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# **Northern Section Pages**

## NORTHERN SECTION PAGES

Status sheet 2 (Issued August 2004)

This table shows the current status of units in this manual.

This sheet must be used to check that your manual contains all of these units and that each unit is up to date.

When a new status sheet is forwarded to you, it is your responsibility to add, remove or replace any pages or units from this manual as instructed in the bold print on the new status sheet.

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16	June 2004
17	June 2004
18	June 2004
19	June 2004
20	June 2004
21	June 2004
22	June 2004
23	June 2004
24	June 2004
25	June 2004
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35	June 2004
36	June 2004
37	August 2004
- 01	August 2007



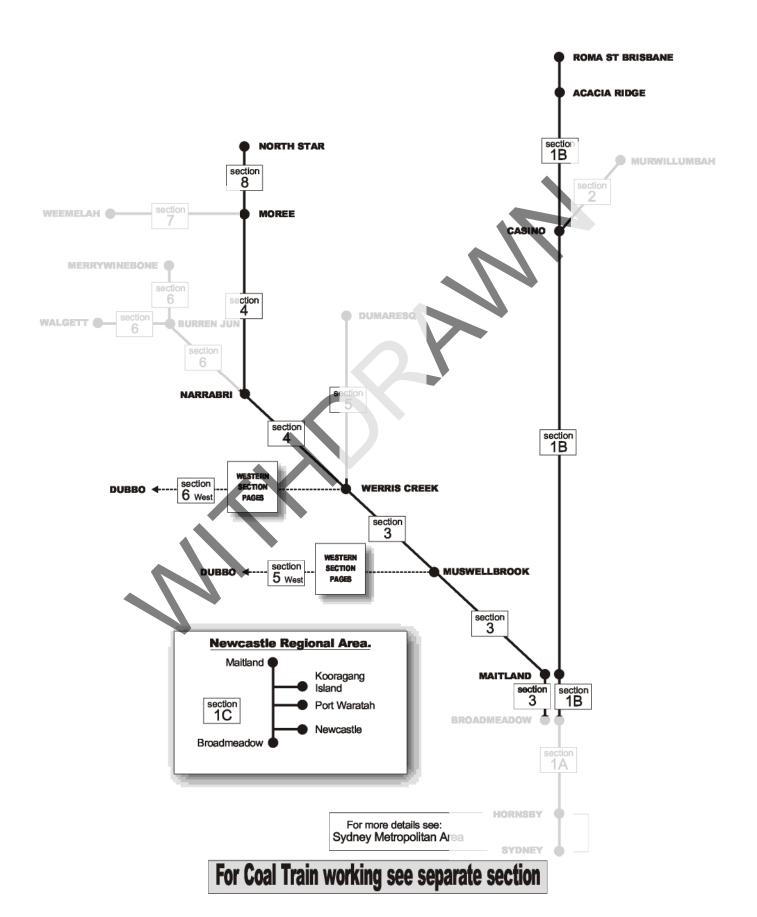
### NORTH COAST TRACK DIAGRAMS

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### QUEENSLAND TRACK DIAGRAMS

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### **SECTION LOCATION MAP**



## Enfield Yards - Broadmeadow - Morandoo section 1A

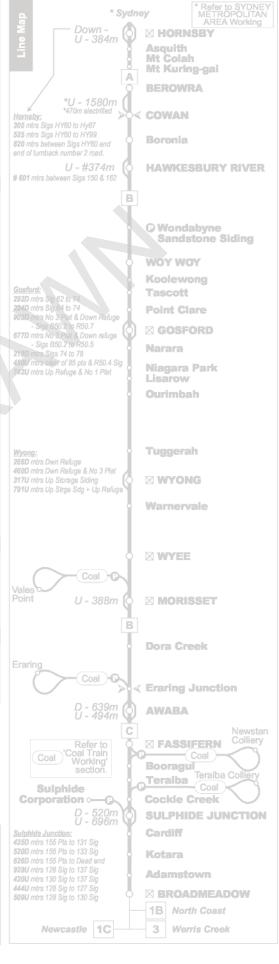
Maximu	m Sp	eed	of Lo	com	otiv	es an	d Ro	lling	Stock
	SETIONS	S S S S S S S S S S S S S S S S S S S	Erang Jung.	Broad Junction	MODODONIO ON THE PROPERTY OF T				
Class of Track	1	1	1	/ 4 4	'/				Notes
Line Map reference	Α	В	С						
Locomotiv	es								
Multiple Locos	4	4							
S1	(b)	(b)	60						
S2	100	100	100	AREA					
S3	115	115	115	A					(a)
S4	80	115	115	ECTION 1C					\-/
S5	115	115	115	73					
S6	115	115	115	0 %					
S7	90	90	90	2 m					
S8	115	115	115	2 2 2					
S9	115	115	115	SEE SI					
S10	115	115	115	SEE					
S11	80	80	80						
S12	100	100	100	NEWC					
S13	100	100	100						
Freight									
Class A	115	115	115						
Class B	100	100	100						
Class C	80	80	80						
Class D	65	65	65						
Class E	80	80	80						
Class F	65	65	65						
Class G	N/A	N/A	N/A						
Passenger									
XPT	160	160	160						
Xplorer	145	145	145						
Diesel Train	115	115	115						
Loco Hauled	115	115	115						
Accident 0	rane	es							
70 tonne	60	60	60						
110 tonne	115	115	115						
120 tonne	50	50	50						
Notes									
NOTEO.									

### NOTES:

- (a) Maximum speed of 40km/h through Boronia Tunnel No 3 (Down & Up North 54.300km to 54.500km)
- (b) See Special conditions Page 8 of this section.

Hornsby - Cowan
Cowan - Boronia
Boronia - Hawkesbury River
Hawkesbury River - Broadmeadow

Rail Vehicle Detection
Rail Vehicle Detection (Bi directional)
Rail Vehicle Detection
Rail Vehicle Detection





ī	OOWN	LOCO-			TRAIN					
	DADS & CONDITIONS	MOTIVE CLASS	MOTIVE SINGLE DOUBLE TRIPLE QUAD QU					VEHICLE CLASS	SECT RUN	NOTES
	SECTIONS	= L		LO	ADS TONN	ES		OLAGO	THALES	
1	SYD METROP - B'MEADOW / MORANDOO	L2	1000	2000	3000	4000		А	A1	
2	SYD METROP - B'MEADOW / MORANDOO	L7	735	1470	2205	2940		A	A1	
3										
4	SYD METROP - B'MEADOW / MORANDOO	L2	1300	2600	3900	5200		AB	B1	
5	SYD METROP - B'MEADOW / MORANDOO	L4	970	1940	2910	3880		AB	B1	
6	SYD METROP - B'MEADOW / MORANDOO	L7	909	1818	2727	3636		AB	B1	
7										
8	SYD METROP - B'MEADOW / MORANDOO	L2	1300	2600	3900	5200		ABCE	C1	
9	SYD METROP - B'MEADOW / MORANDOO	L4	970	1940	2910	3880		ABCE	C1	
10	SYD METROP - B'MEADOW / MORANDOO	L7	909	1818	2727	3636		ABCE	C1	
11	SYD METROP - B'MEADOW / MORANDOO	L9	590	1180	1770	2360		ABCE	C1	
12										
13	SYD METROP - B'MEADOW / MORANDOO	L3	1200	2400	3600	4800		ABCE	C2	
14	SYD METROP - B'MEADOW / MORANDOO	L4	1131	2262	3393	4524		ABCE	C2	
15	SYD METROP - B'MEADOW / MORANDOO	L5	1056	2112	3168	4224		ABCE	C2	
16	SYD METROP - B'MEADOW / MORANDOO	L6	926	1852	2778	3704		ABCE	C2	
17	SYD METROP - B'MEADOW / MORANDOO	L7	909	1818	2727	3636		ABCE	C2	
18	SYD METROP - B'MEADOW / MORANDOO	L8	822	1644	2466	3288		ABCE	C2	
19	SYD METROP - B'MEADOW / MORANDOO	L9	750	1500	2250	3000		ABCE	C2	
20	SYD METROP - B'MEADOW / MORANDOO	L10	725	1450	2175	2900		ABCE	C2	
21	SYD METROP - B'MEADOW / MORANDOO	L11	640	1280	1920	2560		ABCE	C2	
22	SYD METROP - B'MEADOW / MORANDOO	L12	615	1230	1845	2460		ABCE	C2	
23	SYD METROP - B'MEADOW / MORANDOO	L13	310	615	925	1230		ABCE	C2	
24										
25	SYD METROP - B'MEADOW / MORANDOO	L4	1131	2262	3393	4524		ABCDE	D1	
26	SYD METROP - B'MEADOW / MORANDOO	L10	725	1450	2175	2900		ABCDE	D1	
27	SYD METROP - B'MEADOW / MORANDOO	L13	410	820	1230	1640		ABCDE	D1	
28						13.13				

	1										· 	_							
DOWN		-CTI	ONAL DI	ININI	NG TIME					FUL	L SE	CTIC	ANC	L LO	ADS				出
						1								ORIE					GRADE
	A1	B1	C1	C2	D1	Loco	L1 L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13 L1	4
ENFIELD	₽,	₹.	P).	₽,	D.	2	F.	3	3)	Ð,	₽,	Ð,	₽,	Ð,	Ð,	-B.	₽,	₹,	
CHULLORA JCT	5	5	5	5	5	5	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
FLEM GOODS JCT	8	8	8	8	8		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
FLEM MARKETS	3	3	3	3	3	2	2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
NTH STRATHFIELD JCT	6	6	6	6	6	. 4	2536	2339	2211	2077	1833	1786	1642	1495	1442	1288	1236	862	1:85
RHODES	3	3	3		3	2	3587	3314	3134	2949	2607	2535	2342	2133	2055	1841	1766	1232	1:134
WEST RYDE	2	2	2	2	2	2	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:60
EPPING	5	6	7.	8	11	4	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
THORNLEIGH	9	12	12	14	16	7	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:42
HORNSBY	4	5	5	5	6	4	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
Mt Kuring-gai X/over	5	6	6	7	10	5	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
BERÓWRA	- 4	4	4	5	6	- 4	4337	4008	3792	3571	3158	3069	2840	2687	2491	2235	2143	1496	1:176
COWAN	4	4	4	4	4	- 4	2607	2405	2274	3136	1885	1837	1689	1539	1484	1325	1272	887	1:87
Boronia X/Over	3	3	3	3	3	3	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
HAWKESBURY RIVER	6	6	6	6	6	6	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
Wondabyne X/Over	7	6	7	7	8	6	2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
WOY WOY	8	9	9	9	12	- 7	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
GOSFORD	6	6	6	6	7	6	2028	1869	1766	1656	1459	1425	1304	1188	1147	1021	980	684	1:65
OURIMBAH	8	8	8	8	10	- 7	2990	2760	2609	2453	2167	2109	1944	1770	1707	1526	1465	1022	1:106
WYONG	6	7	8	8	10	6	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:71
WYEE	8	10	12	12	15	- 8	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:58
MORISSET	6	6	8	8	10	6	1607	1479	1396	1307	1149	1125	1024	933	902	799	768	536	1:50
AWABA	13	14	15	16	20	12	1458	1341	1265	1183	1040	1018	925	842	815	721	693	483	1:44
FASSIFERN	4	4	4	5	5	4	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:60
SULPHIDE JUNCTION	9	10	10	10	14	9	1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
ADAMSTOWN	9	10	10	10	13	9	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
BROADMEADOW	3	3	3	3	3	3	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
WOODVILLE JCT	4	4	4	4	4	3	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
ISLINGTON JCT	3	3	3	3	3	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
SCHOLEY ST JCT	4	4	4	4	4	4	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
MORANDOO	10a	10a	10a	10a	10a	10a	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level



UP		LOCO-		LC		TRAIN DATA				
L	DADS & CONDITIONS	TIONS MOTIVE SINGLE DOUBLE TRIPLE QUAD QU							SECT RUN	NOTES
	SECTIONS	= L		LO	ADS TONN	IES		CLASS		
1	MORANDOO / B'MEADOW - SYD METROP	L2	1000	2000	3000	4000		A	A1	
2	MORANDOO / B'MEADOW - SYD METROP	L7	735	1470	2205	2940		A	A1	
3										
4	MORANDOO / B'MEADOW - SYD METROP	L2	1230	2460	3690	4920		AB	B1	
5	MORANDOO / B'MEADOW - SYD METROP	L4	970	1940	2910	3880		AB	B1	
6	MORANDOO / B'MEADOW - SYD METROP	L7	909	1818	2727	3636		AB	B1	
7										
8	MORANDOO / B'MEADOW - SYD METROP	L2	1230	2460	3690	4920		ABCE	C1	
9	MORANDOO / B'MEADOW - SYD METROP	L4	970	1940	2910	3880		ABCE	C1	
10	MORANDOO / B'MEADOW - SYD METROP	L7	909	1818	2727	3636		ABCE	C1	
11	MORANDOO / B'MEADOW - SYD METROP	L9	590	1180	1770	2360		ABCE	C1	
12										
13	MORANDOO / B'MEADOW - SYD METROP	L3	1200	2400	3600	4800		ABCE	C2	
14	MORANDOO / B'MEADOW - SYD METROP	L4	1131	2262	3393	4524		ABCE	C2	
15	MORANDOO / B'MEADOW - SYD METROP	L5	1056	2112	3168	4224		ABCE	C2	
16	MORANDOO / B'MEADOW - SYD METROP	L6	926	1852	2778	3704		ABCE	C2	
17	MORANDOO / B'MEADOW - SYD METROP	L7	909	1818	2727	3636		ABCE	C2	
18	MORANDOO / B'MEADOW - SYD METROP	L8	822	1644	2466	3288		ABCE	C2	
19	MORANDOO / B'MEADOW - SYD METROP	L9	750	1500	2250	3000		ABCE	C2	
20	MORANDOO / B'MEADOW - SYD METROP	L10	725	1450	2175	2900		ABCE	C2	
21	MORANDOO / B'MEADOW - SYD METROP	L11	640	1280	1920	2560		ABCE	C2	
22	MORANDOO / B'MEADOW - SYD METROP	L12	615	1230	1845	2460		ABCE	C2	
23	MORANDOO / B'MEADOW - SYD METROP	L13	310	615	925	1230		ABCE	C2	
24										
25	MORANDOO / B'MEADOW - SYD METROP	L4	1131	2262	3393	4524		ABCDE	D1	
26	MORANDOO / B'MEADOW - SYD METROP	L10	725	1450	2175			ABCDE	D1	
27	MORANDOO / B'MEADOW - SYD METROP	L13	410	820	1230	1640		ABCDE	D1	
28										

