

H3 Werris Creek - Narrabri

RAS HHN Section Page

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Amendment Record

Amendments to the RAS are published at the following link

<https://www.artc.com.au/customers/standards/route/access>

All changes in this document are highlighted with this colour

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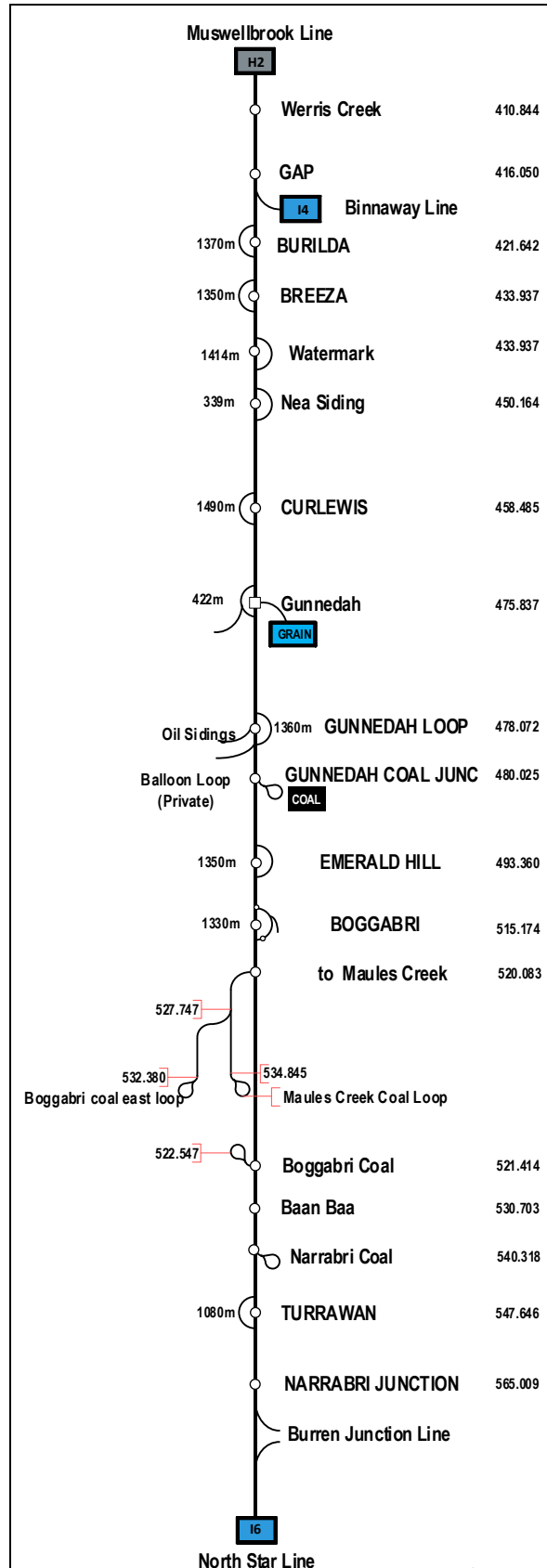
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1 Network Diagram

Note: These line maps are indicative only. For detailed diagrams, refer to relevant Network Information Book.



2 Route Capacity

NOTES TO BE READ IN CONJUNCTION WITH ROUTE CAPACITY TABLES BELOW

Route capacity applies where vehicle characteristics and conditions permit.

Express speeds are for passenger train types that are approved to run to "Express Speed Boards" by the ARTC Network Rules only (i.e. XPT, Xplorer, etc).

For all other passenger trains:

- a. Freight locomotive speed limits apply for diesel locomotive hauled passenger trains.
- b. Freight wagon speeds apply where freight wagons are marshalled as part of the train.
- c. DMU and rail motors are to adhere to carriage axle loads.

| WERRIS CREEK – NARRABRI COAL 540.318KM | | | |
|--|----------------------|----------------------------|-----------|
| TRAIN TYPE | MAXIMUM SPEED (KM/H) | MAXIMUM AXLE LOAD (TONNES) | |
| FREIGHT | | LOCOS | WAGONS |
| | 115 | 22.8 (up to 134t GVM) | 19.5 |
| | 100 | 22.8 (up to 134t GVM) | 20 |
| | 100* | 23.33 | 6.5 |
| | 80 | 23.33 | 25 |
| | 80* | 30 | 6.5 |
| | 60 | 30 | 30 |
| PASSENGER | | LOCOS | CARRIAGES |
| EXPRESS | 145# | | 19 |
| LOCO HAULED | 115 | 19 | 19 |
| (Includes non-express DMU and rail motors) | | | |

ADDITIONAL NOTES APPLICABLE WERRIS CREEK – NARRABRI COAL 540.318KM:

* Only when hauling wagons in tare condition or as light engine movements.

