

Route Access Standard

HHN Section Pages H1 - Islington to Muswellbrook

Applicability

ARTC Network Wide

SMS

Publication Requirement

External Only

Primary Source

Document Status

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2.0	Jan 2019	Manager Procedures Development	Stakeholders	Manager Standards	GM Technical Standards

Amendment Record

Amendments to the RAS are published at the following link

https://www.artc.com.au/uploads/RAS_Amendments_Register.xlsx

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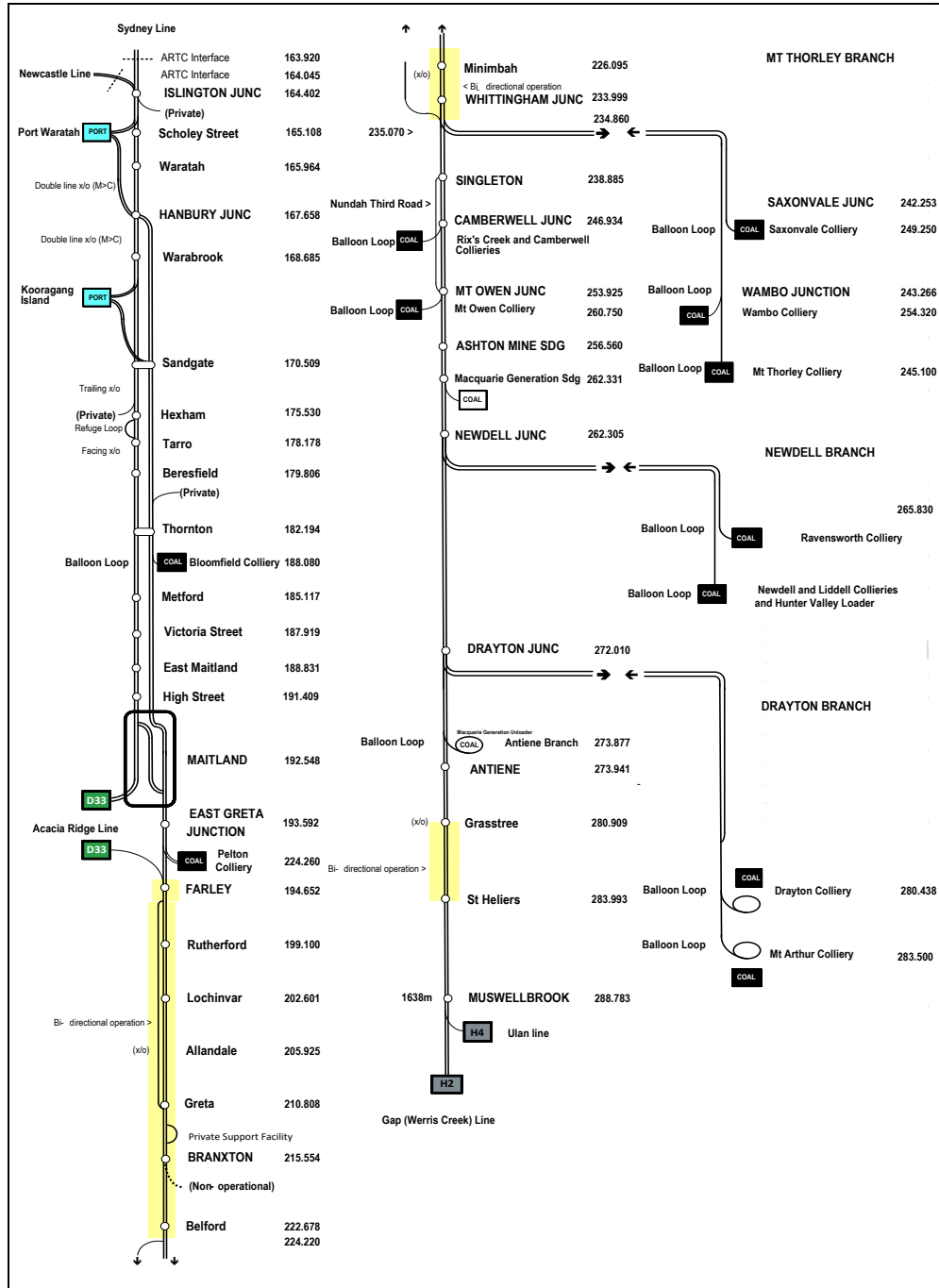
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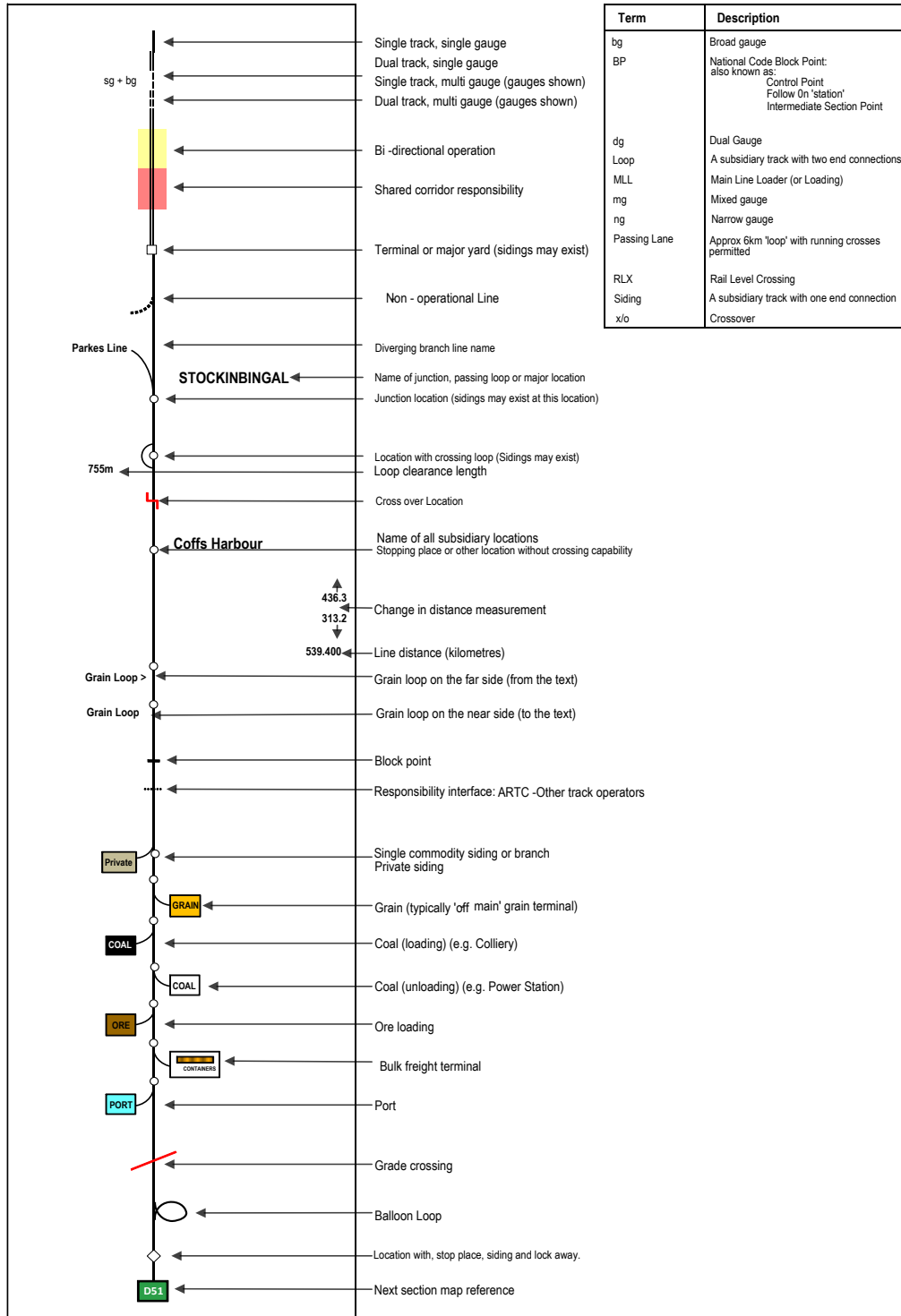
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1 Islington to Muswellbrook

