

H4 Muswellbrook – Ulan Balloon Loop

RAS HHN Section Page

Applicability

ARTC Network Wide

SMS

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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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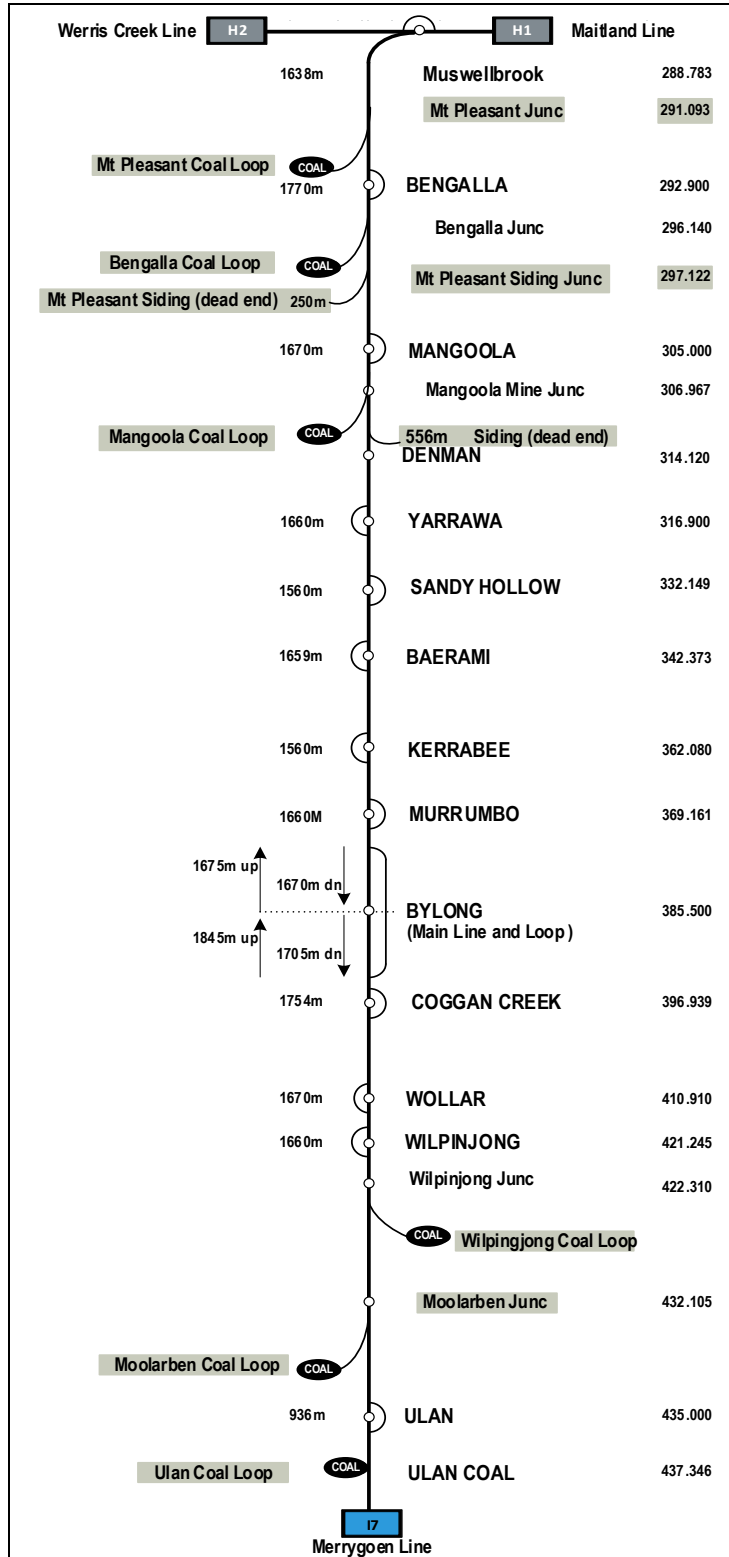
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Table of Contents

Table of Contents	2
1 Network Diagram	3
2 Route Capacity	4
3 Special Access Conditions	5
3.1 Bylong Tunnel (Ulan No. 3 Tunnel) Operation.....	5
4 Permanent Speed Restrictions	5

1 Network Diagram

Note: These line maps are indicative only. For detailed diagrams, refer to relevant Network Information Book. Coal loops are private unless otherwise indicated.