								Y		3111	ı er	СТІ	DNA	L LO	ADS				
UP	SI	ECTIC	DNAL RI	JNNI	NG TIMES	ı				LOC	OMO	TIVE C	ATEG	ORIE	S=L				GRADE
	A1	B1	C1	C2	D1 Loc	»۱	L1 L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13 L14	9
MORANDOO to:	₽,	₹.	₹>	₹.	<b>P</b> , P	>	-A	₽\$-	₹.	₹.	₹.	₽,	₹.	₹.	₹>	₹.	₽\$-	₹.	₹.
PORT WARATAH	15	15	15	15	15 1	5	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
SCHOLEY ST	10	10	10	10	10 1	0	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
ISLINGTON JUN	4	4	4	4	4 4	П	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
WOODVILLE JUN	3	3	3 .	3	3 2	ΣĪ	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
BROADMEADOW	4	4	4	4	4 3	3	4426	4090	3869	3645	3223	3132	2899	2641	2542	2281	2188	1527	1:185
ADAMSTOWN	3	3	. 3	3	3 2	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
SULPHIDE JUN	8	9	9	9	11 7	7	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:70
FASSIFERN	9	9	9		13 8	3	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:69
AWABA	4	4	4	5	6 4	П	2080	1894	1789	1678	1479	1444	1322	1204	1163	1035	994	693	1:66
MORISSET	12	14	14	15	20 1	1	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:72
WYEE	6	7	7	7	10 6	3	2289	2111	1995	1872	1650	1610	1478	1345	1300	1158	1110	775	1:73
WYONG	9	9	12	12	16 9	9	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:72
OURIMBAH	6	7	8	8	10 7	7	3587	3314	3134	2949	2607	2535	2342	2133	2055	1841	1766	1232	1:132
GOSFORD	7	8	8	8	10 7	7	2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
WOY WOY	8	8	8	9	9 7	7	2654	2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:90
Wondabyne X/Over	6	7	7	7	9 6	3	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:60
HAWKESBURY RIVER	8	8	8	8	9 7	7	2791	2576	2435	2289	2021	1968	1812	1650	1591	1422	1365	952	1:94
Boronia X/Over	11	16	16	18	21 8	3	1230	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
COWAN	5	6	7	8	9 3	3	1458	1341	1265	1183	1040	1018	925	842	815	721	693	483	1:45
BEROWRA	5	6	6	7	9 4	П	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:72
Mt Kuring-gai X/Over	4	4	4	4	5 4	П	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:68
HORNSBY	5	5	5	5	6 5	5	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:82
THORNLEIGH	4	4	4	4	5 3	3	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:72
EPPING	5	5	5	5	6 5	5	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:72
WEST RYDE	4	4	4	4	5 4	П	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
RHODES	2	2	2	2	2 2	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
NTH STRATHFIELD JUN	2	2	3	3	3 2	2	3587	3314	3134	2949	2607	2535	2342	2133	2055	1841	1766	1232	1:132
FLEM MARKETS	6	6	6	6	6 4	П	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
FLEM GOODS JUN	3	3	3	3	3 2	2	2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
CHULLORA JUN	8	8	8	8	8 6	3	2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
ENFIELD YARDS	5a	5a	5a	5a	5a 5	a	2881	2659	2514	2363	2086		1871	1704	1643	1469	1410	984	1:100



### Location of Speed signs

LOCATION	KILO-		WN	U		LOCATION	KILO-			VN MAII	
	METRAGE			NORM ed sign:			METRAGE	NOBW DO		U NORM	
	See SYI						48.555	X25	X35	NORM	APT
	000 011		ction	OI OLII	7-114		48.890	720		X25	X35
HORNSBY	33.864						48.960	80	90		
	33.950	X60	X85				49.620			80	90
Down refuge	34.010	60	85				49.950	65	70		
Up Boards on Down Refuge	34.010			X60	X85		51.375	X50	X50	65	70
	34.090	X45				BORONIA	51.409				
Up Board on Down Refuge	34.100			40			51.510	60	65	X50	X50
Up Board on Down Main	34.110 34.120			80 70			51.740	70	75	60	65
Down Board on Up Main	34.120	 X45					52.440 53.000			70	75
Down Boards on Up Main	34.155	70	85				53.230	65	70		
Down Brd on Tumback Sdg	34.220	60					53.400			65	70
Up Brd on Tumback Sdg	34.220		- :-	X45	-:-		53.730	55	60		
Up Board on Down Main	34.245			X45			55.750			55	60
	34.345	X45					56.050	60	65		
	34.425	70	85				56.400	**		60	65
Down Refuge	34.470	60	70				56,590	X50	X50		
							56.910	70	75	X50	X50
Up Brd on Tumback Sdg	34.470			X45			57.450			70	75
Down Refuge	34.535	X60	X70			HAWKESBURY RIVER	57.397	_			
Up Boards on Down Refuge	34.535			60	70					MAIN	
Down Brd on Tumback Sdg	34.595	X60						U		DO	
Up Brds on Tumback Sdg	34.595			60			40.000	NORM	XPT	NORM	
Up Brds on Tumback Sdg	34.625			X60			48.960	80		80	90
Up Brds on Tumback Sdg Up Board on Down Main	34.750 34.750			60 X60			49.020		90	65	70
Op Board on Down Main	34.750			70	85		51.230	65	70	X50	X50
Down Boards on Up Main	35.010	 X55	 X65			BORONIA	51.409	X50	X50	60	65
Down Boards on Op Main	35.200	115	125			BORONIA	51.740	60	65		00
ASQUITH	35.694		12.0				52.440			70	75
							53.000	70	75		
	37.100			115	125		53.230			65	70
	37.167			100	105	· ·	53.400	65	70		
	37.400	90	95				53.730			55	60
MT COLAH	37.675						55.750	55	60		
							56.050			60	65
	37.937		10 9	95	100		56.700	60	65	X50	X50
	38.000	100	105	****	105		56.780	X50	X50		
	39.800 40.175	75	80	100	105		56.910 57.450	60	65	60	65
MT KURING-GAI	40.667	70	00			HAWKESBURY RIVER	57.397	00	00		
MT KOKING-GAI	70.007					HAVIREODORT RIVER	01.001				
	41.380	70	75			LOCATION	KILO -	DO	WN	U	P
	42.005			70	75		METRAGE				
	42.500	85	90								
	44,170			80	90		58.436	#50	#50	#50	#50
	44.390	X50	X50								
On Down Loop	44.710	X50				Hawkesbury River				n travelli	ng
BEROWRA	44.661					Bridge		ong Ro	ad'over	bridge	
	44.800	115	120				58.115	80	90	80	90
	44.840			75	85		60.590			100	105
0-11-1	46.780			100	110		60.890	95	105		
On Up Loop	46.995			X50			61.300		70	80	85
05/15/200	47.075	80	85	 E0			61.630	65	70	70	75
On Up Loop	47.200 47.485	60	65	50			62.000 65.060			70 65	75 70
	48.540			60	65	WONDABYNE	65.146			00	70
On Up Loop	48.590			35		WONDADTHE	03.140				
On Up Loop	48.660			X35			65.580			50	60
COWAN	48.814			7.00			66.380			70	80
	-31017						66.625	55	60		
0011711							67.050	115			60
OUTAI								110	125	55	00
John							68.900		125	110	110
3317.11											
331111							68.900 69.200 69.500	100	 110 	110	110
331111							68.900 69.200 69.500 69.730	100	110	110  100	110  110
331111							68.900 69.200 69.500 69.730 72.100	 100  115	110  125	110  100	110  110
							68.900 69.200 69.500 69.730 72.100 72.360	 100  115	110  125	110  100	110  110
						WOY WOY	68.900 69.200 69.500 69.730 72.100	 100  115	110  125	110  100  115	110  110  125

<sup>@</sup> Bidirectional working is provided on the Down and Up Main Lines between Cowan – Boronia – Hawkesbury River.



### Location of Speed signs

LOCATION	KILO- METRAGE		WN XPT		IP XPT	LOCATION	KILO- METRAGE	DON NORM		U NORM	
	72.905		400	80	80		124.300			115	125
KOOL EWONG	73.150	90	100				124.505	75	85	75	
KOOLEWONG	74.819						125.270 125.620			75 85	80 90
	75.060			90	95		125.920	100	105		
	75.360	65	70				126.110			95	105
	75.920			70	75		126.400	110	120		
	76.280	85	90			DORA CREEK	127.232				
TASCOTT	76.906										
							129.240			105	115
POINT CLARE	78.050						129.540	90	95		
					0.5		130.900			85	95
	78.080	445	100	90	95		131.200	70	75	70	75
	78.300 79.200	115	120	115	120		131.685 132.490			70 80	75 85
	80.265	60	60	90	95		135.045		80	- 00	
	80.850			55	60		136.170	10		65	70
GOSFORD	80.908						137.270		85		
						AWABA	137.305				
	81.035	80	90	55	60						
	83.680			80	85		137,800			75	80
	83.985	75	80				138.090	115	125		
	84.590			75	80		139.860			115	140
NARARA	84.597						140.150	100	105		
	04.000	0.0	400				140.800	75		95	100
	84.890 85.640	80	100	100	115		141.080 142.180	75	80	75	80
	86.130	75	80		115	FASSIFERN	142.313			_ /5	00
NIAGARA PARK	86.193	10	00			PASSIFERIN	142.313				
MAGARATARK	00.155						142.480	100	105		
	86.735			75	80	52 Points	142.510	X25		- :-	
	87.020	105	115			# On South Fork	142.710	#10		#25	
	87.970			100	105		143.200			100	105
LISAROW	87.729						143.500	70	75		
							144.850			75	80
	88.290	115	125				145.150	85	90		
OUDBER	90.000	110	115			DOODAOU	146.060			80	85
OURIMBAH	90.607					BOORAGUL	146.392				
	92.230			115	125		146.460			75	85
	92.530	115	140	11.0			146.900	75	80		
	96.840			115	140		147.530			75	80
	97.140	115	120			TERALBA	147.565				
	97.720			110	120						
	98.020	115	140				147.800	115	130		
TUGGERAH	98.540						149.230			115	140
	00 700			445	450	00011 - 000011	149.550	110	115		
	99.700		130	115	150	COCKLE CREEK	150.626				
WYONG	100.000	115	130				153.260			100	110
44 1 0 140	101.002					SULPHIDE JUNCTION	153.400			100	110
	101.540			115	130						
	101.700		160				153.560	75	85		
WARNERVALE	105.896						154.600			80	85
							155.000	70	75		
	106.350			115	150	CARDIFF	155.083				
	106.800	100	105		100		450.000	0.5			
	108.400			115	120		156.060	65	75	70	75
	111.790 112.090	115	130	100	110		156.410 156.700	85	90	70	75
	112.840			115	160		158.670			75	80
	114.370			105	115	KOTARA	158.922			,,,	
	114.680	115	160								
WYEE	114.864						159.540	100	100		
							160.280			95	105
	116.820	115	125			ADAMSTOWN	161.120				
	117.080			115	140						
	119.020			110	120		162.020			80	90
	119.590	85	90				162.320	95	100		
	120.250			80	85		162.730			85	95
	120.800	115	125			BROADMEADOW	162.935				
MORISSET	123.334										



### Station Data

Hornsby	33.864	A	Always	Р
Asquith	35.694			P
Mt Colah	37.675			P
Mt Kuring-gai	40.667			Р
Berowra	44.661	С	Controlled from Hornsby	Р
Cowan	48.814	С	Controlled from Hornsby	LP, P
Boronia	51.409	С	Controlled from Hornsby	L
Hawkesbury River	57.397	С	Controlled from Hornsby	Р
Hawkesbury River	E0 400			
Bridge Wondabyne	58.436 65.146			Р
Wondabyne	05.140			F
Sandstone Siding	65.335			
Woy Woy	72.617			Р
Koolewong	74.819			Р
Tascott	76.906			Р
Point Clare	78.050			P
Gosford	80.908	A	Alwaya	P, TT, WC
Narara	84.597		Always	P P
				P
Niagara Park Lisarow	86.193 87.729			P
				P
Ourimbah	90.607			P
Tuggerah	98.540		A1	
Wyong	101.082	A	Always	P
Warnervale	105.896		N T 0445 4700 W 1 5 10545 4700 0 4 0745 4445	P
Wyee	114.864	Р	Mon/Tue 0445 – 1700, Wed – Fri 0545 – 1700, Sat 0715 – 1445, Sun & Public Holidays- Closed	Р
Vales Point Coal	119.230	С	Controlled from Morisset	L
Morisset	123.334	A	Always	P
Eraring Coal	132.590	С	Controlled from Broadmeadow Signal Control Centre	L
Dora Creek	127.232			Р
Awaba	137.305	C	Controlled from Broadmeadow Signal Control Centre	P,LP
Fassifern	142.313		Attended as required for Newstan Colliery	P
Booragul	146.392			Р
Teralba	147.565			Р
Teralba Colliery				L
Cockle Creek	150.626			Р
Sulphide Junction	153.400	C	Controlled from Broadmeadow Signal Control Centre	
Cardiff	155.083			Р
Kotara Tickhole				
Tunnel	157.642			L
Kotara	158.922			Р
Adamstown	161.120	С	Controlled from Broadmeadow Signal Control Centre	Р
Broadmeadow Marshalling Yards		C	Controlled from Broadmeadow Signal Control Centre	
Broadmeadow	162.935	С	Controlled from Broadmeadow Signal Control Centre	Р
	102200		Controlled from Diodulleadow Signal Control Certifie	



### Out-of-gauge steel trains

Out-of-gauge steel trains may operate between Enfield Yards and Broadmeadow Yards subject to the conditions shown for Out-of-gauge steel trains contained in the *General Instruction Pages* section.

The locations where crossings may be made as authorised are as follows:

Flemington - Rhodes	Flemington – North Strathfield goods Line signal ST301G – Down relief line
Epping	Down Suburban clear platform Sydney end
Pennant Hills - Thornleigh	Down relief line
Hornsby	
Gosford	No 3 Platform Road to Starting Signal No 32
Wyong	Down refuge line
Awaba	Down refuge line
Sulphide Junction	Down refuge line

### Advisory Speedsigns

Special advisory speedsigns have been positioned approaching signals at the locations shown below. Drivers of trains (except XPT's / EMU's) are required to regulate the speed of their train at such locations to ensure that before reaching the signal indicated the speed is not in excess of that figure shown on the special advisory sign. If at any point approaching the signal it is seen to be exhibiting a full clear indication, normal track speed for the train concerned may be resumed.