NB: These line maps are indicative only and should be reviewed in conjunction with the legend on page 3. For more detailed map information refer to the ARTC website.



2 Legend



3 Route Capacity

WARATAH – MAITLAND (DOWN MAIN)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	19.5
	100	22.8	21
	80	29.3	23
	65	30.0	25
PASSENGER			
XPT	160	NO AXLE LOAD, XPT CAR IS A DEFINED VEHICLE	
XPLORER/RAILCAR	145	NO AXLE LOAD, DEFINED VEHICLES	
DIESEL HAUL	115	22.3	

Note: Route capacity applies where vehicle characteristics and conditions permit.

MAITLAND – WARATAH (UP MAIN)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	19.5
	100	22.8	21
	80	30.0	25
	60 ¹	30.0	30 ¹
PASSENGER			
XPT	160	N/A	
XPLORER/RAILCAR	145	N/A	
DIESEL HAUL	115	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

¹ refer to Special Access Condition – Wagons loaded above 25t and up to 30t axle load (between G Start and E End Signs)

MAITLAND – WARATAH (UP & DOWN COAL ROADS)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	19.5
	100	22.8	21
	80	30.0	25
	60 ¹	30.0	30 ¹
PASSENGER			
XPT	160	N/A	
XPLORER/RAILCAR	145	N/A	
DIESEL HAUL	115	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

¹ Refer to Special Access Condition – Wagons loaded above 30 tonne axle load (between G Start and G End Signs).

WARATAH – ISLINGTON JUNCTION (ARTC INTERFACE BOUNDARY)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	19.5
	100	22.8	21
	80	30.0	23
	60	30.0	30
PASSENGER			
XPT	160	N/A	
XPLORER/RAILCAR	145	N/A	
DIESEL HAUL	115	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

MAITLAND – MUSWELLBROOK			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	115	22.3	19.5
	100	22.8	21
	80	30.0	25
	60	30.0	30
PASSENGER			
XPT	160 ¹	N/A	
XPLORER/RAILCAR	145 ¹	N/A	
DIESEL HAUL	115	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

¹ Minimbah bank up relief road 234.773 -224.017 up direction only maximum speed for XPT/Railcar and Xplorer 130kph only.

4 Special Access Conditions

4.1 Wagons loaded up to 30 Tonne Axle Load (Between G Start and G End Signs)

A maximum speed of 80 km/h applies to trains with wagons loaded up to 30 tonne axle load between:

- 258.434 km – 245.709 km (Nundah bank) Up Main and Up direction only
- 249.490 km – 245.709 km (Nundah bank) Up relief and Up direction only
- 237.633 km – 224.017 km (Minimbah bank) Up main and Up direction
- 237.633 km – 225.730 km (Minimbah bank) Down main and Up direction only
- 237.633 km – 224.017 km (Minimbah bank) Up relief and Up direction only
- 234.250 km – 238.224 km (Mount Thorley Branch Line) Up & Down Branch Lines Up direction only.

5 Location of Speed Signs

HAMILTON – ISLINGTON JUNCTION						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
HAMILTON		164.633				
	DOWN MAIN	164.045	40	40		
ARTC/SYDNEY TRAINS BOUNDARY		164.045				
	UP MAIN	164.412			X25 (107 PTS)	X25 (107 PTS)
ISLINGTON JUNCTION BOX		164.647				

WOODVILLE JUNCTION – ISLINGTON JUNCTION						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	DOWN ISLINGTON LOOP	162.920	40	45		
WOODVILLE JUNCTION		163.685				
	UP ISLINGTON LOOP	164.310			40	40
	DOWN ISLINGTON LOOP	164.313	X25 (106 PTS)	X25 (106 PTS)		
	UP MAIN	164.412			X25 (107 PTS)	X25 (107 PTS)
ISLINGTON JUNCTION BOX		164.647				

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
ISLINGTON JUNCTION BOX		164.647				
	DOWN MAIN	164.740	115	120		
WARATAH		165.964				
	DOWN MAIN	166.075	X25 (123 PTS)			
	UP MAIN	166.850			115	150
HANBURY DIVE		167.500				
HANBURY JUNCTION		167.658				
	DOWN MAIN	168.115	80	90		
	UP MAIN	168.115			90	110
WARABROOK		168.685				
	DOWN MAIN	168.970	X25 (136 PTS)			
	DOWN MAIN	169.220	115	140		
	UP MAIN	169.220			110	120
SANDGATE		170.509				
	UP MAIN	170.737			115	140
	DOWN MAIN	170.759	100	100		
	DOWN MAIN	171.693	115	160		
	UP MAIN	171.693			100	100
	UP MAIN	171.803			X25 (190 PTS)	
	UP MAIN	171.929			X70 (188 PTS)	
	UP MAIN	172.063			115	115
	UP MAIN	175.000			115	160
	UP MAIN	175.245			80 (ASB)	
HEXHAM		175.530				
	UP MAIN	175.829			85	90
	UP REFUGE LOOP	176.262			X45 (106 PTS)	
	DOWN MAIN	176.776	115	150		
TARRO		178.023				
	UP MAIN	178.023			X45 (107 PTS)	
	UP MAIN	179.320			115	150
BERESFIELD		179.806				
	UP MAIN	180.070			95	105
	DOWN MAIN	181.750	115	130		
	UP MAIN	182.059			90 (ASB)	
THORNTON		182.194				
	DOWN MAIN	183.001	115	150		