2 Route Capacity

MUSWELLBROOK – ULAN BALLOON LOOP			
TRAIN TYPE	MAXIMUM SPEED (KM/H)	MAXIMUM AXLE LOAD (TONNES)	
FREIGHT		LOCOS	WAGONS
	115	22.8	19.5
	100	22.8	21
	100#	30	6.5
	80	30	25
	60	30	30
PASSENGER		LOCOS	CARRIAGES
EXPRESS ¹	N/A	N/A	19
LOCO HAULED ²	115	19	19
(Includes non-express DMU and rail motors)			

General Notes:

- Route capacity applies where vehicle characteristics and conditions permit.

Referenced Notes:

Only for rolling stock approved to operate at 100km/h loaded above 21TAL.

1. Express speeds for train types that are approved to run to “Express Speed Boards” by the ARTC Network Rules only.
2. 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 speeds.

3 Special Access Conditions

3.1 Bylong Tunnel (Ulan No. 3 Tunnel) Operation

Operators are required to follow the advice given in Network Information Book OGW-30-19.

4 Permanent Speed Restrictions

MUSWELLBROOK – GULGONG			
LOCATION	KILOMETRAGE	LINE SPEED	
		DOWN	UP
MUSWELLBROOK	288.783		
DOWN MAIN	288.800		80 / X80 (88 PTS)
	289.225		50
	290.800		90
	291.000	75	
	291.093	X60 (90 PTS)	
MOUNT PLEASANT BRANCH LINE	291.203	60	X60 (90 PTS)
	291.850	X80 (91 PTS)	
	291.900		75
DOWN LOOP	292.060	80	X80 (91 PTS)
	292.300	80	
BENGALLA	292.900		
DOWN LOOP	293.740	X80 (92 PTS)	80
MOUNT PLEASANT BRANCH LINE	293.805	25	60
	293.950		X80 (92 PTS)
	294.087	X50 (93 PTS)	
BENGALLA COAL JUNCTION	294.135		
BENGALLA COAL BRANCH	294.250		X50 (93 PTS)
BENGALLA COAL LOOP	294.350	X30	
BENGALLA COAL LOOP	294.480	30	
BENGALLA COAL LOOP	295.600	30	
	296.703		90
	297.121	X25 (95 PTS)	
MT PLEASANT COAL JSIDING	297.122		
	297.450	70	
	298.730		70
	299.381	80	
	303.000		80
	303.300	105	
	304.153		105
	304.325	X60 (51 PTS)	

Permanent Speed Restrictions

DOWN LOOP	304.525	60	X60 (51 PTS)
MANGOOLA	305.400		
DOWN LOOP	306.228	X60 (52 PTS)	60
	306.430		X60 (52 PTS)
	306.952	X25 (53 PTS)	
MANGOOLA COAL JUNCTION	306.966		
MANGOOLA COAL BRANCH	307.250	75	X25 (53 PTS)
	309.700		115
	310.160	80	
	313.650	85	
	314.073		80
DENMAN	314.120		
	314.423	70	
	315.767	X70 (51 PTS)	
UP LOOP	315.960	70	X70 (51 PTS)
	316.501		85
YARRAWA	317.000		
	317.100	60	
UP LOOP	317.881	X60 (52 PTS)	60
	318.037		X60 (52 PTS)
	318.420		60
	319.533	60	
	323.140		60
	324.240	70	
	326.200		70
	326.587	60	
	327.148		60
	327.744	115	
	329.350	80 / X50 (51 PTS)	115
DOWN LOOP	329.560		X50 (51 PTS)
	330.120	115	80
	330.250	115	80
DOWN LOOP	331.160	X40 (52 PTS)	
	331.225		X50 (52 PTS)
	331.260		X25
	331.700		115
	332.006	70	
SANDY HOLLOW	332.149		
	332.619		70
	333.001	85	
	335.603		85
	336.189	100	
	338.000		100
	338.488	65	
	339.400		65
	339.750	75	
	342.362	X75 (51 PTS)	