Location	Signal no	Speed shown on board
34.470km	Hornsby Up 3 <sup>rd</sup> Home, Main No. 21.	60
40.734km	Mt Kuring-gai Up Automatic 25.20	60
50.351km	Cowan Down Automatic 31.5	60
141.540km	Fassifern No 48 Down Home, Main (88.1)	60
142.145km	Fassifern Down Second Home, Main (88.5)	60
159.790km	Broadmeadow No 201 Down Accept (B201)	60
160.075km	Broadmeadow No 203 Down Home (B203)	60

### Tonnage Signals

Certain signals listed herein are treated as **Tormage Signals**, that is to say, in order to avoid the risk of trains over a certain tonnage being brought to a stand at signals where it would be difficult for them to restart, these tonnage signals must not be passed by trains conveying loads in excess of 75% of the prescribed load unless the Tonnage signal is in the clear position (or by telephone instructions in the case of failure)

The following signals are to be treated as a Tonnage signal, in accordance with NSG 608:

Signal no	Kilometrage	Section located
WR1	17 880	Meadowbank – West Ryde
N13.87 / NS13.87	22.305	Eastwood – Epping
N14.75 / NS14.75	23.747	Epping – Cheltenham
N19.93	32.046	Normanhurst - Hornsby
# 146	57.290	Hawkesbury River
# 148	57.295	Hawkesbury River
# 150	57.300	Hawkesbury River
# 148 Repeater	57.420	Hawkesbury River
40.9	65.804	Wondabyne – Woy Woy
78.8	126.900	Dora Creek – Morisset
79.9	128.420	Dora Creek – Awaba

# The signals at Hawkesbury River are fitted with a notice plate which reads as follows:

TONNAGE SIGNAL

TRAINS OVER
PRESCRIBED
LOAD TO WAIT
UNTIL SIGNAL IS
AT FULL CLEAR
OR 'T' INDICATOR
IS ILLUMINATED



### ☐ Transfer of 90 class (S1) locomotives Kooragang – Enfield – Kooragang for wheel lathe attention

90 Class locomotives (S1 category) may be transferred from Kooragang/Port Waratah to Enfield and return for wheel lathe attention subject to the following conditions:

- Each locomotive travels light locomotive unattached. (single locomotive)
   To overcome the necessity of the 90 class locomotive (S1 category) being driven long end leading a suitable locomotive can be used in multiple with a 90 class (S1 category) on the following lines:
  - (a) Delec to Campsie and return.
  - (b) North Strathfield/Strathfield to Delec via Chullora and Flemington Goods Junction and return.
  - (c) North Strathfield/Strathfield to Delec via Sefton Park Junction, Bankstown and Campsie and return.
- The axle loads are to be decreased by ensuring the locomotive has a reduced fuel load.
- The locomotive must reduce its speed to 20km/hr when traversing the following bridges: Main North: 150.534km, 112.051km, 93.921km, 92.070km, 88.811km, 86.440km, 12.628km Bankstown Line: 19.202km
- 4. Maximum track speed:

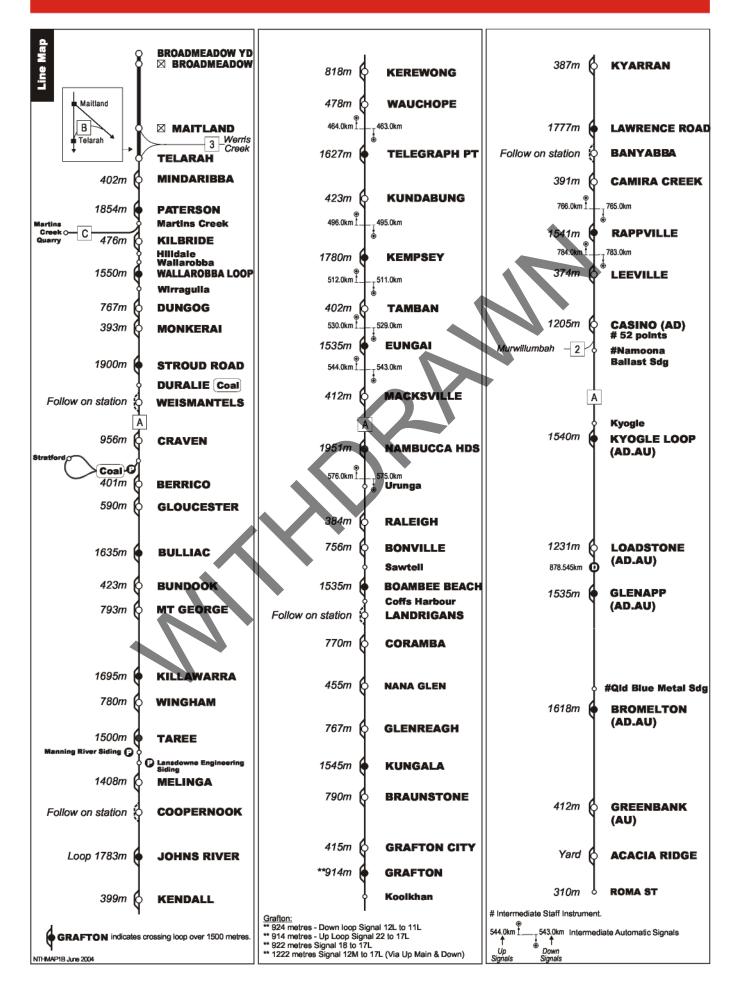
Kooragang/Port Waratah – Eraring Junction – Kooragang/Port Waratah = **60km/hr** Enfield – Eraring Junction – Enfield = **50km/hr**.

- 5. Sector Civil Engineers to be advised at least 48 hours in advance.
- Transfer of this locomotive from Kooragang to Enfield is to be done under block working conditions as per NPR722.

Transfer of this locomotive from Enfield to Kooragang must be blocked worked where specified in the General Instruction Pages of the train Operating Conditions Manual, Section 2, page 4, - *Block Working of all classes of light locomotives*.

# **Broadmeadow** - Brisbane

## section 1B



## **Broadmeadow - Brisbane**

## section 1B

	Maximum Speed of Locomotives and Rolling Stock															
	Class of Track 1 1 1 1															
Class of Track			1													
Line Map reference	Α	В	С					Line Map reference	Α	В	С					
Locomotiv	es							Freight								
	Multiple Locos 4 4 4 4 Class A 115 20 115															
S1 N/A N/A N/A Class B 100 20 100																
S2	100	20	N/A					Class C	80	20	80					
S3	115	20	N/A					Class D	65	20	<b>65</b>					
S4	80	20	N/A				(a)	Class E	80	20	80					
S5	115	20	20				\_,	Class F	65	20	65					
S6	115	20	20					Class G	N/A	N/A	N/A					
S7	90	20	20													
S8	115	20	20					_								
S9	115	20	20					Passenge								
S10	115	20	20					XPT	160	20	160					
S11	80	20	20					Xplorer	145	20	145					
S12	100	20	20					Diesel Train	115	20	115					
S13	100	20	20					Loco Hauled	115	20	115					
S14	70	20	20													
								Accident 0	rane	es						
	70 tonne   60   60															
								110 tonne	115	20	115					
								120 tonne	50		50					
								Notes								

### NOTES:

(a) Maximum speed of 40 km/h through No 1 Platform Maitland.
(b) See SECTION 3 for details Broadmeadow to Maitland.

Broadmeadow to Woodville Junction **Woodville Junction to Islington Junction** Islington Junction to Casino Casino to Kyogle Loop **Kyogle Loop to Loadstone** Loadstone to Glenapp Glenapp to Bromelton **Bromelton to Greenbank Greenbank to Acacia Ridge** Acacia Ridge to Clapham Clapham to Roma Street

Rail Vehicle Detection Rail Vehicle Detection Electric Staff

Electric Staff Electric Staff Electric Staff

Rail Vehicle Detection

Queensland Safeworking System Queensland Safeworking System



D	OWN	LOCO-		LC	COMOTIVE	s		TRAIN	DATA	
LC	ADS & CONDITIONS	MOTIVE	SINGLE	DOUBLE	TRIPLE	QUAD	QUIN		SECT RUN	NOTES
	SECTIONS	CLASS = L		10	I ADS TONNE	-8		CLASS	TIMES	
					ADO TORRE					
1	BROADMEADOW - ACACIA RIDGE	L2	1000	2000	3000	4000		Α	A1	
3	BROADMEADOW – ACACIA RIDGE	L7	735	1470	2205	2940		A	A1	
4	BROADMEADOW – ACACIA RIDGE	L2	1500	3000	4500	6000		AB	B1	
5	BROADMEADOW – ACACIA RIDGE	L3/L4/L7	970	1940	2910	3880		AB	B1	
6	BROADMEADOW - ACACIA RIDGE	L9/L10	610	1220	1830	2440		AB	B1	
7	BROADMEADOW - ACACIA RIDGE	L12	550	1100	1650	2200		AB	B1	
8	BROADMEADOW – ACACIA RIDGE	L13	250	500	750	1000		AB	B1	
9			4555						-	
10	BROADMEADOW – ACACIA RIDGE BROADMEADOW – ACACIA RIDGE	L2	1600 1160	3200	4800 3480	6400 4640		ABCE ABCE	C1	
12	BROADMEADOW – ACACIA RIDGE BROADMEADOW – ACACIA RIDGE	L3/L4/L7 L9/L10	740	2320 1480	2220	2960		ABCE	C1	
<u> </u>	BROADMEADOW - ACACIA RIDGE	L12	660	1320	1980	2640		ABCE	C1	
14	BROADMEADOW – ACACIA RIDGE	L13	300	600	900	1200		ABCE	C1	
15										
16	BROADMEADOW - ACACIA RIDGE	L2	1850	3700	5550	7400		ABCE	C2	
17	BROADMEADOW - ACACIA RIDGE	L3/L4/L7	1400	2800	4200	5600		ABCE	C2	
18	BROADMEADOW – ACACIA RIDGE	L9/L10	900	1800	2700	3600		ABCE	C2	
19	BROADMEADOW – ACACIA RIDGE	L12	750	1500	2250	3000	_	ABCE	C2	
20	BROADMEADOW – ACACIA RIDGE	L13	375	750	1125	1500	·	ABCE	C2	
21	DDOADMEADOW AGAGIA DIDGE		0000	4400	2040	0000		4005		
_	BROADMEADOW – ACACIA RIDGE BROADMEADOW – ACACIA RIDGE	L2 L3/L4	2080 1500	4160 3000	6240 4500	8320 6000		ABCE ABCE	C3 C3	
	BROADMEADOW - ACACIA RIDGE	L9/L10	980	1960	2940	3920		ABCE	C3	
_	BROADMEADOW - ACACIA RIDGE	L12	870	1740	2610	3480		ABCE	C3	
26	BROADMEADOW – ACACIA RIDGE	L13	415	830	1245	1660		ABCE	C3	
27										
28	BROADMEADOW - GRAFTON	L2	2414	4828	7242	9656		ABCE	C4	
29	BROADMEADOW - GRAFTON	L3	2227	4454	6681	8908		ABCE	C4	
30	BROADMEADOW – GRAFTON	L4	2104	4208	6312	8416		ABCE	C4	
	BROADMEADOW - GRAFTON	L5	1967	3934	5901	7868		ABCE	C4	
	BROADMEADOW - GRAFTON	L6	1743	3486	5229	6972		ABCE	C4	
	BROADMEADOW – GRAFTON  BROADMEADOW – GRAFTON	L7 L8	1699 1561	3398 3122	5097 4683	6796 6244		ABCE ABCE	C4 C4	
35	BROADMEADOW - GRAFTON	. 19	1422	2844	4266	5688		ABCE	C4 C4	
	BROADMEADOW - GRAFTON	L10	1372	2744	4116	5488		ABCE	C4	
37	BROADMEADOW - GRAFTON	L11	1224	2448	3672	4896		ABCE	C4	
38	BROADMEADOW - GRAFTON	L12	1175	2350	3525	4700		ABCE	C4	
39	BROADMEADOW - GRAFTON	L13	600	1200	1800	2400		ABCE	C4	
40										
41	BROADMEADOW - ACACIA RIDGE	L13	693	1386	2079	2772		ABCE	C5	
		-								