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	DOWN MAIN	184.910	115	115		
METFORD		185.117				
	UP MAIN	185.800			115	160
	UP MAIN	186.540			115	140
	UP MAIN	186.800			115	115
	DOWN MAIN	187.564	95	105		
	UP MAIN	187.700			95	100
VICTORIA STREET		187.919				
	UP MAIN	188.171			85	85
EAST MAITLAND		188.831				
	DOWN MAIN	189.350	100	110		
HIGH STREET		191.325				
	DOWN MAIN	191.387	90	105		
	UP MAIN	192.185			90	95
	DOWN MAIN	192.222	X25 (404 PTS)	X25 (404 PTS)		
	DOWN MAIN	192.279	X25 (405 PTS)	X25 (405 PTS)		
	UP MAIN	192.300			X25 (404 PTS)	X25 (404 PTS)
	DOWN LOCAL	192.350	25	25		
MAITLAND		192.548				
	UP LOCAL	192.672			25	25
	DOWN LOCAL	192.700	X25 (410 PTS)	X25 (410 PTS)		
	UP MAIN	192.870			X25 (414 PTS)	X25 (414 PTS)
	DOWN MAIN	193.055	X25 (417 PTS)			
	DOWN MAIN	193.338	115	130		
FARLEY		194.000				
	UP MAIN	194.188	X80 (421 PTS)	X80 (421 PTS)		X25 (420 PTS)
	DOWN MAIN	194.333	X80 (422 PTS)	X80 (422 PTS)	X80 (421 PTS)	X80 (421 PTS)
	DOWN MAIN	194.354	115	130		
	UP MAIN	194.524	115	130	X80 (422 PTS)	X80 (422 PTS)
	DOWN MAIN	195.728	115	130		
	UP MAIN	196.080	X85 (440 PTS)	X85 (440 PTS)		
	UP MAIN	196.098			115	130
	UP MAIN	196.242			X85 (440 PTS)	X85 (440 PTS)
	UP MAIN	196.409	115	130	85	85
	UP RELIEF	196.420			85	90
RUTHERFORD		199.100				
	UP RELIEF	199.100				
	UP RELIEF	200.466			100	110
	UP MAIN	201.950			115	130

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	DOWN MAIN	202.170	100	115	115	130
	UP MAIN	202.170	100	115		
	UP MAIN	202.420	115	130	100	115
	UP RELIEF	202.501			100	115
LOCHINVAR		202.601				
	UP RELIEF	203.985			105	115
	DOWN MAIN	204.290	115	125		
	DOWN MAIN	204.327	X80 (102 PTS)	X80 (102 PTS)	100	115
	UP RELIEF	204.391			105	130
	UP MAIN	204.500	X80 (104 PTS)	X80 (104 PTS)	X80 (102 PTS)	X80 (102 PTS)
	UP MAIN	204.500			115	130
	DOWN MAIN	204.663	115	125	X80 (104 PTS)	X80 (104 PTS)
	UP MAIN	204.886			115	130
	UP MAIN	205.098	95	110		
	UP RELIEF	205.145			115	130
ALLANDALE		205.700				
	UP MAIN	206.238	115	125	95	110
	DOWN MAIN	206.315			115	125
	UP RELIEF	206.324			95	100
	DOWN MAIN	206.590	115	135		
	UP RELIEF	207.020			95	115
	UP RELIEF	209.596			115	125
	UP MAIN	209.675	X85 (112 PTS)	X85 (112 PTS)	115	125
	UP MAIN	209.880	110	125	X85 (112 PTS)	X85 (112 PTS)
	UP MAIN	209.966	115	125	110	125
	DOWN MAIN	210.655			115	135
	DOWN MAIN	210.682	115	125		
GRETA		210.808				
	DOWN MAIN	210.992	X45 (117 PTS)			
	UP MAIN	211.400	105	115	115	125
	UP MAIN	211.700	115	130	105	115
	DOWN MAIN	211.763	105	110		
	DOWN MAIN	211.810			115	125
	DOWN MAIN	212.094	115	135		
	DOWN MAIN	212.304			105	110
	UP MAIN	214.120	115	140	115	130
	UP MAIN	215.015	X70 (120 PTS)	X85 (120 PTS)	115	140
	DOWN MAIN	215.182	115	135	X70 (120 PTS)	X85 (120 PTS)
	DOWN MAIN	215.250	X70 (122 PTS)	X85 (122 PTS)	115	135

