

H3 Werris Creek - Narrabri

RAS HHN Section Page

Applicability

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SMS

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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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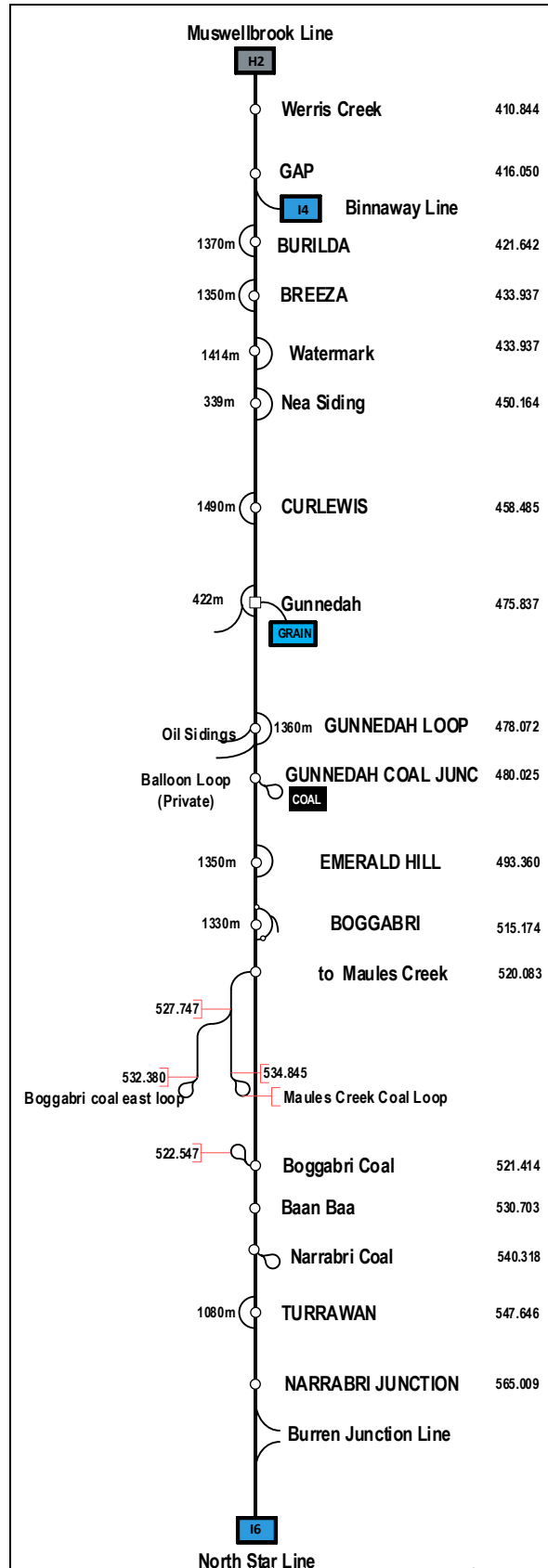
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Table of Contents

Table of Contents	2
1 Network Diagram	3
2 Route Capacity	4
3 Special Access Conditions	6
3.1 Locomotives with axle load >22.8t and wagons with axle load > 25t	6
3.2 Managing inoperative Track Circuit Assistors (TCAs)	6
4 Permanent Speed Restrictions	7

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 in the Down direction. This is applicable for up to 140t locomotives to be operated with compatible hoppers in tare condition.

** Only in the Down direction. This is applicable for up to 180t locomotives to be operated with compatible hoppers in tare condition.

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
- Gooqli 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)		140 (LX)	
	444.935		140 (LX)		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)		140 (LX)
		448.555		140 (LX)		120 (LX)
		450.140	80(CLX)			
NEA	450.164					
	450.520		120 (LX)		140 (LX)	
	450.590		140 (LX)		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)		135 (LX)
	468.680		135 (LX)		120 (LX)
	469.472	115	130	115	135
	470.485		120 (LX)		130 (LX)
	470.545		130 (LX)		120 (LX)
	473.536	85	85		
	474.200			115	130
	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	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)		145 (LX)
	486.465		145 (LX)		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)		145 (LX)
	509.065		145 (LX)		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)		145 (LX)
	516.810		145 (LX)		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)		140 (LX)
	532.505		140 (LX)		120 (LX)
	540.271	X50 (51 PTS)			
NARRABRI COAL JUNCTION	540.318				
	544.032		120 (LX)		140 (LX)
	544.102		140 (LX)		120 (LX)
	546.730		120 (LX)		140 (LX)
	546.840		140 (LX)		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)		140 (LX)
	557.339		140 (LX)		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
	575.908	85	90	100	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