DOWN												FUL	L SE	CTIC	IANC	LO.	ADS				щ
DOMN					JNNI				1 1 .				ОМОТ								GRADE
	A1		C1	C2		C4		_					L6	L7	L8					L13 L14	
BROADMEADOW TO:		₹>	_	-₹>	₹>	_	₹>	₹>	4004.40	<del>*</del> >	₹>	- ₹	-₹-	₹	-7000	<del>₽</del> >	- ₹	<del></del>	-₹>	4000	₹\$
WOODVILLE JCT ISLINGTON JCT	2	2	2	2	2	2	2	2	4624 42 4624 42											1600	Level
SIGNAL PW4									4624 42											1600	Level
MORANDOO									4624 42											1600	Level
XYZ X/OVER	1	1	1	1	1	2	2	1	4624 42											1600	Level
WARATAH	2	2	2	2	2	2	2	1	4624 42					_						1600	Level
HANBURY JCT BOX	2	2	2	2	2	3	3	1	2414 22	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
WARABROOK X/OVER	1	1	1	1	1	2	2	1	4624 42	274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
KOORAGANG STH	1	1	1	1	1	1	1	1	4624 42											1600	DG
KOORAGANG NTH	1	1	1	1	1	1	1	1	4624 42											1600	Level
HEXHAM	4	4	5	5	5	5	6	4	4624 42											1600	Level
THORNTON	3	4	5	5	5	5	6	3	2414 22											820	1:80
MAITLAND	6	6	8	9	9	10	13	6	2414 2											820 1326	1:80
TELARAH MINDARIBBA	7	7	- 8	- 8	8	10	11	9	3855 35 2414 23										1900	820	1:153
PATERSON	8	9	9	9	9	10	11	10	2414 2								1372			820	1:80
KILBRIDE	8	9	9	10	10	14	15	9	2414 2								1372			820	1:80
WALLAROBBA LOOP	11	12	14	15	16	20	21	9	2414 2								1372			820	1:80
DUNGOG	9	10	10	10	10	11	12	12	2414 2							$\overline{}$				820	1:80
MONKERAI	9	11	11	14	15	19	21	12	2414 2							_	$\overline{}$			820	1:80
STROUD ROAD	14	15	15	16	16	19	20	13	2414 2						_			_		820	1:80
Weismantels (F)	8	9	9	10	11	15	16	11	2414 2	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
CRAVEN	12	12	13	15	16	22	25	13	2414 22	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
BERRICO	10	10	11	11	11	12	13	11	2414 22	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
GLOUCESTER	7	7	7	7	8	9	8	8	2414 2	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
BULLIAC	14	15	15	15	15	16	17	18	2414 22	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
BUNDOOK	10	11	11	12	13	14	15	12	2414 2		=		$\overline{}$	$\overline{}$						820	1:80
MT GEORGE	7	7	8	8	8	9	9	8			_	2363	$\overline{}$							984	1:100
KILLAWARRA	17	17	18	18	18	21	23	18	2414 22		_	_	_				1372			820	1:80
WINGHAM	5	5	5	5	5	5	5	8	2512 2		-									854	1:83
TAREE	12	12	12	13	13	13	13	13	2414 2	_		_								820	1:80
MELINGA Cooperack (E)	9	15 9	15 9	15 9	15 9	17 9	19 9	14	2414 22 2791 2			_				1650				952	1:80
Coopernook (F) JOHNS RIVER	12	12	13	13	13	14	16	12	2414 2											820	1:80
KENDALL	13	13	13	13	13	15	17	15	2990 2											1022	1:106
KEREWONG	12	13	14	15	16	19	22	14	2414 2	_							1372			820	1:80
WAUCHOPE	7	7	8	8	8	8	9	8				2363								984	1:100
TELEGRAPH POINT	15	15	16	17	17	18	20	16				1976								820	1:80
KUNDABUNG	9	10	11	11	11	13	14	11	2414 2	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
KEMPSEY	15	16	17	17	17	21	23	18	2414 22	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
TAMBAN	12	13	14	14	15	17	18	16	2414 2	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
EUNGAI	14	15	16	17	18	21	24	15	2414 2	227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
MACKSVILLE	14	14	15	15	15	16	16	16	2414 22												1:80
NAMBUCCA HEADS	12	13	13	14	14	17	19		2414 2												1:80
RALEIGH	18	18	19	19	19	21	23	17	2414 22												1:80
BONVILLE	9	10	10	11	11	13	15	10	2414 22												1:80
BOAMBEE BEACH	8	8 17	8	8	8	9	10	9	2881 20												1:100
Landrigans (F)	13	17	18	21	23	32	36	16	2414 2												1:80
CORAMBA NANA GLEN	10	9	9	9	10	10	11	8 11	2881 26 2414 22												1:100
GLENREAGH	11	11	11	11	11	12	13	11	2414 2												1:80
KUNGALA	10	10	11	11	11	13	14	10	2414 2												1:80
BRAUNSTONE	14	15	16	17	18	21	22	15	2414 2											820	1:80
GRAFTON CITY	12	12	12	12	12	14	15	14a	2414 2												1:80
GRAFTON	5a	5a	5a	5a	5a	5a	6a	4a	4624 42											1600	Level
KYARRAN	12	12	13	13	14		18	14	2080 11											693	1:66
LAWRENCE ROAD	24	27	29	32	34		45	24	2080 1	894	1789	1678	1479	1444	1322	1204	1163	1035	994	693	1:66
Banyabba (F)	2	3	3	3	3		4	4	2881 26											984	1:100
CAMIRA CREEK	11	11	12	12	12		13	11	2080 1											693	1:66
RAPPVILLE	17	17	18	19	19		23	17	2080 1											693	1:66
LEEVILLE	12	13	13	14	14		17	13	2080 11											693	1:66
CASINO	10a	10a	11a	11a	11a		12a	10a	2881 26											984	1:100
KYOGLE LOOP	28a	30a	30a	32a	33a		45a	29a	2080 11						_					693	1:66
LOADSTONE	24a	25a	26a	28a	30a		47a	25a	2080 11											693	1:66
GLENAPP	30a	36a	37a	43a	46a		61a	30a	2080 11											693	1:66
BROMELTON	34a	35a	39a 22a	40a	41a		44a	38a	2080 18											693	1:66
GREENBANK ACACIA PIDGE	17a	18a			23a 19a		27a	21a	2080 11											693 693	1:66
ACACIA RIDGE	15a	16a	18a	18a	198		22a	16a	2080 Ti	JJ4	1109	10/0	14/9	1444	1322	1204	1103	1033	334	093	1:66

(F) = Follow on station. No crossings.



Ū	JP	LOCO-		LC	COMOTIVE	ES		TRAIN	DATA	
LO	DADS & CONDITIONS	MOTIVE	SINGLE	DOUBLE	TRIPLE	QUAD	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES
	SECTIONS	CLASS = L		10	ADS TONN	FS.		CLASS	HIMES	
_	ACACIA RIDGE – BROADMEADOW	L2	1000	2000	3000	4000		Α	A1	
2	ACACIA RIDGE – BROADMEADOW	L7	735	1470	2205	2940		Α	A1	
3										
4	ACACIA RIDGE – BROADMEADOW	L2	1500	3000	4500	6000		AB	B1	
5	ACACIA RIDGE – BROADMEADOW	L3/L4/L7	970	1940	2910	3880		AB	B1	
6	ACACIA RIDGE – BROADMEADOW	L9/L10	610	1220	1830	2440		AB	B1	
7	ACACIA RIDGE – BROADMEADOW	L12	550	1100	1650	2200		AB	B1	
8	ACACIA RIDGE – BROADMEADOW	L13	250	500	750	1000		AB	B1	
9	ACACIA DIDOE DDOADNEADOW	L2	4000	2000	4000	0400		4005		
	ACACIA RIDGE – BROADMEADOW		1600	3200	4800	6400		ABCE	C1	
11	ACACIA RIDGE – BROADMEADOW	L3/L4/L7	1160	2320	3480	4640		ABCE	C1	
12	ACACIA RIDGE – BROADMEADOW	L9/L10	740	1480	2220	2960		ABCE	C1	
13	ACACIA RIDGE - BROADMEADOW	L12	660	1320	1980	2640		ABCE	C1	
15	ACACIA RIDGE – BROADMEADOW	L13	300	600	900	1200		ABCE	C1	
16	ACACIA RIDGE – BROADMEADOW	L2	1850	3700	5550	7400		ABCE	C2	
17	ACACIA RIDGE – BROADMEADOW	L3/L4/L7	1400	2800	4200	5600		ABCE	C2	
18	ACACIA RIDGE - BROADMEADOW	L9/L10	900	1800	2700	3600		ABCE	C2	
19	ACACIA RIDGE - BROADMEADOW	L3/L10	750	1500	2250	3000		ABCE	C2	
20	ACACIA RIDGE – BROADMEADOW	L13	375	750	1125	1500		ABCE	C2	
21	NONOIT TUBBLE - BROADWEADOW	10	0,0	700	1120	1000		ADOL	02	
22	ACACIA RIDGE – BROADMEADOW	L2	2050	4100	6150	8200		ABCE	C3	
23	ACACIA RIDGE – BROADMEADOW	L3/L4	1500	3000	4500	6000		ABCE	C3	
24	ACACIA RIDGE – BROADMEADOW	L9/L10	980	1960	2940	3920		ABCE	C3	
25	ACACIA RIDGE – BROADMEADOW	L12	870	1740	2610	3480		ABCE	C3	
26	ACACIA RIDGE – BROADMEADOW	L13	415	830	1245	1660		ABCE	C3	
27										
28	GRAFTON - BROADMEADOW	L2	2414	4828	7242	9656		ABCE	C4	
29	GRAFTON - BROADMEADOW	L3	2227	4454	6681	8908		ABCE	C4	
30	GRAFTON - BROADMEADOW	L4	2104	4208	6312	8416		ABCE	C4	
31	GRAFTON - BROADMEADOW	L5	1967	3934	5901	7868		ABCE	C4	
32	GRAFTON - BROADMEADOW	L6	1743	3486	5229	6972		ABCE	C4	
33	GRAFTON - BROADMEADOW	L7	1699	3398	5097	6796		ABCE	C4	
34	GRAFTON - BROADMEADOW	L8	1561	3122	4683	6244		ABCE	C4	
35	GRAFTON - BROADMEADOW	L9	1422	2844	4266	5688		ABCE	C4	
36	GRAFTON - BROADMEADOW	L10	1372	2744	4116	5488		ABCE	C4	
37	GRAFTON - BROADMEADOW	L11	1224	2448	3672	4896		ABCE	C4	
38	GRAFTON - BROADMEADOW	L12	1175	2350	3525	4700		ABCE	C4	
39	GRAFTON - BROADMEADOW	L13	600	1200	1800	2400		ABCE	C4	
40										
41	ACACIA RIDGE – BROADMEADOW	L13	693	1386	2079	2772		ABCE	C5	



UP		ECTI	ONA	u pi	ININI	NC T	TIME		FULL SECTIONAL LOADS	핌
<b>.</b>	A1	B1			UNNI				LOCOMOTIVE CATEGORIES = L  L1   L2   L3   L4   L5   L6   L7   L8   L9   L10   L11   L12   L13   L14	GRADE
ACACIA DIDOE	A. ₽þ	₽\$	V.	- <del>7</del> 0-	<b>₽</b>	U-F	₽.	-0€0		
ACACIA RIDGE GREENBANK	16a	18a	21a	22a	23a		32a	15a		1:66
BROMELTON	17a	18a	20a	21a	21a		25a	16a		1:70
GLENAPP	33a	35a	39a	41a	42a		63a	32a		1:66
LOADSTONE	27a	33a	34a	38a	40a		58a	26a		1:66
KYOGLE LOOP	24a	24a	25a	25a	25a		25a	23a	a 3587 3314 3134 2949 2607 2535 2342 2133 2055 1841 1766 1232 1:	1:137
CASINO	27a	28a	29a	29a	29a		32a	25a	a 2055 1894 1789 1678 1479 1444 1322 1204 1163 1035 994 693 1	1:66
LEEVILLE	9	9	9	9	10		11	9		1:77
RAPPVILLE	12	13	15	15	15		20	12		1:66
CAMIRA CREEK	15	15	16	16	16		20	15		1:66
Banyabba (F)	11	12 5	13 5	14 6	14		19 8	11		1:66
LAWRENCE ROAD KYARRAN	22	23	24	26	27		32	20		1:113 <b>1:66</b>
GRAFTON	13a	13a	13a	14a	14a		16a	12a		1:66
GRAFTON CITY	3	3	3	3	3		3	3		Level
BRAUNSTONE	14	18	18	20	22	25	33	12		1:80
KUNGALA	16	16	18	18	19	19	20	15		1:90
GLENREAGH	9	9	10	10	11	11	14	9		1:80
NANA GLEN	11	11	11	11	11	12	16	11	2990 2760 2609 2453 2167 2109 1944 1770 1707 1526 1465 1022	1:105
CORAMBA	10	11	11	11	12	13	17	11		1:107
Landrigans (F)	8	8	8	8	9	10	15	8		1:114
BOAMBEE BEACH	14	14	14	14	14	14	15	13		Level
BONVILLE	6	6	7	7	7	7	8	6		Level
RALEIGH	9	9	10	10	11	11	15	8		1:80
NAMBUCCA HEADS	17	17	18	18	19	19	21	16		1:80
MACKSVILLE	12	13	13	13	14	15	19	11		1:80
EUNGAI	16	16	16	16	17	18	24	16		1:133
TAMBAN KEMPSEY	12	13	13	14	14	15 16	18 19	12 13		1:129 1:85
KUNDABUNG	15	15	15	16	16	17	21	14		1:80
TELEGRAPH POINT	11	11	13	13	13	13	16	10		1:162
WAUCHOPE	13	14	14	15	15	16	19	13		1:127
KEREWONG	7	7	8	8	8	9	12	7		1:117
KENDALL	12	12	12	13	13	13	16	11		1:190
JOHNS RIVER	15	15	15	15	15	15	19	15	4624 4274 4044 3809 3369 3274 3033 2761 2658 2386 2288 1600	1:201
Coopernook (F)	10	10	11	11	11	11	14	10	4337 4008 3792 3571 3158 3069 2840 2687 2491 2235 2143 1496	1:178
MELINGA	10	10	10	10	11	11	13	10	3679 3398 3214 3025 2674 2600 2404 2188 2108 1889 1812 1264	1:143
TAREE	12	12	12	12	13	13	16	11		1:80
WINGHAM	11	11	11	11	11	12	14	10		1:101
KILLAWARRA	7	8	8	9	9	11	15	7		1:80
MT GEORGE	15	15	16	16	17	18	22	14		1:81
BUNDOOK	7	7	8	8	8	8	13	7		1:82
BULLIAC	11	13	13	15	14	15	20	11		1:85
GLOUCESTER BERRICO	7	14 8	14	15 8	15 9	17 10	14	7		1:80
CRAVEN	10	11 1		12	12	13	17	11		1:89
Weismantels (F)	10	11	11	11	11	11	11	11		DG
STROUD ROAD	10	11	11	11	11	11	13	10		1:84
MONKERAI	12	15	16	18	20	23	31	11		1:80
DUNGOG	9	9	9	9	9	9	9	9		DG
WALLAROBBA LOOP	11	11	11	12	12	12	14	11	2946 2720 2571 2363 2135 2079 1915 1744 1681 1503 1443 1007	1:102
KILBRIDE	9	10	10	11	12	13	18	9	2414 2227 2104 1976 1743 1699 1561 1422 1372 1224 1175 820 1	1:81
PATERSON	8	8	9	9	9	9	9	8	3300 3047 2882 2711 2395 2330 2150 1959 1887 1689 1621 1131	1:122
MINDARIBBA	8	9	9	9	9	9	10	8		1:83
TELARAH	8	8	- 8	- 8	9	10	11	7		1:97
MAITLAND	2	2	2	2	2	2	2	2		Level
THORNTON	7	8	8	8	8	8	10	7		1:105
HEXHAM	4	4	5 5	5	5	5	5	4		1:103
KOORAGANG NTH KOORAGANG STH	1	1	1	5 1	5 1	5 1	5 1	1		Level 1:100
WARABROOK X/OVER	1	1	1	1	1	1	1	1		1:90
HANBURY JCT	1	1	<u></u>	<del>'</del>	<del>-</del>	<del>-</del>	<del>-</del>	1		1:100
WARATAH	1	1	1	1	1	1	2	1		Level
XYZ X/OVER	1	1	1	1	1	1	1	1		Level
Sig PW2	<u> </u>									Level
OIU FYYZ										Level
MORANDOO										
	1	1	1	1	1	1	1	1		Level
MORANDOO	1	1	1	1	1	1	1	1	4624 4274 4044 3809 3369 3274 3033 2761 2658 2386 2288 1600 L	

(F) = Follow on station. No crossings.