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	UP MAIN	215.378	115	140	X70 (122 PTS)	X85 (122 PTS)
	DOWN MAIN	215.395	115	135		
BRANXTON		215.554				
	UP MAIN	216.260	85	85	115	140
	UP MAIN	216.286	X85 (125 PTS)	X85 (125 PTS)		
	UP MAIN	216.436			X85 (125 PTS)	X85 (125 PTS)
	UP RELIEF	216.660			85	90
	UP MAIN	216.680	115	125	85	85
	DOWN MAIN	218.380			115	135
	DOWN MAIN	218.627	105	110		
	UP RELIEF	218.673			100	120
	UP MAIN	219.880	95	110	115	125
	UP MAIN	220.850	105	120	95	110
	UP RELIEF	221.538			95	105
	DOWN MAIN	221.560			105	110
	UP MAIN	221.610			105	120
	UP MAIN	221.860	115	130		
	DOWN MAIN	221.986	115	125		
BELFORD		222.700				
	DOWN MAIN	224.020			115	125
	UP MAIN	224.025			115	130
	UP MAIN	224.076	100	115		
	UP RELIEF	224.325			100	105
	DOWN MAIN	224.370	95	105		
	DOWN MAIN	225.430			95	105
	UP MAIN	225.430			100	115
	UP MAIN	225.600	X70 (160 PTS)	X85 (160 PTS)		
	DOWN MAIN	225.710	X70 (161 PTS)	X85 (161 PTS)		
	DOWN MAIN	225.730	115	130		
	UP MAIN	225.730	105	125		
	DOWN MAIN	225.760			X70 (160 PTS)	X85 (160 PTS)
	UP MAIN	225.875			X70 (161 PTS)	X85 (161 PTS)
MINIMBAH		226.100				
	UP MAIN	227.149			105	125
	UP MAIN	227.449	115	130		
	UP RELIEF	231.163			100	115
WHITTINGHAM		234.000				
	DOWN MAIN	234.240	X75 (201 PTS)			
	DOWN MAIN	234.270			115	130

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
MT THORLEY JUNCTION		234.281				
	UP MAIN	234.288	X75 (202 PTS)			
	MT THORLEY DOWN BRANCH	234.348			X70 (201 PTS)	
	MT THORLEY UP BRANCH	234.588			X70 (203 PTS)	
	UP MAIN	234.760			X70 (200 PTS)	
	UP RELIEF	234.773			115	130
	UP MAIN	234.860			115	150
	UP MAIN	234.948			X85 (206 PTS)	X85 (206 PTS)
	UP MAIN	235.027			115	120
	DOWN MAIN	235.371	115	130		
	UP MAIN	236.029			95 (ASB)	
	UP MAIN	237.574			115	150
	DOWN MAIN	238.389	X25 (56 PTS)	X25 (56 PTS)		
	SINGLETON		238.885			
UP MAIN		239.027			115	130
DOWN MAIN		239.345	100	110		
UP MAIN		240.350			70 (ASB)	
DOWN MAIN		240.430	75	85		
UP MAIN		241.590			95	105
DOWN MAIN		241.890	100	110		
DOWN MAIN		243.500	90	100		
UP MAIN		244.910			105	115
UP MAIN		245.341			X80 (50 PTS)	X80 (50 PTS)
UP MAIN		245.810			85	95
UP RELIEF		245.810			85	95
DOWN MAIN		246.185	80	90		
DOWN MAIN		246.620	X50 (51 pts)			
UP MAIN		246.840	X50 (52 PTS))			
UP RELIEF		246.960	X50 (53 PTS)		X50 (52 PTS)	
CAMBERWELL JUNCTION			246.998			
	CAMBERWELL BRANCH	247.065	X50 (54 PTS)		X50 (53 PTS)	
	DOWN MAIN	247.670	100	105		
	UP MAIN	249.330			80	90
	UP RELIEF	249.330			80	90
	UP MAIN	249.490			X80 (55 PTS)	X80 (55 PTS)
	UP MAIN	250.633			80	90
	DOWN MAIN	250.920		110		

