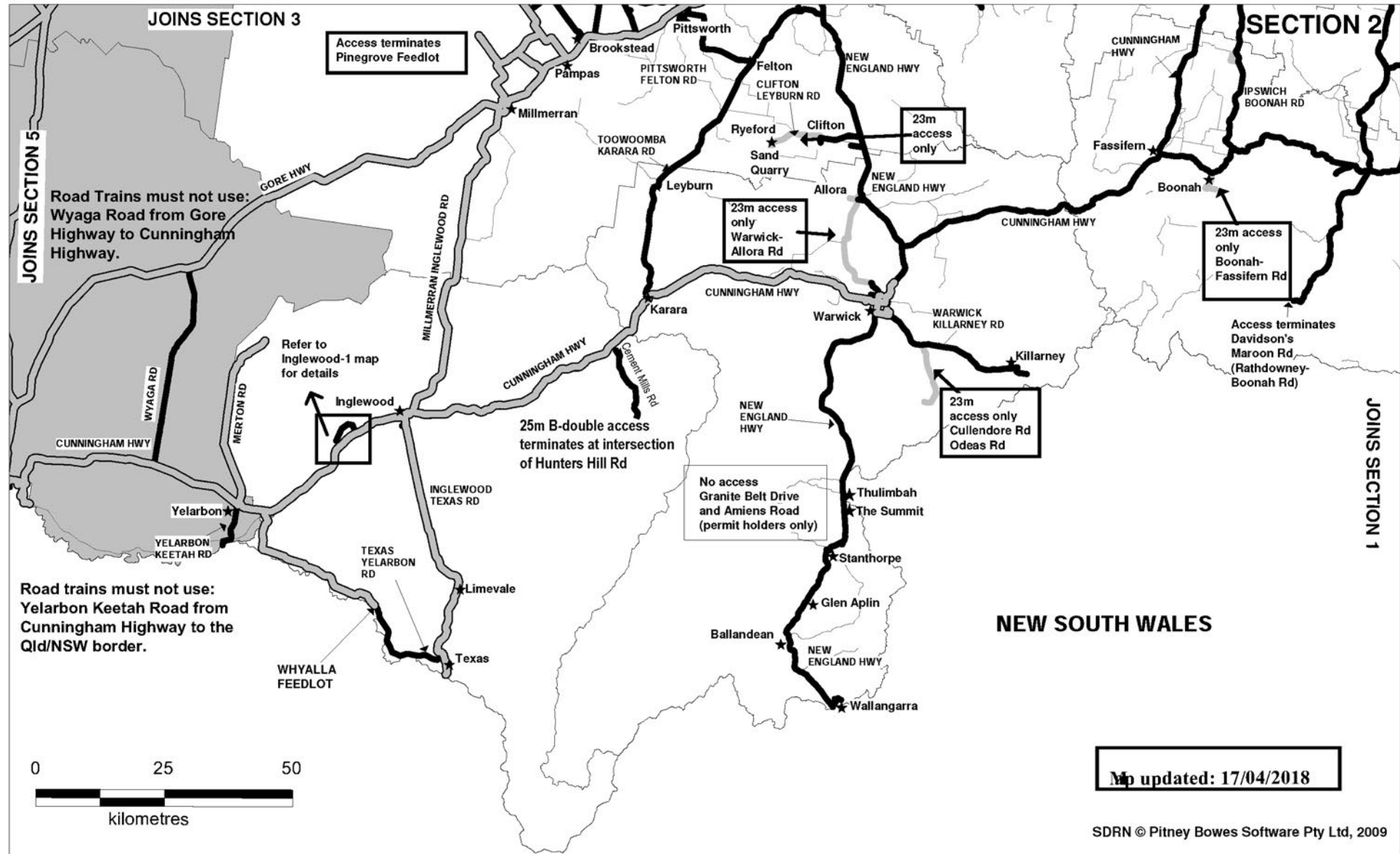
NO ROAD TRAINS
or B-DOUBLES

REFER TO LEGEND FOR DETAILS OF OPERATIONS IN THE SHADED AREA

Note: 23 & 25 metre B-doubles can access Type 1 & 2 road train routes



MULTI-COMBINATION ROUTES IN QUEENSLAND



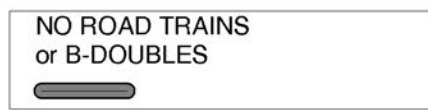
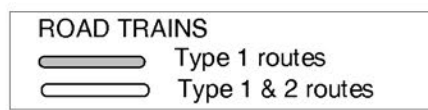
B-DOUBLES
— 23 metre routes
— 23 & 25 metre routes