## Location of Speed signs

LOCATION	KILO- METRAGE	DO\ NORM		UI NORM		LOCATION	KILO- METRAGE	DO!		UF NORM	
DDOADHEADOW	400.005						400.000	VOE			
BROADMEADOW	162.935						192.900 192.950	X25	85	 X25	 X25
	163.600			95	100		193.200	80	85		
	163.670	X30	X30	X30	X30		194.565	X25	X25		
WOODVILLE JUNCTION	163.685	7,00	7.00	7,00	7.00	TELARAH	194.739	7,20	7,20		
WOODVILLE JUN BOX	163.690						194.890	80	85		
WOODVILLE GON DOX	100.000						197.330	110	110	80	85
	163.910	40	45	X30	X30		199.630			110	110
	164.000			40	40		199.880	70	75		
	164.310	X25	X25	40	40		200.260			70	75
	164.410			X25	X25		200.520	80	85		
ISLINGTON JUN BOX	164.647					MINDARIBBA	203.462				
	164.710	115	120				204.830			80	85
WARATAH	165.964						205,090	70	75		
							206.570			70	75
	166.840			115	150		206.870	90	95		
HANBURY JUN BOX	167.934						210.400	70	75	90	95
WARABROOK	168.685						210.940			70	75
							211,250	80	85		
	168.090	80	90	90	110	PATERSON	213.224				
	170.110	115	120	80	90						
SANDGATE	170.509						213.340	75	80	80	85
	474.000	445	100	445	450		214.000	115	125	75	80
	171.600	115	160	115	150		216.080	110	445	115	125
HEXHAM	175.000 175.530			115	160		216.380 216.940	110	115	110	115
HEARAIN	175.550						217.200	75	80	110	110
	175.725			85	90		217.930	-7.0		75	80
	176.800	115	150				218.200	80	85		
TARRO	178.178		100			MARTINS CREEK	218.532				
						Quarry Siding	219.176				
	179.290			115	150						
BERESFIELD	179.806						219.700			80	85
							219.960	65	70		
	180.070			95	105		220.980			65	70
	181.750	115	130				221.290	115	125		
THORNTON	182.194						222.900		110	115	130
	183.000	115	450			KILBRIDE	223.100	105	110		
	184.960	115	150			KILBRIDE	223.472				
METFORD	185.117	110	110				224.530			105	110
	100.171					-	224.820	75	80		
	185.800			115	160	Hilldale	226.372				
	186.540			115	140						
	186.800			115	115		227.140			75	80
	187.550	95	105				227.420	70	75		
	187.690			95	100		228.330			70	75
VICTORIA STREET	187.919						228.630	80	85		
							231.250			80	85
	188.150			80	85		231.550	95	100		
EAST MAITLAND	188.831					WALLAROBBA	231.673				
	189.350	100	110				233.020			95	100
	191.400	90	105				233.400	70	75	90	
HIGH STREET	191.409		.00			WALLAROBBA LOOP	234.000		1.0		
	192.200			90	95		235.350			70	75
	192.225	X25	X25				235.600	115	120		
	192.280	X15	X15				236.700			115	120
	192.293			X25	X25						
MAITLAND	192.548										



METRAGE NORM YET NO	LOCATION	KILO-	DO		U		LOCATION	KILO-	DO	WN	U	P
238,850		METRAGE	NORM	XPT	NORM	XPT		METRAGE	NORM	XPT	NORM	XPT
238,850		237.000	70	75			* On Loop	324.833	X40*	X40*	40*	40*
241.300												
241.620			75	85					55	60		
DUNGOG 242-100 110 115 BUNDOK 333.4.992												
DUNGO  242.400												
DUNGOG   245-199							BUNDOOK		10	10		
245,300	DUNGOG	245.199										
245,470   65   70		045.000			440	445						
245.830												
246.200 105 115 331.860 7 75 341.800 70 75 75 341.800 70 75 75 341.800 70 75 75 341.800 70 75 75 341.300 95 100												
## Add ##								338.840				
MONKERAI  254.091  254.090  266.545  274.780  275.909  100  105  105  105  105  105  105					105	115					70	75
STROUD ROAD							MT CEORCE		95	100		
STROUD ROAD    266,545	MONKERAL				7.0	70	MT GEORGE	342,110				
STROUD ROAD  260.900 65 75  260.545  274.780 70 75  277.900 100 105  277.000 100 105  277.000 100 105  277.310 105 115  278.300 105 115  278.540 775  280.300 70 75  280.700 80 85  280.300 80 85  283.150 70 75  285.830 70 75  285.830 70 75  285.830 70 75  285.840 70 75  287.840 75 80  297.940 85 70  290.900 65 70  291.780 X35  290.910 80 80  291.780 X35  290.301 fb 120 80 80  291.780 X35  290.900 65 70  291.780 X35  291.780 X35  290.790 65 70  291.780 X35		20-11011						343.300			95	100
## 274,780					65	75						
WEISMANTELS  WEISMANTELS  WEISMANTELS  WEISMANTELS  WEISMANTELS  278.300	STROUD ROAD				70						80	90
WEISMANTELS  WEISMANTELS  277.310 105 115 100 105 278.109 110 115 278.300 105 115 349.050 70 75 349.050 70 75 349.050 70 75 350.500 80 90 70 75 350.500 80 90 70 75 350.500 80 90 70 75 350.500 80 90 70 75 350.500 80 90 70 75 350.500 80 90 80 85												
WEISMANTELS  278.109  278.300 105 115  278.300 105 115  278.300 105 115  278.300 105 115  280.300 80 85 380.800 100 110 80 80  280.700 80 85 381.800 100 110  280.700 80 85 80 85  283.150 80 85  283.270 70 75 80 85  283.270 70 75 80 85  288.300 70 75 80 85  288.300 70 75 70 75  288.850 70 75  288.850 70 75  288.850 70 75  288.850 70 75  287.640 76 80  287.940 65 70 85  290.990 85 70  290.991 85 70  290.731 115 120  290.731 115 120  291.760 X35 80 80  291.760 X35												
278,300								347.080				
278.300 105 115 280.500 80 90 275 350.500 80 90 280.500 70 75 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 100 110 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 70 75 351.800 100 110 359.460 359.311 80 80 80	WEISMANTELS	278.109									70	75
278.540		070 200			405	445						
280.390												
280,700   80   85												
283.150 80 85 283.270 70 75 283.270 70 75 285.850 70 75 286.130 75 80 287.940 65 70 290.990 65 70 290.517  291.760 X35 292.760 X35			80	85					70			
283.270 70 75 85 90 285.850 70 75 286.130 75 80 353.310 85 90 287.640 75 80 287.940 65 70 357.715 70 75 290.090 65 70 290.730 115 120 85 90  291.760 X35												75
285.850 70 75 286.130 75 80 75 80 287.640 75 80 357.840 100 110												
286.130 75 80 75 80 75 80 357.715 70 75 80 357.840 100 110 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 359.840 100 110 359.690 70 75 360.273												
287.940   65   70												
CRAVEN  290.030					75	80			100	110		
290.730   115   120			65	70								
*On Loop Jun			115	120	00	70	KII I AWARRA		70	70		
Stratford Ball Loop Jun  291,760	CRAVEN		110	120			1416-6-7447-14147	000.210				
Stratford Ball Loop Jun   291,843   364,380       70   75   365,900       65   70   366,190   60   65         60   65       60     65       65       65       65       65       65       65       65       65       65       65       65       65       65         65         65       65       65       65       65       65       65       65       65       65       65       65       65       65       65         65           65							* On Loop		X40*	X40*		
292.060 115 120 292.360 80 80 293.110 80 80 293.400 15 125 295.960 115 125 296.240 70 75 297.250 70 75 297.250 75 80 300.000 70 75 299.700 75 80 300.000 70 75  299.700 75 80 300.000 70 75  299.700 75 80 300.000 70 75  373.400 100 125 373.400 100 125 373.400 100 125 375.060 70 75 100 125 376.400 75 85 320.160 665 70 320.410 60 65 321.860 60 65 322.150 70 75	04-46-48-44		X35									
292.360	Stratford Ball Loop Jun	291.843										
292:360 80 80 80 80 293.110 80 80 293.400 115 125 295.960 115 125 297.250 70 75 297.500 75 80 299.700 75 80 300.000 70 75 300.000 70 75 300.887  BERRICO 301.887  GLOUCESTER 309.276 314.610 70 75 314.910 65 70 320.160 65 70 320.410 60 65 321.860 60 65 322.150 70 75		292,060			115	120						
293.400 145 125 295.960 115 125 297.250 70 75 297.500 75 80 299.700 75 80 300.000 70 75 373.400 100 125 373.400 100 125 375.060 70 75 100 125  GLOUCESTER 309.276 314.910 65 70 314.910 65 70 320.410 60 65 320.410 60 65 321.860 60 65 322.150 70 75		292.360	80	-80			WINGHAM					
295.960 115 125 296.240 70 75					80	80						
296.240   70   75         370.990       70   75           371.290   80   85                         372.900   50   50												
297.250												
297.500   75   80         372.900   50   50												
BERRICO 301.887		297.500	75	80				372.900	50	50		
BERRICO 301.887 373.400 100 125												
GLOUCESTER 309.276 376.40070 75 314.61070 75 376.700 75 85 376.700 75 85 322.150 70 75 60 65 322.150 70 75	RERRICO		70	70								90
GLOUCESTER 309.276 314.610 70 75 376.400 70 75 314.910 65 70 65 70 320.410 60 65 60 65 322.150 70 75	BLRRIOO	50 1.007										125
314.910     65     70         320.160       65     70       320.410     60     65         321.860       60     65       322.150     70     75	GLOUCESTER	309.276						376.400				
320.160 65 70 320.410 60 65 321.860 60 65 322.150 70 75					70	75			75	85		
320.410 60 65 321.860 60 65 322.150 70 75								377.770			75	85
<b>321.860</b> 60 65 <b>322.150</b> 70 75												
<b>322.150</b> 70 75												
BULLIAC 324.024		322.150	70									
	BULLIAC	324.024										



LOCATION	KILO- METRAGE		WN XPT	U NORM		LOCATION	KILO- METRAGE	DOV NORM		UF NORM	
	378.000	65	70				433.765			70	75
TAREE	378.602						433.820	80	85		
	070 770		0.5				435.450	70		80	85
	378.770	55	65	 EE	GE.		435.730	70	75	70	75
	379.140 379.400	70	75	55	65		436.330 436.600	95	105	70	75
-	379.600		-/	70	75		437.900			95	105
	379.900	75	85				438.100	70	75		
	381.860			75	85		438.830			70	75
	382.100	100	110				439.130	90	100		
	384.890			100	110		441.380			90	100
	385.120	80	85				441.670	70	75		
_	385.340			80	85	KEREWONG	446.033				
	385.640	70	75								
Lansdowne Eng Sdg	387.872			70	7.5		449.130		405	70	75
	388.760 388.960	90	95	70	75		449.430 449.870	95	105	95	105
	390.030		90	90	95		450.000	115	140		
	390.350	65	70				452.100	110		115	140
	391.610			65	70		452.350	115	120		
-	391.860	100	110				454,350	100	100	115	120
MELINGA	392.267					WAUGHOPE	455.005				
	393.970			100	110		455.250	115	120	100	100
	394.190	80	85				459.550			115	120
	395.110			80	85		459.850	80	85		
-	395.400	70	75				461.400			80	85
	402.800 403.550				75 70		461.700 461.980	70	75	70	75
COOPERNOOK	403.555				7.0		462.290	105	115		70
OOO! EIMOON	700.000						463.500			105	115
	407.550			70	75		463.850	90	100		
-	407.850	80	85				464.340			90	100
	408.570			80			465.180	85	95		
	408.870	105	110				466.980			85	95
	411.630			105	110		467.250	70	75		
	411.930	85	90				471.310			70	75
	412.740	70		85	90		471.650	80	90		
-	413.040 413.480	70	75	70	75	TELEGRAPH POINT	472.400 472.470			80	90
	413.780	90	95		75	TELEGRAPH POINT	412.410				
	414.730		33	90	95		472.700	115	125		
	415.030	95	105				485.150			115	125
	415.940	X25	X35				485.450	105	115		
*On Loop	416.020	25*	35*	X25*	X35*	KUNDABUNG	487.197				
JOHNS RIVER	417.801										
							487.920	90	95	105	115
*On Loop	417.980	X25*	X35*	25*	35*		488.340	70	75		
	418.050			X25	X35		491.860			70	75
	419.150	70	75	95	105		492.080	75	85	75	0.5
	419.490 421.310	70	75	70	75		494.000 494.170	70	75	75	85
	421.500	70	80		-75		495.780			70	75
-	423.260			70	75		496.000	80	85		
	423.460	70	75				497.300			80	85
	424.690			70	75		497.620	70	75		
	424.970	80	90				499.820			70	75
	427.140			80	90		500.120	80	90		
	427.420	70	75				502.010			80	90
KENDALL	433.011						502.220	65	75		