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	DOWN MAIN	252.880	90	95		
	UP MAIN	253.070			90	100
GLENNIES CREEK		253.700				
	DOWN MAIN	253.819	X25 (52 PTS)			
MT OWEN JUNCTION		253.927				
	DOWN MAIN	254.500	115	130		
	DOWN MAIN	256.210	100	110		
	UP MAIN	258.910			115	130
RAVENSWORTH		259.400				
	UP MAIN	259.811	X75 (114 PTS)			
	UP MAIN	259.839			70 (ASB)	
	DOWN MAIN	259.941	X75 (115 PTS)		X75 (114 PTS)	
	DOWN MAIN	260.070	115	135		
	RAV. ARRIVAL	260.158	75		X75 (115 PTS)	
	RAV. BRANCH	260.158	75		X75 (116 PTS)	
	RAV. ARRIVAL	261.303	X50 (117 PTS)			
	MAC. GEN. CONNECTION	261.442			X50 (117 PTS)	
	MAC. GEN. CONNECTION	261.781			40	
	RAV. ARRIVAL	262.096	X75 (118 PTS)			
	MAC. GEN. CONNECTION	262.183	15			
	RAV. BRANCH	262.300			X75 (118 PTS)	
	RAV. BRANCH	262.300			75	
	DOWN MAIN	262.403	X50 (120 PTS)		X50 (119 PTS)	
NEWDELL JUNCTION		262.414				
	RAV. BRANCH	262.482	50			
	H.V. BRANCH	262.600	50		X50 (120 PTS)	
	H.V. BRANCH	264.670			50	
	RAV. BRANCH	264.670			50	
	RAV. BRANCH	264.958	X50 (122 PTS)			
	H.V. BRANCH	265.010	X50 (123 PTS)			
	DOWN MAIN	269.700	X80 (69 PTS)			
	DOWN REFUGE LOOP	269.870	80			
	DOWN REFUGE LOOP	271.550	X80 (72 PTS)			
	UP MAIN	271.615				
	DOWN MAIN	271.740	X60 (81 PTS)			
	DOWN REFUGE	271.740	60			

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	LOOP					
	UP MAIN	271.810			115	150
	DOWN MAIN	271.938			X80 (83 PTS)	X80 (83 PTS)
DRAYTON JUNCTION		271.944				
	DOWN MAIN	272.050	110	120		
	UP DRAYTON BRANCH	272.050			X80 (82 PTS)	
	DOWN DRAYTON BRANCH	272.080	40			
	UP MAIN	272.580			80 (ASB)	
	DOWN DRAYTON BRANCH	272.930	X40 (84 PTS)			
	DOWN MAIN	273.764	85	90	105	115
	UP MAIN	273.764			105	115
ANTIENE		273.900				
	DOWN MAIN	273.945			X40 (77 PTS)	
	DOWN MAIN	274.255	X80 (78 PTS)			
	UP MAIN	274.405			X80 (78 PTS)	
	DOWN MAIN	274.771	80	85	85	90
	UP MAIN	274.771	80	85	85	90
	DOWN MAIN	275.520	90	95	80	85
	UP MAIN	275.520	90	95	80	85
	DOWN MAIN	276.712	115	130	90	95
	UP MAIN	276.712	115	130	90	95
	DOWN MAIN	280.591	X80 (79 PTS)			
	UP MAIN	280.739			X80 (79 PTS)	
	UP MAIN	280.761	X80 (80 PTS)			
	DOWN MAIN	280.909			X80 (80 PTS)	
GRASSTREE		281.200				
ST. HELIERS		284.000				
	DOWN MAIN	284.786	105	115	115	
	UP MAIN	284.786	105	115	115	
	DOWN MAIN	286.504	80	90	105	
	UP MAIN	286.504	80	90	105	
	DOWN MAIN	288.040	X25 (MUS001 PTS)			
	DOWN MAIN	288.270	70		80	
	DOWN MAIN	288.270	X70 (87 PTS)			
	UP MAIN	288.270	X70 (88 PTS)			
	UP MAIN	288.270	70			
	UP MAIN	288.437			X80 (87 PTS)	