ROAD TRAINS
— Type 1 routes
— Type 1 & 2 routes

**NO ROAD TRAINS
or B-DOUBLES**
—

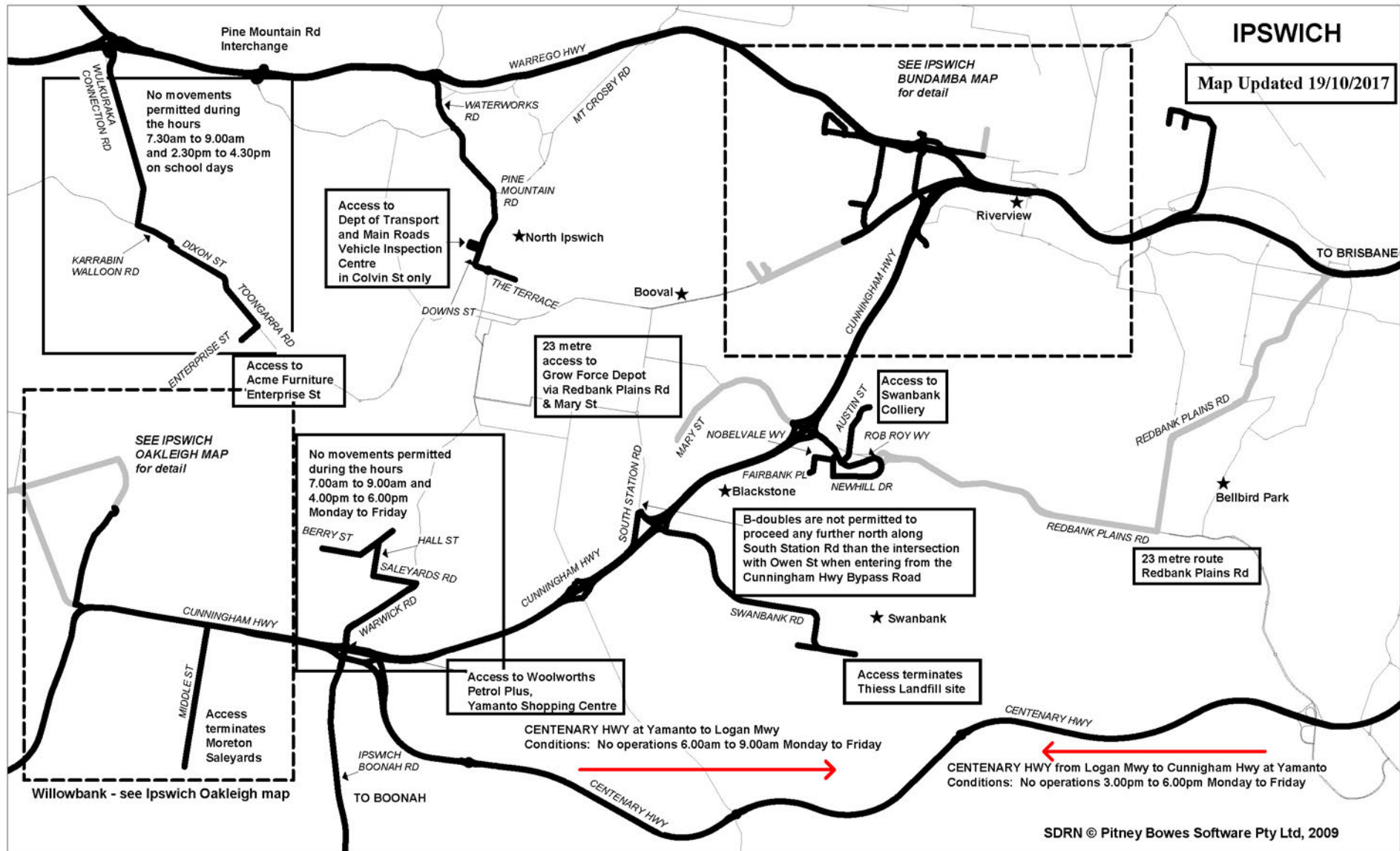
**REFER TO LEGEND FOR DETAILS OF
OPERATIONS IN THE SHADED AREAS**
**Note: 23 & 25 metre B-doubles can
access Type 1 & 2 road train routes**

Queensland
Government



REFER TO LEGEND FOR DETAILS OF OPERATIONS IN THE SHADED AREAS
Note: 23 & 25 metre B-doubles can access Type 1 & 2 road train routes