LOCATION	KILO- METRAGE		WN XPT	U NORM		LOCATION	KILO- METRAGE	DO'		UI NORM	
	502.820			65	75	NAMBUCCA HEADS	565.082				
	503.100	80	85								
KEMPSEY	503.572						566.330			75	80
							566.700	80	90		
	503.600			80	85		568.160	70		80	90
* 0 = 1 = = =	505.000	80	90	408	40*		568.400	70	75		
* On Loop	505.130 505.210		X40*	40* X40	X40		568.920 569.060	50 70	50 75		
	510.540			80	90		569.630			70	75
	510.900	115	160				569.870	80	85		
	513.560			115	160		573.400			80	85
	513.800	115	125				573.650	70	75		
	516.500			115	125		574.090			70	75
	516.800	80	90				574.600	100	100		
	517.000			80	90		576.080	115	115	445	445
TAMBAN	517.300 520.562	70	75			URUNGA	579.100 580.918	90	95	115	115
IAMBAN	520.502					URUNGA	300.310				
	521.520			70	75		581.200			90	95
	521.850	75	85				581.460		75		
	522.500			75	85		581.800			70	75
	523.000	105	115				582.050	80	85		
	525.200			105	115		582.500			80	85
	525.470	80	85				582.800	100	105		
	525.790	70		80	85		584.290			100	105
	526.070	70	75	70	75		584.660 584.900	85	95	0.5	95
	530.460 530.800	75	85	70	70		585.260	115	120	85	90
	532.150			75	85	RALEIGH	586.455	110	120		
	532.450	70	75				000.100				
	534.400			70	75		587.810			115	120
EUNGAI	534.556						588.100	70	75		
							593.570			70	75
	534.600	60	65			2011/11/15	593.890	100	110		
	535.050 535.300	70	75	60	65	BONVILLE	596.494				
	536.400			70	75		598.000			100	110
	536.700	105	115		7.5		598.310	80	90		
	538.270			105	115		598.880			80	90
	538.510			70	75		599.200	95	100		
	538.510			70	75	SAWTELL	600.668				
	538.530	70	75								
-	538,690			60	60		600.810			95	100
	542.810			70	75		601.100	80	90		
	543.050	95	100	05	100		602.100	115	1/10	80	90
	545.170 545.560	70	75	95	100	BOAMBEE BEACH	602.400	115	140		
MACKSVILLE	552.418	10	, ,			DOAWDLL BLAGII	000.730				
	002.710						606.800			115	140
	553.500			70	75		607.130	70	80		
	553.800	80	85				607.550	100	100	70	80
	555.500			80	85	COFFS HARBOUR	607.814				
	555.790	70	75				040			400	400
	558.500	60	60	70	75		610.650			100	100
	558.950	90		60	60		611.130	80	85	90	95
	559.230 560.050	80	85	80	85		611.330 611.500	65	70	80	85
	560.030	70	75				619.500		7.0	65	70
	563.480	X40	X40			LANDRIGANS	619.709				
* On Loop	563.560	40*	40*	X40*	X40*						
	564.470			70	75		619.870	60	65		
	564.800	75	80				620.260			60	65



LOCATION	KILO-	DO	WN	U	P	LOCATION	KILO-	DO	NN	U	P
	METRAGE						METRAGE				
	620.600	65	70				705.580	60	65		
CORAMBA	627.960						705.920			60	65
	0211000						706.200	90	95		
	630.740			65	70		707.870			90	95
	631.000	80	90				708.050	70	75		
	632.080			80	90			80		70	75
		70	75				708.800		90		
	632.940	70	75	70			712.750	70	75	80	90
	639.000			70	75	KVADDAN	713.140	70	75		
NAME OF THE	639.357	60	65			KYARRAN	713.636				
NANA GLEN	639.529										
							714.570			70	75
	639.980	80	95	60	65		714.750	80	85		
	641.990	70	75	80	95		717.710			80	85
	646.860			70	75		719.900			70	75
	646.960	85	90				720.180	80	85		
	648.100			85	90		721,070			80	85
	648.390	70	75				722.390	90	95		
	651.240			70	75		723.140			90	95
	651.540	115	120				723.420	60	65		
*When loop is occupied	651.590			70*	75*		723.820			60	65
*When loop is occupied	651.700			40*	40*		724,100	80	85		
GLENREAGH	651.881			10			724.750			80	85
OLLITTUTOTT	001.001						725.290	90	95		
	653.400			115	120		726.860			90	95
	654.000	80	85				727.020	80	85		
	662.470			90	85					80	0.5
	662.770	445	105	80			728.350	70	75		85
KIINOALA		115	125				728.650	70	75		
KUNGALA	664.460						732.990	4.45	4.40	70	75
	005.500			445	405		733.290	115	140	445	4.40
	665.520			115	125		735.970			115	140
	665.910	80	85				736.250	100	110		
	668.180			80	85	LAWRENCE ROAD	738.660				
	668.560	115	115								
	670.960			115	115		738.920			100	110
	671.320	80	85				739.220	90	100		
	674.130			80	85		739.560			90	100
	674.500	115	125				739.900	100	105		
	679.680			115	125	BANYABBA	742.866				
	680.250	80	85								
	682.500	•		80	85		743.200			100	105
BRAUNSTONE	683.269						743.460	70	75		
							744.000	80	85	70	75
	683,270	70	75	70	70		744.630			80	85
	683.770	80	85	70	75		744.950	100	105		
	687.800			80	85		745.900			100	105
	688.160	70	75				746.270	70	75		
	694.236			70	75		746.820			70	75
	694.617	50	50				747.250	80	85		
	695.420			50	50		747.700	85	90		
GRAFTON CITY				50	50					 0E	
GRAFION CITY	695.748						755.200		0.5	85	90
	606 446	00	OF.	E0.	EO	AANIDA ADEEK	755.600	80	85		
	696.140	60	65	50	50	CAMIRA CREEK	756.505				
	696.500	75	80						0.0		
GRAFTON	698.848						756.900	60	60		
							757.150			80	85
	699.320			75	80		757.220	70	75		
	699.580	115	130				757.310			60	60
	704.000			115	130		757.820	60	65		
	704.450	80	85				758.460	100	105	60	65
	705.300			80	85		758.930			100	105



LOCATION	KILO- METRAGE	DO\ NORM		U NORM		LOCATION	KILO- METRAGE	DO!		UF NORM	
	750 440	4.4.11	100				004 550				0.5
	759.110 761.200	115	120	115	120		834.550 834.770	115	125	60	65
	761.780	80	85		120	KYOGLE LOOP	837.110	110	120		
	763.090			80	85	KIOOLL LOOI	007.110				
	763.330	70	75				838.970			115	125
	764.040			70	75		839.330	80	85		
	764.160	115	125				839.660			80	85
	769.270			115	125		839.940	70	80		
	769.560	80	90				840.520	80	85	70	80
	772.300			80	90		841.530			80	85
	772.600	115	130	445	400		841.850	115	125	445	405
	774.740 775.000	95	100	115	130		846.150 846.350	70	75	115	125
	776.000			95	100		849.500	90	95	70	75
RAPPVILLE	776.226			50	100		850.805			90	95
							850,825	70	75		
	776.396			90	100		859.390			70	75
	776.700	100	105				859.710	60	65		
	781.540			100	105	LOADSTONE	863.440				
	781.840	80	90								
	782.220		100	80	90	NSW/QLD BORDER	875.988				
	782.520	115	130	445	400		005.000			00	O.F.
	786.120 786.410	90	00	115	130		885.060 885.280	65	70	60	65
	787.170	80	90	80	90		886.230		70	65	70
	787.470	115	125				886.550	75	80		
	793.600	115	120	115	125		887.655			75	80
LEEVILLE	793.666					GLENAPP	887.705				
	794.900			115	120		887.760	65	70		
	795.200	110	115				888.950	70	75	65	70
	795.980			110	115		891.660			70	75
	796.240	80	85	00	0.5		891.880	85	90	 0 <i>E</i>	
	800.650 800.800	100	105	80			895.160 895.400	65	70	85	90
	804.090	75	80	100	105		900.990	100	105	65	70
CASINO	805.077	,,,	- 00		100		901.800			100	105
							902.200	115	125		
	806.090			75	80		904.250			115	125
	807.140	70	75				904.650	100	110		
	808.170			70	75		912.980			100	110
	808.400	90	95				913.380	115	120		
Namoona Ballast Siding	809.993				-05	-	919.030	100	110	115	120
	810.200 810.410	 0E		90	95		919.360	445	105	100	110
	812.200	85	90	85	90	Qld Blue Metal Sdg	919.760 922.600	115	125		
	812.540	80	85			Qiù biue metai sug	922.820	100	110	115	125
	814.000			80	85		925.600	90	100	100	110
	814.370	75	80			BROMELTON	931.714				
	816.240			75	80						
	816.480	115	125				929.800	115	125	90	100
	824.040	95	110	115	125		934.850	100	110	115	125
	824.400	70	80	95	110		940.260			100	110
	824.990			70	80		940.540	90	100		100
	825.310	115	125	445	105		941.000	400	440	90	100
	827.830	70	75	115	125		941.270	100	110	100	110
	828.050 828.890	70	75	70	75		945.830 952.210	115	125	100 115	110 125
	829.130	60	65				952.450	90	100		120
KYOGLE	833.798	00					953.880	115	125	90	100
						GREENBANK	955.552				



LOCATION	N _	KILO-	DO	WN_	U	Р
		METRAGE			NORM	XPT
		958.670	95	100	115	125
		962.150			95	100
		962.390	90	95		
		963.450			90	95
		963.820	100	105		
		967.000			100	105
		967.340	90	95		
		971.640	100	105		
		972.160			90	95
ACACI	A RIDGE	974.693				
		Refer to Q				
		between			e and Ro	oma
			St	reet		
_						
R	OMA ST	986.737				

### Station Data

Broadmeadow	162.935	С	Controlled from Broadmeadow SCC	
Woodville Junction	163.690	A	Always_	
Signal Box	103.090	A	Always	
Islington Junction				
Signal Box	164.647	A	Always	
Waratah	165.964			P
Hanbury Junction				
Signal Box	167.934	A	Always	
Warabrook	168.685			Р
Sandgate	170.509			P
Hexham	175.530			P
Tarro	178.178			P
Beresfield	179.806			Р
Thornton	182.194	С	Controlled from Maitland	Р
Vletford	185.117			Р
Victoria Street	187.919			Р
East Maitland	188.831			Р
High Street	191.409			Р
Maitland	192.548	A	Always	Р
Telarah	194.739	C	Controlled from Broadmeadow SCC	P
Mindaribba	203.462	С	Controlled from Broadmeadow SCC	P
Paterson	213.224	С	Controlled from Broadmeadow SCC	P
Martins Creek	218.532	C	Controlled from Broadmeadow SCC	Р
Kilbride	223.472	С	Controlled from Broadmeadow SCC	
Hilldale	226.372			P
Nallarobba	231.673			P
Nallarobba Loop	234.000	С	Controlled from Broadmeadow SCC	
Niragulla	237.972			P
Dungog	245.199	C	Controlled from Broadmeadow SCC	Р
Vlonkerai	254.011	С	Controlled from Broadmeadow SCC	
Stroud Road	266.545	С	Controlled from Broadmeadow SCC	
Veismantels	278.109		Follow on location only	
Craven	290.517	С	Controlled from Broadmeadow SCC	
Stratford Balloon	004.046		One to the different Proceedings of the COO	
Loop Junction	291.843	C	Controlled from Broadmeadow SCC	
Berrico	301.887	C	Controlled from Broadmeadow SCC	
Gloucester	309.276	C	Controlled from Broadmeadow SCC	Р



### Station Data (continued)

Bulliac	324.024	С	Controlled from Broadmeadow SCC	
Bundook	334.492	С	Controlled from Broadmeadow SCC	
Vit George	342.116	C	Controlled from Broadmeadow SCC	
		C	Controlled from Broadmeadow SCC	
Killawarra	360.273			
Vingham	367.055	С	Controlled from Broadmeadow SCC	Р
Taree	378.602	С	Controlled from Broadmeadow SCC	P
_ansdowne				
Engineering Siding	387.872		Release from Broadmeadow SCC	
Vlelinga	392.267	C	Controlled from Broadmeadow SCC	
Coopernook	403.555		Follow on location only	
Johns River	417.801	С	Controlled from Broadmeadow SCC	
Kendall	433.011	С	Controlled from Broadmeadow SCC	
Kerewong	446.033	С	Controlled from Broadmeadow SCC	
Vauchope	455.005	С	Controlled from Broadmeadow SCC	Р
Telegraph Point	472.470	С	Controlled from Broadmeadow SCC	
Kundabung	487.197	С	Controlled from Broadmeadow SCC	
Kempsey	503.572	С	Controlled from Broadmeadow SCC	P
Tamban	520.562	C	Controlled from Broadmeadow SCC	
Eungai	534.556	C	Controlled from Broadmeadow SCC	
Vlacksville	552.418	C	Controlled from Broadmeadow SCC	Р
Nambucca Heads	565.082	C	Controlled from Broadmeadow SCC	P
Jrunga	580.918		001101100111011101111011111011111111111	P
Raleigh	586.455	С	Controlled from Broadmeadow SCC	'
Bonville	596.494	C	Controlled from Broadmeadow SCC	
Sawtell	600.668		Controlled from Broadmeadow CCC	Р
Boambee Beach	606.790	С	Controlled from Broadmeadow SCC	
Coffs Harbour	607.814		Controlled from Broadfileadow 600	Р
_andrigans	619.709	С	Controlled from Broadmeadow SCC	
Coramba	627.960	C	Controlled from Broadmeadow SCC	
	639.529	C	Controlled from Broadmeadow SCC	
Nana Glen		C		
Glenreagh	651.881		Controlled from Broadmeadow SCC	
Kungala	664.460	C	Controlled from Broadmeadow SCC	
Braunstone	683.269	<u>C</u>	Controlled from Broadmeadow SCC	
Grafton City	695.748	C	Controlled from Broadmeadow SCC	Р
Grafton	698.848	С	Controlled from Broadmeadow SCC	
Rocla Sdg				S
Koolkhan	706.750	_	Release from Broad meadow SCC	
Kyarran	713.636	C	Controlled from Broadmeadow SCC	
_awrence Road	738.660	С	Controlled from Broadmeadow SCC	
3anyabba	742.866	C	Controlled from Broadmeadow SCC	
Camira Creek	756.505	C	Controlled from Broadmeadow SCC	
Rappville	776.226	C	Controlled from Broadmeadow SCC	
_eeville	793.666	C	Controlled from Broadmeadow SCC	
Casino	805.077	C	Controlled from Broadmeadow SCC	ISI, P
Namoona Ballast Siding	809.993			ISI, S
Cyogle	833.798			Р
Cyogle Loop	837.110	U	Unattended	· · · · · · · · · · · · · · · · · · ·
oadstone	863.440	Ü	Unattended	
SW/QLD Border	875.988	3 7	OTIGINATION	
	887.705	U	Unattended	
Glenapp Qld Blue Metal Sdg	922.600	U	Unattended	101.0
		11	Unattanded	ISI, S
Bromelton	931.714		Unattended	
Greenbank	955.552	U	Unattended	
Acacia Ridge	973.693		Queensland control	
Clapham	978.743		Queensland control	
Yeerongpilly	979.787		Queensland control	
Brisbane Transit	000 70-			
Centre	986.737		Queensland control	P



### Out-of-gauge steel trains

Out-of-gauge steel trains may operate between Broadmeadow Yards and Clapham subject to the conditions shown for Out-of-gauge steel trains contained in the *General Instruction Pages* section.