ISLINGTON JUNCTION – MUSWELLBROOK (MAINS)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	UP MAIN	288.437			80	
	DOWN MAIN	288.750	50			
MUSWELLBROOK		288.783				

WARATAH – MAITLAND (COAL)				
LOCATION	TRACK	KILOMETRAGE	DOWN	UP
SCHOLEY STREET		164.800		
	DOWN COAL	164.900	35	
WARATAH		165.964		
	DOWN MAIN	166.075	X25 (123 PTS)	
	UP COAL	166.220		X25 (124 PTS)
	DOWN COAL	167.130	40	
	DOWN COAL	167.640	105	
HANBURY JUNCTION BOX		167.658		
	UP COAL	167.686		40
	UP/DOWN COAL	167.980	115	105
	DOWN COAL	168.587	115	
WARABROOK		168.685		
	UP/DOWN COAL	170.340	90	115
SANDGATE		170.509		
	UP COAL	171.334		X55 (181 PTS)
	UP COAL	171.364		90
	UP/DOWN COAL	171.522	X70 (184 PTS)	X70 (183 PTS)
	DOWN COAL	171.641	100	
	DOWN COAL	171.700	X70 (185 PTS)	
	DOWN COAL	172.095	115	
	DOWN COAL	174.000	80	
	REFUGE LOOP NO. 5	174.120		X45 (101 PTS)
	DOWN COAL	174.190	X55 (103 PTS)	
HEXHAM		175.530		
	UP COAL	176.609		X45 (104 PTS)
	UP COAL	177.000		60
	UP/DOWN COAL	178.114	95	115
	UP/DOWN COAL	178.390	115	90
	UP/DOWN COAL	182.038	70	115
THORNTON		182.194		
	UP/DOWN COAL	182.434	115	70
	UP/DOWN COAL	184.000	80	115
	UP/DOWN COAL	191.800	70	60
	DOWN COAL	192.050	X25 (402 PTS)	
MAITLAND		192.548		

KOORAGANG (NORTH FORK)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	UP BRANCH	170.095			X25 (143 PTS)	
	UP NF	169.060			X35 (142 PTS)	
	DOWN NF	169.227	35		X25 (141 PTS)	
	DOWN NF	169.958	55			
	UP NF	169.958			35	
SANDGATE		170.509				
	DOWN NF	171.222	X55 (181 PTS)			
	UP NF	171.317			50	
	UP COAL	171.334			X55 (181 PTS)	

KOORAGANG BRANCH (SOUTH FORK)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
	DN MAIN	168.970	X25 (136 PTS)			
	UP SOUTH FORK	169.000			X25 (137 PTS)	
	UP BRANCH	170.095			X25 (143 PTS)	
	DN BRANCH	170.184	45			
	UP BRANCH	170.184	45			
	DN BRANCH	170.750	X35 (160 PTS)			
	UP BRANCH	170.965	X35 (162 PTS)			
	UP BRANCH	172.722			35	
	UP BRANCH	173.431	X25 (101 PTS)			
	DN BRANCH	173.507	X25 (102 PTS)			
	DN BRANCH	173.695	X45 (103 PTS)			
	HOLDING ROAD B	174.262			25	
	HOLDING ROAD A	174.900	25			
	HOLDING ROAD B	174.900	25			
	ARRIVAL ROAD NO. 1	176.714	15			
	ARRIVAL ROAD NO. 2	176.714	15			
	ARRIVAL ROAD NO. 3	176.714	15			
	ARRIVAL ROAD NO. 4	176.714	15			

PORT WARATAH						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
ISLINGTON JUNCTION BOX		164.647				
	ISLINGTON DEP. RD 1	164.843	15			
	ISLINGTON DEP. RD 2	164.862	15			

EAST GRETA – PELTON (COAL TRAIN WORKING)					
LOCATION	TRACK	KILOMETRAGE	LINE SPEED		COMMENTS
			DOWN	UP	
EAST GRETA	ARRIVAL ROAD	0.000	X15 (TO PELTON BRANCH)		CHANIAGE VIA SMR NETWORK (193.585)
	PELTON BRANCH	0.500	30	15	
	PELTON BRANCH	5.600		30	
	PELTON BRANCH	16.750		30	
	PELTON BRANCH	17.750		20	
	PELTON BRANCH	31.480		30	