Only for vehicles approved to operate up to this maximum speed.

| 540.318KM NARRABRI COAL - NARRABRI | | | |
|------------------------------------|----------------------|----------------------------|-----------|
| TRAIN TYPE | MAXIMUM SPEED (KM/H) | MAXIMUM AXLE LOAD (TONNES) | |
| FREIGHT | | LOCOS | WAGONS |
| | 115 | 22.8 (up to 134t GVM) | 19.5 |
| | 100 | 22.8 (up to 134t GVM) | 20 |
| | 80 | 23.33 | 23 |
| PASSENGER | | LOCOS | CARRIAGES |
| EXPRESS | 145# | | 19 |
| LOCO HAULED | 115 | 19 | 19 |

(Includes non-express DMU and rail motors)

ADDITIONAL NOTE APPLICABLE NARRABRI COAL 540.318KM - NARRABRI:

Only for vehicles approved to operate up to this maximum speed.

3 Special Access Conditions

3.1 Locomotives with axle load >22.8t and wagons with axle load > 25t

Locomotives with axle load >22.8t and wagons with axle load > 25t are not permitted to use:

Gunnedah Yard (Main Line, Platform Road, Through Road and Loop ok to use)

Boggabri Yard (Main Line and Loop ok to use).

3.2 Managing inoperative Track Circuit Assistors (TCAs)

The following requirements apply to Endeavour, Xplorer and Hunter sets that have been fitted with Track Circuit Assistors (TCA).

Refer to RAS GI Section 2.14.2 - Track Circuit Assistors (TCAs), for track circuit assistor requirements.

If both TCAs are found to be offline, failed, or inoperative the consist must be immediately operated under manual block working conditions between the area bounded by Werris Creek and Turrawan and a CAN warning will need to be issued for the train crew to treat the below level crossings as potentially faulty until such times as the TCAs have been repaired and the TCAs certified as operational.

The affected level crossings are:

- Hogarth Street (ID532 433.416kms) – Burilda to Breeza section
- Kamilaroi Highway (ID 530 457.930kms) – Watermark to Curlewis section
- Goohli Road (ID533 493.068kms) – Gunnedah to Emerald Hill section
- Boston Street (ID534 515.789kms) – Boggabri to Boggabri Coal section
- Caloola Road (ID531 530.780kms) – Boggabri Coal to Narrabri Coal section
- Narrabri Road (ID535 540.297kms) – Boggabri Coal to Narrabri Coal section

4 Permanent Speed Restrictions

| WERRIS CREEK – NARRABRI | | | | | |
|--------------------------------------|-------------------|--------------------------------------|----------------------|----------------------------------|----------------------|
| LOCATION | KILOMETRAGE | DOWN DIRECTION (AWAY FROM SYDNEY) | | UP DIRECTION (TOWARDS SYDNEY) | |
| | | NORMAL | EXPRESS PASSENGER | NORMAL | EXPRESS PASSENGER |
| WERRIS CREEK | 410.844 | | | | |
| | 411.035 | 70 | 75 | 35 | 35 |
| WERRIS CREEK GRAIN SIDING | 411.050 | | | | |
| | 411.606 | 115 | 130 | 70 | 75 |
| | 415.230 | 50 | 85 | 115 | 130 |
| GAP | 415.829 | | | | |
| | 416.580 | 115 | 140 | 50 | 85 |
| | 417.564 | 125(LX) | | | |
| | 420.800 | X60 (51 PTS) | | | |
| | UP LOOP 420.985 | 60 | 60 | X60 (51 PTS) | X60 (51 PTS) |
| BURILDA | 421.412 | | | | |
| | UP LOOP 422.340 | X60 (52 PTS) | X60 (52 PTS) | 60 | 60 |
| | 422.420 | | | X60 (52 PTS) | X60 (52 PTS) |
| | 431.805 | 95 | 100 | 115 | 140 |
| | 432.314 | 115 | 125 | 95 | 100 |
| | 433.760 | X50 (51 PTS) | | | |
| BREEZA | 433.937 | | | | |
| | 435.381 | | | X50 (52 PTS) | |
| | 436.293 | 100 | 105 | 115 | 125 |
| | 436.745 | 115 | 120 | 100 | 105 |
| | 439.156 | 115 | 130 | 115 | 120 |
| | 440.992 | 115 | 140 | 115 | 130 |
| | 444.860 | | 120 (LX) | | |
| | 444.935 | | | | 120 (LX) |
| | 446.090 | X55 (51 PTS) | X60 (51 PTS) | | |
| | DOWN LOOP 446.185 | 55 | 60 | X55 (51 PTS) | X60 (51 PTS) |
| | WATERMARK | 447.050 | | | |
| DOWN LOOP 447.990 | | X55 (52 PTS) | X60 (52 PTS) | 55 | 60 |
| 448.095 | | | | X55 (52 PTS) | X60 (52 PTS) |
| 448.490 | | | 120 (LX) | | |
| 448.555 | | | | | 120 (LX) |
| 450.140 | | 80(CLX) | | | |
| NEA | 450.164 | | | | |
| | 450.520 | | 120 (LX) | | |
| | 450.590 | | | | 120 (LX) |