- 1. To avoid excessive delays between Telarah and Clapham (Qld) only a train NOT conveying passengers, standing at or proceeding through a block station or interlocking on an adjacent track, may pass or be passed by the special train conveying the Out-of-gauge steel at a speed not exceeding 10 km/hr.
- 2. In exception to the conditions shown in clause 1 between Telarah and Clapham (Qld), the wide Out-of-gauge steel train may pass or be passed by a train conveying passengers or a freight train at a speed not exceeding 25 km/hr at the locations shown below.

### **Broadmeadow to Maitland**

- 1. Between Broadmeadow and crossover 39W Down Main Woodville Junction, the Out-of-gauge steel train on the Down Main and another train on the Up Relief Road may traverse simultaneously.
- 2. Between Islington Junction Signal M102/7 and C102/7 and the Down Main Second Home Signal Maitland, trains may traverse the Up and Down Coal Roads whilst the Out-of-gauge train is traversing the Down Main line.
- 3. Alternatively the Out-of-gauge steel train traversing the Down Coal Road may be passed by trains traversing the Up and Down Main line.

### Telarah to Clapham

Loop line between Signal No 276 and No 299
Island Platform
Loop line
No. 1 and No. 2 Down Reception Siding
Loop line



### Advisory Speedsigns

Special advisory Speedsigns have been positioned approaching signals at the locations shown below. Drivers of trains (except XPT's / EMU's) are required to regulate the speed of their train at such locations to ensure that before reaching the signal indicated the speed is not in excess of that figure shown on the special advisory board. If at any point approaching the signal it is seen to be exhibiting a full clear indication, normal track speed for the train concerned may be resumed.

Location	Signal no	Speed shown on board
172.580	Down Automatic, Hexham (M107.3)	90
172.580	No 56 Down Accept, Hexham (C107.3)	90
175.246	No 12 Up Starting, Hexham (M108.6)	80
175.246	No 11 3rd Up Home, Hexham (C108.6)	80
176.800	Down Automatic, Tarro (M109.9)	80
176.800	Down Automatic, Tarro (C109.9)	80
179.665	Down Automatic (M111.9)	85
179.665	Down Automatic (C111.9)	85
182.080	Up Automatic (M113.0)	90
182.080	Up Starting (C113.0)	90
186.100	Up Automatic (M115.4)	85
186.100	Up Automatic (C115.4)	85
188.636	Up Automatic (M117.0)	75
188.636	Up Automatic (C117.0)	75
190.650	Up Automatic (C118.4)	80
191.530	Up Automatic (C118.8)	80
202.005	Down Distant Mindaribba	65
307.262	Down Distant Gloucester	55
404.953	Up Distant Coopernook	55
506.053	Up Distant Kempsey	70
554.558	Up Distant Macksville	65
681.614	Down Distant Braunstone	70

# **Newcastle Regional Area**

## section 1C

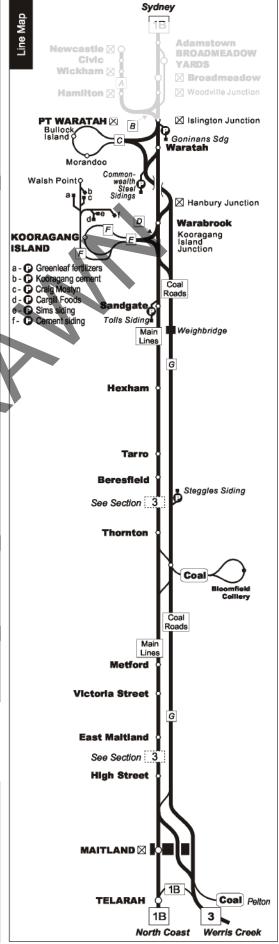


- (a) C class 100 tonne coal hoppers permitted on this line.
- (b) Woodville Junction to Hamilton Junction ONLY

**Broadmeadow to Woodville Junction** 

Woodville Junction to Hamilton Hamilton to Newcastle Hamilton to Islington Junction Islington Junction to Hanbury Junction **Hanbury Junction to Maitland** Islington Junction to Port Waratah Kooragang Isl Jun to Kooragang Island Kooragang Island to Walsh Point

Down and Up Main - Rail Vehicle Down and Up Relief - Rail Vehicle Detection Rail Vehicle Detection Rail Vehicle Detection Yard working





### Location of Speedsigns

## **Broadmeadow to Maitland (via Main)** See SECTION 1B **Broadmeadow to Newcastle**

LOCATION	KILO-	DO	VN	Ui	P
	METRAGE	NORM	XPT	NORM	XPT
BROADMEADOW	162.395				
	163.600			95	100
	163.670	X30	X30	X30	X30
WOODVILLE JUNCTION	163.685				
WOODVILLE JUNCTION	163.690				
SIGNAL BOX					
	163.910	40			
	164.310	X25			
	164.330			40	
	164.410	80		X25	

LOCATION	KILO-	DO	WN	UF	•
	METRAGE	NORM	XPT	NORM	XPT
HAMILTON	164.633				
WICKHAM	165.934				
CIVIC	167.021				
	167.670			80	
	167.750	30			
NEWCASTLE	168.103				

### **Waratah - Maitland Coal Roads**

LOCATION	KILO-	DO	WN	U	Р
	METRAGE	NORM	XPT	NORM	
	164.000	40	45		
WARATAH	165.964				
	166.080	X25	X25		
	166.290			X25	X25
	167.170	40	45		
HANBURY JUNCTION	167.658				
	167.670			40	45
	167.755	100	110		
	168.185			110	110
	168.575	115	135		
	170.000			115	135
	170.340	100	110		
	170.800			100	110
	172.000			20	110
	172.300	40	40		
	172.400			20	20
	172.630			115	120
	172,800	40	160		
	173.900	115	160		
	174.200			115	160
HEXHAM	175.530				
* For Up weighbridge	176.000			*80	160
	176.395			115	160
	177.180	115	140		
					4.40
	177.890			115	140

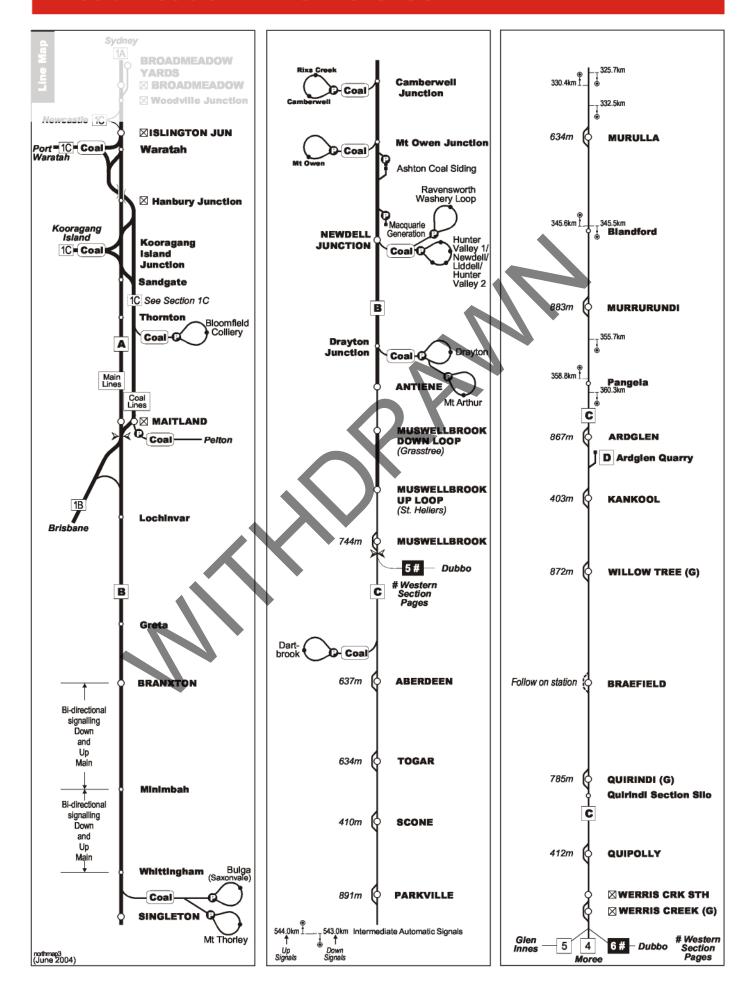
LOCATION	KILO-	DO\			
	NETRAGE	NORM	XPT	NORM	XPT
	178.115	90	95		
	178.390			90	95
	178.520	115	140		
	181.600			115	140
	181.940	65	70		
THORNTON	182.194				
	182.500			65	70
	182.740	115	160		
	185.370	80	80		
	186.200			115	160
	186.640	115	125	80	80
	187.460			100	115
	187.760	95	100		
	188.380			85	95
	188.700	110	115		
	190.600			90	100
	191.800	50	55	110	115
	192.050	X25	X25		
MAITLAND	192.548				
	192.700			50	55
	192.740	25		25	
	192.800	X25			
	193.320	25			
	193.400			50	

### Station Data

		See SEC	TION 1B for details Broadmeadow to Maitland	
Hamilton	164.633	Α	Always	P
Wickham	165.934	Α	Always	Р
Civic	167.021			Р
Newcastle	168.103	Α	Always	Р

# **Broadmeadow - Werris Creek**

## section 3



# **Broadmeadow - Werris Creek**

## section 3

	Maximum Speed of Locomotives and Rolling Stock															
Paler Con Sicono	Branch Chock 75	Matter Com.	Moderal Moderal		Miswell of Walk	Apoc Cook	Į,		BOOK TONE		Waller Wall Waller		Miswell of Work	And Cook	Moles Oueny Star	•
Class of Track	1	1XC	1	1XC	1	s		Class of Track	1	1XC	1	1XC	1	s		
Line Map reference	Α	В	С	D	Е	F		Line Map reference	Α	В	С	D	Е	F		
Locomotiv	es							Freight								
Multiple Locos	4	4	4	4	4	4		Class A	115	115	115	115	115	20		
S1	80	80	80	80	60	N/A	(c)	Class B	100	100	100	100	100	20		
S2	100	100	100	100	100	N/A		Class C	80	80	80.	80	80	20		
S3	115	115	115	115	115	N/A		Class D	65	65	65	65	65	20		
S4	115	115	115	115	115	N/A		Class E	80	80	80	80	80	20		
S5	115	115	115	115	115	20		Class F	65	80	65	80	65	N/A		
S6	115	115	115	115	115	20		Class G	N/A	60	N/A	60	40	N/A	(a,b)	
S7	90	90	90	90	90	20						7				
S8	115	115	115	115	115	20										
S9	115	115	115	115	115	20		Passenge								
S10	115	115	115	115	115	20		XPT	160	160	160	160	160	N/A		
S11	80	80	80	80	80	20		Xplorer	145	145	145	145	145	N/A		
S12	100	100	100	100	100	20		Diesel Train	115	115	115	115	115	N/A		
S13	100	100	100	100	100	20		Loco Hauled	115	115	115	115	115	N/A		
								Accident C	rane							
							<b>《</b>	70 tonne	60	60	60	60	60			
								110 tonne	115	115	115	115	115			
								120 tonne	50	50	50	50	50			
								Notes								

### NOTES:

- (a) Under SECTION E MUSWELLBROOK WERRIS CREEK, G Class vehicles loaded to 120 tonnes, are only permitted to run between Dartbrook Coal loader and Muswellbrook.
- (b) Up Main line Maitland to Hanbury Junction ONLY.)
  (c) Under SECTION E 90 Class locomotives are only permitted to run between Muswellbrook and Dartbrook Coal Loader.

**Broadmeadow to Branxton Branxton to Minimbah** Minimbah to Whittingham Whittingham to Werris Creek South **Werris Creek South to Werris Creek** 

Rail Vehicle Detection Rail Vehicle Detection (Bi - directional) Rail Vehicle Detection (Bi - directional)

Rail Vehicle Detection

Staff and Ticket

NorthMaxspeed03



D	OWN	LOCO-		LC	TRAIN					
LC	DADS & CONDITIONS	MOTIVE CLASS	SINGLE	DOUBLE	TRIPLE	QUAD	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES
	SECTIONS	= L		LO						
1	BRDMEADOW/ MORANDOO - WERRIS CREEK	L2	1300	2600	3900	5200		АВ	B1	
2	BRDMEADOW/ MORANDOO – WERRIS CREEK	L3/L4	970	1940	2910	3880		AB	B1	
3										
4	BRDMEADOW/ MORANDOO- MUSWELLBROOK	L2	1605	3210	4815	6420		ABC	C1	
5										
6	BRDMEADOW/ MORANDOO – WERRIS CREEK	L2	1300	2600	3900	5200		ABC	C2	
7										
8	BRDMEADOW/ MORANDOO – WERRIS CREEK	L3	1200	2400	3600	4800		ABC / *D	C3/ *D1	
9	BRDMEADOW/ MORANDOO - WERRIS CREEK	L4	1131	2262	3393	4524		ABC / *D	C3/ *D1	
10	BRDMEADOW/ MORANDOO – WERRIS CREEK	L5	1056	2112	3168	4224		ABC / *D	C3/ *D1	
11	BRDMEADOW/ MORANDOO – WERRIS CREEK	L6	926	1852	2778	3704		ABC / *D	C3/ *D1	
12	BRDMEADOW/ MORANDOO – WERRIS CREEK	L7	909	1818	2727	3636		ABC / *D	C3/*D1	
13	BRDMEADOW/ MORANDOO – WERRIS CREEK	L8	822	1644	2466	3288		ABC / *D	C3/ *D1	
14	BRDMEADOW/ MORANDOO – WERRIS CREEK	L9	750	1500	2250	3000		ABC / *D	C3/ *D1	
15	BRDMEADOW/ MORANDOO – WERRIS CREEK	L10	725	1450	2175	2900		ABC / *D	C3/*D1	
16	BRDMEADOW/ MORANDOO – WERRIS CREEK	L11	640	1280	1920	2560		ABC / *D	C3/ *D1	
17	BRDMEADOW/ MORANDOO – WERRIS CREEK	L12	615	1230	1845	2460		ABC / *D	C3/*D1	
18	BRDMEADOW/ MORANDOO – WERRIS CREEK	L13	310	620	930	1240	į	ABC / *D	C3/*D1	
19										
20	BRDMEADOW/ MORANDOO – WERRIS CREEK	L13	410	820	1230	1640	į	ABCD	D2	