MULTI-COMBINATION ROUTES IN QUEENSLAND



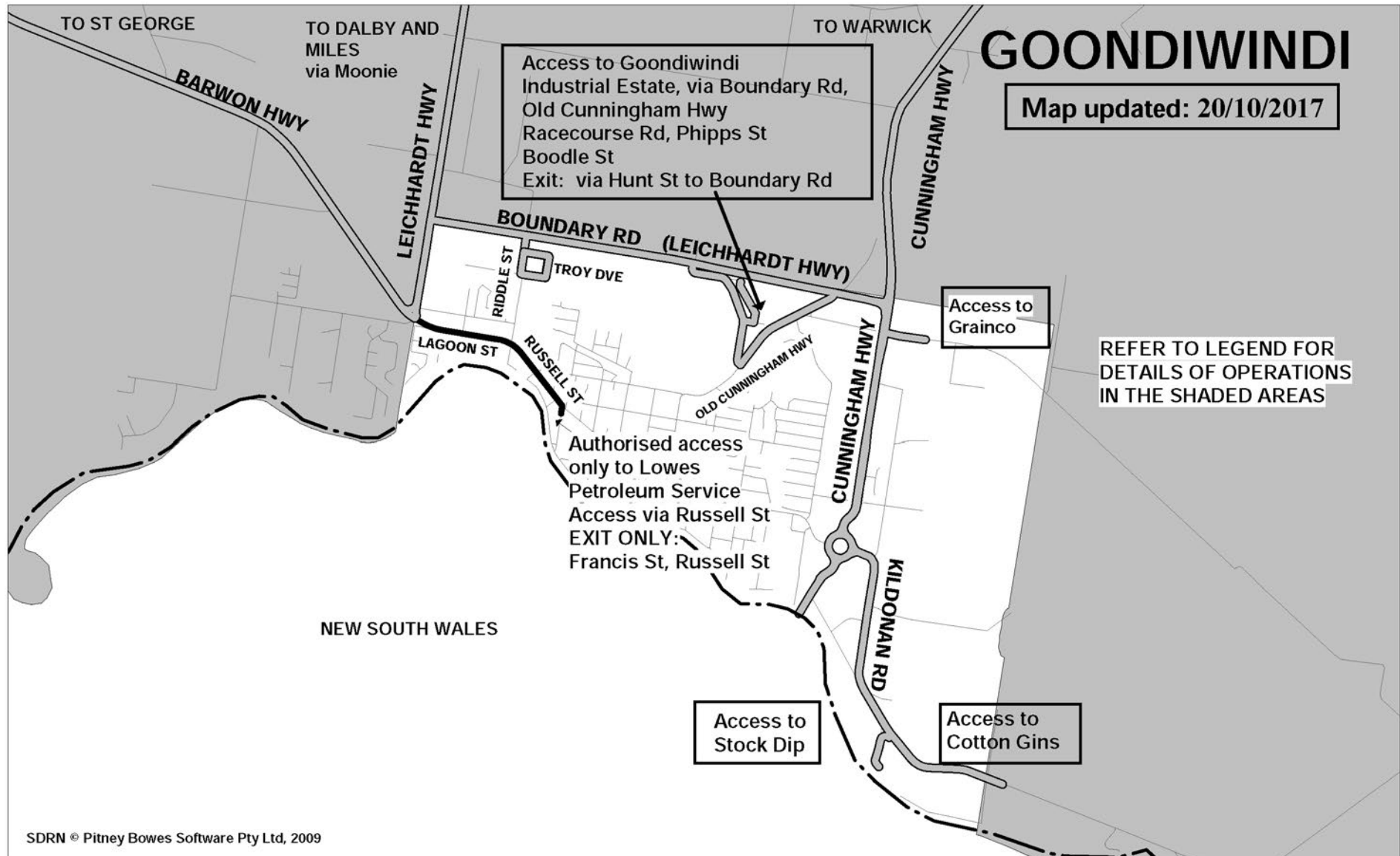
B-DOUBLES
 23 metre routes
 23 & 25 metre routes

ROAD TRAINS
 Type 1 routes
 Type 1 & 2 routes

**NO ROAD TRAINS
or B-DOUBLES**


**REFER TO LEGEND FOR DETAILS OF
OPERATIONS IN THE SHADED AREAS**
 Note: 23 & 25 metre B-doubles can
access Type 1 & 2 road train routes

MULTI-COMBINATION ROUTES IN QUEENSLAND



B-DOUBLES
 23 metre routes
 23 & 25 metre routes

ROAD TRAINS
 Type 1 routes
 Type 1 & 2 routes

NO ROAD TRAINS or B-DOUBLES


REFER TO LEGEND FOR DETAILS OF OPERATIONS IN THE SHADED AREAS
 Note: 23 & 25 metre B-doubles can access Type 1 & 2 road train routes

NSW Combined Higher Mass Limits (HML) and Restricted Access Vehicle (RAV) Map

Map last updated: 03/05/2018



Transport
Roads & Maritime
Services