| WERRIS CREEK – NARRABRI | | | | | |
|----------------------------------|-------------|--------------------------------------|----------------------|----------------------------------|----------------------|
| LOCATION | KILOMETRAGE | DOWN DIRECTION (AWAY FROM SYDNEY) | | UP DIRECTION (TOWARDS SYDNEY) | |
| | | NORMAL | EXPRESS PASSENGER | NORMAL | EXPRESS PASSENGER |
| | 456.329 | 115 | 130 | 115 | 140 |
| | 457.970 | X50 (51 PTS) | | | |
| | 457.990 | 95 | 100 | 115 | 130 |
| UP LOOP | 458.110 | X50 (51 PTS) | | | |
| | 458.247 | 115 | 130 | 95 | 100 |
| LOOP LINE | 458.280 | X25 (1 PTS) | | | |
| CURLEWIS | 458.485 | | | | |
| GOODS SIDING | 458.680 | X25 (2GA PTS) | | | |
| LOOP LINE | 458.790 | X25 (2GB PTS) | | | |
| UP LOOP | 459.615 | X50 (52 PTS) | | | |
| | 459.768 | 115 | 135 | 115 | 130 |
| | 459.804 | X50 (52 PTS) | | | |
| | 468.620 | 120 (LX) | | | |
| | 468.680 | 120 (LX) | | | |
| | 469.472 | 115 | 130 | 115 | 135 |
| | 470.485 | 120 (LX) | | | |
| | 470.545 | 120 (LX) | | | |
| | 473.536 | 85 | 85 | | |
| | 474.200 | 115 | | | |
| | 474.393 | 40 | | | |
| | 475.420 | X35 (48 PTS) | | 75 | |
| PLATFORM LOOP | 475.615 | X35 (48 PTS) | | | |
| GUNNEDAH | 475.837 | | | | |
| PLATFORM LOOP | 475.895 | X40 (50 PTS) | | | |
| | 475.993 | X40 (50 PTS) | | | |
| | 476.340 | 70 | 75 | 60 | |
| | 476.519 | 85 | 90 | | |
| | 476.604 | X50 (53 PTS) | | | |
| DOWN LOOP | 476.870 | 50 | X50 (53 PTS) | | |
| | 476.876 | 70 | | | |
| | 476.876 | 70 | | | |
| GUNNEDAH LOOP | 477.308 | | | | |
| | 477.325 | 115 | 145 | 85 | 90 |
| GUNNEDAH WHEAT SIDING | 477.362 | | | | |
| DOWN LOOP | 478.070 | X50 (54 PTS) | | 50 | |
| | 478.190 | X50 (54 PTS) | | | |
| | 479.995 | X50 (55 PTS) | | | |

| WERRIS CREEK – NARRABRI | | | | | |
|---------------------------------------|-------------|--------------------------------------|----------------------|----------------------------------|----------------------|
| LOCATION | KILOMETRAGE | DOWN DIRECTION (AWAY FROM SYDNEY) | | UP DIRECTION (TOWARDS SYDNEY) | |
| | | NORMAL | EXPRESS PASSENGER | NORMAL | EXPRESS PASSENGER |
| VICKERY COAL JUNCTION | 480.025 | | | | |
| | 486.400 | | 120 (LX) | | |
| | 486.465 | | | | 120 (LX) |
| | 492.957 | 115 | 125 | 115 | 145 |
| | 493.036 | X50 (51 PTS) | | | |
| EMERALD HILL | 493.360 | | | | |
| | 494.708 | 115 | 145 | 100 | 100 |
| | 494.769 | | | X50 (52 PTS) | |
| | 509.005 | | 120 (LX) | | |
| | 509.065 | | | | 120 (LX) |
| | 513.814 | X40 (51 PTS) | | 115 | 145 |
| BOGGABRI | 515.174 | | | | |
| | 515.485 | 115 | 135 | | |
| | 515.495 | | | X50 (52 PTS) | |
| | 515.706 | 115 | 145 | 115 | 135 |
| | 516.750 | | 120 (LX) | | |
| | 516.810 | | | | 120 (LX) |
| | 520.080 | X60 (51 PTS) | | | |
| | 520.080 | 115 | 120 | 115 | |
| MAULES CREEK COAL JUNCTION | 520.083 | | | | |
| BOGGABRI COAL JUNCTION | 521.414 | | | | |
| | 522.333 | 80 | 90 | 115 | 120 |
| | 524.889 | 110 | 120 | 80 | 90 |
| | 526.457 | 115 | 140 | 110 | 120 |
| BANN BAA | 530.703 | | | | |
| | 532.440 | | 120 (LX) | | |
| | 532.505 | | | | 120 (LX) |
| | 540.271 | X50 (51 PTS) | | | |
| NARRABRI COAL JUNCTION | 540.318 | | | | |
| | 544.032 | | 120 (LX) | | |
| | 544.102 | | | | 120 (LX) |
| | 546.730 | | 120 (LX) | | |
| | 546.840 | | | | 120 (LX) |
| | 547.217 | X25 (51 PTS) | X25 (51 PTS) | | |