Permanent Speed Restrictions

		342.400		75
	UP LOOP	342.410	75	X75 (51 PTS)
		342.680	80	
BAERAMI		343.300		
	UP LOOP	344.111	X80 (52 PTS)	80
		344.260		X80 (52 PTS)
		348.080	70	80
		351.603		70
		351.948	80	
		353.800		80
		354.047	70	
		354.600		70
		355.200	85	
		358.700		85
		359.081	75	
		360.300		75
		360.738	65	
KERRABEE		362.080		
		362.200		65
		363.680	75	
		367.233		75
		367.260	65	
		368.744		65
		369.121	80	
		369.151	X80 (51 PTS)	
	DOWN LOOP	369.312	80	X80 (51 PTS)
MURRUMBO		370.000		
	DOWN LOOP	370.940	X80 (52 PTS)	80
		371.100		X80 (52 PTS)
		373.000		80
		373.417	70	
		377.100		70
		377.782	60	
		379.500		60
		379.811	65	
		381.248		65
		381.600	75	
		382.269	X55 (51 PTS)	
	DOWN LOOP	382.410	55	X55 (51 PTS)
	DOWN LOOP	384.110	70	55
		385.000		75
		385.441	70	
BYLONG		385.450		
	DOWN LOOP	385.995	X25 (52 PTS)	
	DOWN LOOP	386.000		70
	MACHINE SIDING	386.085	25	X25 (52 PTS)
	DOWN LOOP	386.510	X70 (53 PTS)	70

Permanent Speed Restrictions

	386.700		X70 (53 PTS)
	387.000		70
	387.850	115	
	390.282		115
	390.585	70	
	392.810		70
	393.039	60	
	393.967		60
	394.400	95	
COGGAN CREEK	397.350		
	398.500		95
	399.000	65	
	400.569		65
	401.000	75	
	407.300		75
	408.052	65	
	408.833		65
	409.500	80	
	409.744	X70 (51 PTS)	
UP LOOP	409.957	70	X70 (51 PTS)
WOLLAR	410.800		
UP LOOP	411.721	X70 (52 PTS)	70
	411.824		X70 (52 PTS)
	414.350		80
	415.133	85	
	418.600		85
	418.900	100	
	420.260	X70 (51 PTS)	100
UP LOOP	420.500	80	X70 (51 PTS)
WILPINJONG	421.245		
	421.720	80	100
UP LOOP	422.100	X80 (52 PTS)	80
	422.250		X80 (52 PTS)
	422.257		80
WILPINJONG COAL JUNCTION	422.310		
	422.502	95	
	423.336		95
	423.700	100	
	427.500		100
	427.823	80	
	432.100	X80 (55 PTS)	
MOOLARBEN COAL JUNCTION	432.105		
MOOLARBEN COAL BRANCH	432.189	80	X80 (55 PTS)
ULAN	435.000		
ULAN COAL DEPARTURE ROAD	435.282		

ULAN COAL ARRIVAL ROAD	435.495	
	435.500	80
	435.800	115
	439.000	115
	439.329	105
	439.500	90
	439.882	100
	444.500	105
	444.773	90
	445.391	90
	445.800	115
	454.600	115
	455.000	95
	455.745	95
	456.011	80
	456.413	80
	456.800	115
	459.400	115
	459.801	35
GULGONG	460.114	