MAITLAND – TELARAH (NORTH)						
LOCATION	TRACK	KILOMETRAGE	DOWN		UP	
			NORMAL	XPT	NORMAL	XPT
MAITLAND		192.548				
	DOWN NORTH COAST	193.100	85	75		
	DOWN NORTH COAST	193.453			50	
	DOWN NORTH COAST	194.545	X25 (430 PTS)	X25 (430 PTS)		
	UP NORTH COAST	194.654			X25 (430 PTS)	X25 (430 PTS)
TELARAH		194.739				
	NORTH COAST LINE	194.920	80	85 (85 EP)		

WHITTINGHAM – MT THORLEY COAL LOOP					
LOCATION	TRACK	KILOMETRAGE	DOWN	UP	
			NORMAL	NORMAL	
MT THORLEY JUNCTION	DOWN MAIN	234.240	X75 (201 PTS)		
		234.281			
	UP MAIN	234.288	X75 (202 PTS)		
	MT THORLEY DOWN BRANCH	234.350	X70 (201 PTS)		
	MT THORLEY UP BRANCH	234.588	X70 (203 PTS)		
	MT THORLEY UP BRANCH	234.600	80 (START - G TRAINS)		
	MT THORLEY DOWN BRANCH	234.910	60		
	MT THORLEY DOWN BRANCH	235.900	70		
	MT THORLEY UP BRANCH	235.926	70		
	MT THORLEY DOWN BRANCH	236.245	X40 (204 PTS)		
	MT THORLEY BRANCH	236.320	80	X40 (204 PTS)	
SAXONVALE JUNCTION	MT THORLEY BRANCH	238.224	80 (START - G TRAINS)		
		242.253			
	SAXONVALE BRANCH	242.338	30		
	MT THORLEY BRANCH	242.930	80		
WAMBO JUNCTION	MT THORLEY BRANCH	243.190	X50 (28 PTS)		
		243.279			
	WAMBO BRANCH	243.400	50		
NEWDELL JUNCTION – RAVENSWORTH (COAL TRAIN WORKING)					
LOCATION	TRACK	KILOMETRAGE	DOWN	UP	
			NORMAL	NORMAL	
RAVENSWORTH		259.400			
	UP MAIN	259.811	X75 (114 PTS)		
	DOWN MAIN	259.941	X75 (115 PTS)		
	RAVENSWORTH ARRIVAL	260.158	75	X75 (115 PTS)	
	RAVENSWORTH BRANCH	260.158	75	X75 (116 PTS)	
	RAVENSWORTH ARRIVAL	261.303	X50 (117 PTS)		
	MACQUARIE GENERATION CONNECTION	261.442	X50 (117 PTS)		
	MACQUARIE GENERATION CONNECTION	261.781	40		
	RAVENSWORTH ARRIVAL	262.096	X75 (118 PTS)		
	MACQUARIE GENERATION CONNECTION	262.183	15		
	RAVENSWORTH BRANCH	262.300	X75 (118 PTS)		
	RAVENSWORTH BRANCH	262.300	75		
	RAVENSWORTH BRANCH	262.482	50		
	RAVENSWORTH BRANCH	264.670	50		
	RAVENSWORTH BRANCH	264.958	X50 (122 PTS)		

NEWDELL JUNCTION – NEWDELL/LIDDEL/HUNTER VALLY (COAL TRAIN WORKING)				
LOCATION	TRACK	KILOMETRAGE	DOWN	UP
			NORMAL	NORMAL
	DOWN MAIN	262.403	X50 (120 PTS)	X50 (119 PTS)
NEWDELL JUNCTION		262.414		
	HUNTER VALLEY BRANCH	262.600	50	X50 (120 PTS)
	HUNTER VALLEY BRANCH	264.670		50
	HUNTER VALLEY BRANCH	265.010	X50 (123 PTS)	

6 Advisory Speed Signs

KILOMETRAGE (KM)	SIGNAL NUMBER	SPEED SHOWN ON SIGN (KM/H)
175.246	NUMBER 12 UP STARTING, HEXHAM (M108.6)	80
182.080	UP AUTOMATIC (M113.0)	90
182.080	UP STARTING (C113.0)	90
236.025	NO 1D UP ACCEPT WHITTINGHAM (146.4)	95
240.350	NO 81 UP HOME, SINGLETON (148.6)	70
259.835	UP AUTOMATIC RAVENSWORTH (161.0)	70
272.580	NO 54 UP HOME AND STARTING DRAYTON JUNCTION (169.0)	80