| WERRIS CREEK – NARRABRI | | | | | |
|--|--------------------|--|------------------------------|--|------------------------------|
| LOCATION | KILOMETRAGE | DOWN DIRECTION (AWAY FROM SYDNEY) | | UP DIRECTION (TOWARDS SYDNEY) | |
| | | NORMAL | EXPRESS PASSENGER | NORMAL | EXPRESS PASSENGER |
| TURRAWAN | 547.646 | | | | |
| | 548.487 | | | X25 (52 PTS) | X25 (52 PTS) |
| | 557.281 | | 120 (LX) | | |
| | 557.339 | | | | 120 (LX) |
| | 562.664 | 115 | 135 | 115 | 140 |
| | 564.195 | 100 | 100 | | |
| | 564.651 | 40 | 40 | 115 | 135 |
| | 564.710 | X25 (2D PTS) | X25 (2D PTS) | | |
| NARRABRI JUNCTION | 565.009 | | | | |
| NARRABRI WHEAT SIDING | 565.326 | | | | |
| | 565.511 | 80 | 80 | 40 | 40 |
| | 568.268 | 60 | 70 | 80 | 80 |
| | 568.990 | 70 | 75 | 60 | 70 |
| NARRABRI | 569.240 | | | | |
| <i>Note: Speeds presented in grey are duplicated in the adjoining section page (16 Narrabri to North Star)</i> | 569.800 | 30 | 30 | 70 | 75 |
| | 570.000 | 85 | 90 | 30 | 30 |
| | 572.046 | 95 | 105 | 85 | 90 |
| | 572.480 | 100 | 105 | 95 | 105 |

| BOGGABRI – MAULES CREEK COAL LOOP | | | | | |
|--|--------------------|-----------------------|---------------------|-----------------|--|
| LOCATION | KILOMETRAGE | DOWN DIRECTION | UP DIRECTION | COMMENTS | |
| MAULES CREEK JUCTION | 520.083 | | | | |
| MAULES CREEK BRANCH | 520.240 | 70 | X60 (51 PTS) | | |
| MAULES CREEK BRANCH | 526.417 | | 70 | | |
| MAULES CREEK BRANCH | 527.740 | X60 (55 PTS) | 70 | | |
| EAST BOGGABRI COAL JUNCTION | 527.747 | | | | |
| MAULES CREEK BRANCH | 533.535 | | 70 | | |
| MAULES CREEK BRANCH | 534.845 | X25 (57 PTS) | 70 | | |
| MAULES CREEK COAL LOOP | 534.865 | | | | |
| MAULES CREEK LOOP | 539.734 | X25 (57 PTS) | | | TURNOUT FROM LOOP ONTO BRANCH LINE |

| BOGGABRI – BOGGABRI COAL EAST LOOP | | | | |
|---|--------------------|-----------------------|---------------------|------------------------------------|
| LOCATION | KILOMETRAGE | DOWN DIRECTION | UP DIRECTION | COMMENTS |
| MAULES CREEK JUCTION | 520.083 | | | |
| MAULES CREEK BRANCH | 520.240 | 70 | X60 (51 PTS) | |
| MAULES CREEK BRANCH | 526.417 | | 70 | |
| MAULES CREEK BRANCH | 527.740 | X60 (55 PTS) | 70 | |
| BOGGABRI COAL EAST JUNCTION | 527.747 | | | |
| BOGGABRI COAL EAST BRANCH | 527.860 | 70 | X60 (55 PTS) | |
| BOGGABRI COAL EAST BRANCH | 532.380 | X25 (59 PTS) | 70 | |
| BOGGABRI COAL EAST LOOP | 532.400 | | | |
| BOGGABRI COAL EAST LOOP | 539.061 | X25 (59 PTS) | | TURNOUT FROM LOOP ONTO BRANCH LINE |