DOWN											FUL	LSE	CTIC	IANC	L LO	ADS				w
DOWN	SE	CTIONA	AL RU	JNNI	NG	TIME	S				LOC	OMO	IVE C	ATEG	ORIE	S=L				GRADE
	B1	C1	C2	C3	D1	D2	Loco	L1   L2	L3	L4		1	L7	L8	L9		L11	L12	L13  L14	5
BROADMEADOW	₹>	₹.	₹>	₹>	₹.	₹>	₹.	₹.	<b>P</b>	æ	P.	₽>	₽,	₹>	₹>	₹>	₹	₹>	₽,	₹.
WOODVILLE JCT.	2	2	2	2	2	2	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
ISLINGTON JCT	2	2	2	2	2	2	1	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
PT WARATAH								B	₽>	P.	P	₹>	₽>	₽>	₹	₽>	₹	₽>	₹>	Þ
SIG PW81/81								4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
WARATAH								4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
XYZ X/OVER	1	1	1	1	1	1	4	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
WARATAH	2	2	2	2	2	2	1	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
HANBURY JCT	2	2	2	2	2	2	1	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
WARABROOK X/OVER	1	1	1	1	1	1	1	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
K'GANG S'TH JCT	1	1	1	1	4	1	1	4624	4274	4044	3809			3032			2386	2288	1600	DG
K'GANG NTH JCT	1	1	1	1	1	1	1	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
HEXHAM	4	5	5	5	6	6	4	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
THORNTON	4	5	5	5	6	6	4	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
MAITLAND	7	9	8	9	10	11	7	2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
LOCHINVAR	7	9	9	9	11	13	6	2607	2405	2274	2136	1885	1837	1689	1539	1484	1325	1272	887	1:88
GRETA	7	8	7	8	9	11	5	2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
BRANXTON	3	4	4	4	5	5	3	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
MINIMBAH	8	9	9	9	11	13	7	2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
WHITTINGHAM	5	7	7	7	8	8	5	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
SINGLETON	.3	4	4	4	5	5	3	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
CAMBERWELL JCT.	9	11	9	11	12	15	6	2080	1894	1789	1678	1479	1444	1322	1204	1163	1035	994	693	1:67
MT.OWEN JCT.	5	6	6	6	7	7	4	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
NEWDELL JCT.	6	7	7	7	8	8	5	2536	2339	2211	2077	1833	1786	1642	1495	1442	1288	1236	862	1:85
DRAYTON JCT.	9	11	9	11	12	15	7	2080	1894	1789	1678	1479	1444	1322	1204	1163	1035	994	693	1:67
ANTIENE	1	2	2	2	2	2	1	3855	3562	3369	3171	2803	2726	2520	2295	2210	1981	1900	1326	1:150
GRASSTREE	8	10	8	10	11	13	6	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:59
ST HELIERS	3	3	3	3	3	3	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
MUSWELLBROOK	6	6	6	6	6	6	6	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
DARTBROOK JCT	9		9	9	10	10	7	1752	1613	1523	1427	1256	1228	1120	1020	986	875	841	587	1:57
ABERDEEN	3		4	4	5	5	3	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:70
TOGAR	4		5	5	6	7	4	2161	1992	1882	1766	1557	1519	1392	1268	1224	1090	1047	731	1:70
SCONE	6		7	7	8	9	6	3855	3562	3369	3171	2803	2726	2520	2295	2210	1981	1900	1326	1:150
PARKVILLE	10		10	11	11	12	7	3032	2799	2647	2489	2198	2140	1972	1796	1731	1549	1486	1037	1:107
MURULLA	21		21	26	26	33	13	1607	1479	1396	1307	1149	1125	1024	933	902	799	768	536	1:50
MURRURUNDI	11		12	13	15	17	8	2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
ARDGLEN	19		19	24	24	30	12	1304	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
KANKOOL	6		6	6	6	6	6	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
WILLOW TREE	7		7	7	8	8	6	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
#BRAEFIELD	6		7	7	9	9	6	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
QUIRINDI	6		6	7	7	8	5	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:59
QUIPOLLY	7		8	8	10	11	6	1892	1743	1646	1543	1359	1328	1214	1105	1068	949	912	636	1:59
WERRIS CRK STH	7a		7a	8a	9a	10a	6a	1752	1613	1523	1427	1256	1228	1120	1020	986	875	841	587	1:56
WERRIS CREEK	2		2	2	2	2	2	4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
# Follow on location																				

# Follow on location.



UP		LOCO-		LC	TRAIN					
LC	LOADS & CONDITIONS		SINGLE	DOUBLE	TRIPLE	QUAD	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES
	SECTIONS	CLASS = L		LO	ADS TONN	ES		CLAGG	TIVILS	
1	WERRIS CREEK - BRDMEADOW/MORANDOO	L2	1300	2600	3900	5200		AB	B1	
2	WERRIS CREEK - BRDMEADOW/MORANDOO	L3/L4	970	1940	2910	3880		AB	B1	
3										
4	WERRIS CREEK - BRDMEADOW/MORANDOO	L2	1300	2600	3900	5200		ABCE	C1	
5										
6	WERRIS CREEK - BRDMEADOW/MORANDOO	L3	1200	2400	3600	4800		ABCE/*D	C2/*D1	
7	WERRIS CREEK - BRDMEADOW/MORANDOO	L4	1130	2260	3390	4520		ABCE/*D	C2/*D1	
8	WERRIS CREEK - BRDMEADOW/MORANDOO	L5	1056	2112	3168	4224		ABCE/*D	C2/*D1	
9	WERRIS CREEK - BRDMEADOW/MORANDOO	L6	926	1852	2778	3704		ABCE/*D	C2/*D1	
10	WERRIS CREEK - BRDMEADOW/MORANDOO	L7	909	1818	2727	3636		ABCE/*D	C2/*D1	
11	WERRIS CREEK - BROMEADOW/MORANDOO	L8 L9	822 750	1644	2466	3288		ABCE/*D	C2/*D1	
12	WERRIS CREEK - BRDMEADOW/MORANDOO	L10	750	1500 1450	2250 2175	3000 2900		ABCE/*D	C2/*D1 C2/*D1	
14	WERRIS CREEK - BRDMEADOW/MORANDOO WERRIS CREEK - BRDMEADOW/MORANDOO	L10	640	1280	1920	2560		ABCE/*D	C2/*D1	
15	WERRIS CREEK - BRDMEADOW/MORANDOO	L12	615	1230	1845	2460		ABCE/ *D	C2/*D1	
16	WERRIS CREEK - BRDMEADOW/MORANDOO	L13	310	620	930	1240		ABCE/ *D	C2/ *D1	
17	THE TAIL OF LEEK - BILDHILL ABOUT MINOR THE BOOK	10	310	020	300	12-10		AGOLI B	02/ 51	
18	MUSWELLBROOK - BRDMDOW/MORANDOO	L2	2160	4320	6480			ABC	C3	
19	WERRIS CREEK - BRDMEADOW/MORANDOO	L13	410	820	1230	1640		ABCE/*D	C3/ *D2	
20							1			
21	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L3	2111	4222	6333	-:/	1	ABCE/*D	C4/*D3	1
22	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L4	1995	3990	5985	41		ABCE/*D	C4/*D3	1
23	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L5	1872	3744	5616			ABCE/*D	C4/*D3	1
24	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L6	1651	3302	4953			ABCE/*D	C4/*D3	1
25	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L7	1610	3220	4830			ABCE/*D	C4/ *D3	1
26	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L8	1478	2956	4434			ABCE/*D	C4/*D3	1
27	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L9	1346	2692	4038	5384		ABCE/*D	C4/ *D3	1
28	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L10	1299	2598	3897	5196		ABCE/*D	C4/*D3	1
29	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L11	1158	2316	3474	4632		ABCE/*D	C4/*D3	1
30	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L12	1112	2224	3336	4448		ABCE/*D	C4/*D3	1
31	WERRIS CK – WILLOW TREE MURRURUNDI - BRDMEADOW/MORANDOO	L13	776	1552	2328	3104		ABCE/*D	C4/*D3	1

<sup>(1)</sup> These loads require assistance from Willow Tree to Murrurundi. To calculate the permissible load for a given locomotive combination reference must be made to the information published in Section 2 page 3 in this manual to determine the type and number of assistant locomotives required. Loads for mixed locomotive combinations that do not require reduction can be calculated as follows —

### Example line 22, 2 x L4 category hauling 3990 tonnes.

Ruling grade between Willow Tree and Murrurundi is 1:40 therefore the load for 2 x L4 category locomotives is 2260 tonnes leaving 1730 tonnes residue. Additional locomotives would be a single L4 category(1130t) and a single L9 category (750t). Since these locomotives can be marshalled together without any load reduction a (ref. TOC manual Section 2 **General Instructions** page 3) then the new locomotive consist is 3 x L4 + 1 x L9.



UP	SECTIONAL RUNNING TIMES										FULL SECTIONAL LOADS												閚
											LOCOMOTIVE CATEGORIES = L												GRADE
	В1	C1	C2	C3	C4	D1	D2	D3	Loco	11	L2	13		L5	_				_	111	L12	113	9
WERRIS CREEK	₹	₽>	₽>	₹.	₽>	₹	₹	₽>	₽.		₽.	₽\$	₽.	<b>₽</b> \$-	₽.	₽\$	₽.	<b>₽</b>	₹.	₽>	₹.	₽.	
WERRIS CRK. STH	2	2	2	2	3	2	2	3	1		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	1:261
QUIPOLLY	9	9	10	11	12	11	11	12	6		2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:82
QUIRINDI	7	8	9	11	14	11	13	15	6		2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
#BRAEFIELD	5	6	6	7	7	7	8	9	4		2289	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
WILLOW TREE	7	8	9	9	10	10	11	12	6		2607	2405	2274	2136	1885	1837	1689	1539	1484	1325	1272	887	1:88
KANKOOL	7	8	10	14	%	10	14	&	6		1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
ARDGLEN	13	13	17	20	%	17	20	&	7		1300	1200	1131	1056	926	909	822	750	725	640	615	410	1:40
MURRURUNDI	13	13	13	14	%	14	14	&	11		3398	3138	2968	2792	2467	2400	2216	2018	1944	1741	1670	1166	1:127
MURULLA	9	10	10	10	11	12	12	13	8		2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:82
PARKVILLE	11	13	14	14	14	16	17	17	11		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
SCONE	6	7	7	7	7	7	7	7	6		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
TOGAR	6	7	7	7	7	8	8	8	5		3096	2858	2702	2541	2245	2185	2014	1835	1768	1582	1518	1059	1:112
ABERDEEN	4	5	5	5	5	6	6	6	4		2607	2405	2274	2136	1885	1837	1689	1539	1484	1325	1272	887	1:87
DARTBROOK JCT	3	3	4	4	4	4	4	5	3		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:101
MUSWELLBROOK	6	7	7	7	7	8	8	8	6		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
ST HELIERS	7	7	7	8	9	8	8	9	6		3940	3640	3443	3242	2866	2786	2576	2346	2260	2026	1943	1356	1:154
GRASS TREE	4	4	4	4	5	4	4	5	3		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:102
ANTIENE	6	6	7	8	10	7	9	11	5		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
DRAYTON JCT.	2	2	2	2	2	2	2	2	1										2658		2288	1600	Level
NEWDELL JCT.	6	8	8	8	8	9	10	10	6		2536	2339	2211	2077	1833	1786	1642	1495	1442	1288	1236	862	1:85
MT.OWEN JCT.	5	7	7	7	7	8	8	9	5		2536	2339	2211	2077	1833	1786	1642	1495	1442	1288	1236	862	1:86
CAMBERWELL JCT.	6	6	7	8	10	8	10	12	5		2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:82
SINGLETON	6	7	7	8	9	8	9	10	5		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	1:251
WHITTINGHAM	3	4	4	4	4	5	5	5	3		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	DG
MINIMBAH X/OVER	6	7	8	9	11	9	11	14	6		2414	2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:80
BRANXTON	7	8	9	9	10	10	11	12	6		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
MAITLAND	16	19	20	22	25	23	25	27	15		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:101
THORNTON	11	11	12	13	13	13	13	14	8		2990	2760	2609	2453	2167	2109	1944	1770	1707	1526	1465	1022	1:105
HEXHAM	4	5	5	5	5	6	6	6	4		2946	2720	2571	2418	2135	2079	1915	1744	1681	1503	1443	1007	1:103
K'GANG NTH JCT	4	5	5	5	5	6	6	6	4		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
K'GANG STH JCT	1	1	1	1	1	1	1	1	1_		2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
WARABROOK X/OVER	1	1	1	1	1	1	1	1	1		2654	2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:90
HANBURY JCT	1	1	1	1	1	1	1	1	1	7	2881	2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
WARATAH	1	1	1	1	2	2	2	2	1		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
XYZ X/OVER	1	1	1	1	1	1	1	1	1		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
ISLINGTON JCT	1	1	1	1	1	1	1	1	1		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
WOODVILLE JCT	1	1	1	1	1	1	1	1	1		4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
BROADMEADOW	3	3	3	3	3	3	3	3	2	ľ	4426		3869				2899				2188	1527	1:185
							1																
WARATAH					4		7				₹	₹	₹	₹	₹	₹	₹	₹	₹	₹	₹	₹	₹
PORT WARATAH											4624	4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
/MORANDOO								_															
						7																	

<sup>#</sup> Follow on location.

<sup>#</sup> Follow on location.
% Refer to Full Sectional load running times C2/C3
& Refer to Full Sectional load running times D1/D2



### ☐ Location of Speed signs

LOCATION	KILO- METRAGE	DO\ NORM		U NORM		LOCATION	KILO- METRAGE	DO NORM		UF NORM	
	For spee	d sian_	locatio	n and c	ther		235.430	115	130		
	details be						237.500			115	150
	Al	ID MAI					238.350	X25	X25		
			<mark>ION 1</mark> Speed		see	SINGLETON	238.885				
			ION 1				238.980			115	130
							239.050			X25	X25
	192 340	25	25				239.280	100	110		
MAITLAND	192.548						239.820	75	85	100	120
	192.670			25	25		241.590	-70	- 00	95	105
	192.950			X25			241.890	100	110		
	192.980		125				243.500	90	100		
	193.400	115	130				244.800			105	115
	201.950			115	130		245.810			85	95
	202.250	100	115	400	445	CAMPEDWELL	246.110	80	90		
LOCHINVAR	202.420			100	115	CAMBERWELL JCT	246.934				
LOOMINVAIN	204.290	115	125								
	204.860			115	130		247.670	100	105		
	206.290			95	110		250.610			80	90
	206.590	115	135				250,920		110		
00000	210.660	115	125				050 740	0.0	0.5		
GRETA	210.808						252.740 253.070	90	95	90	100
	211.400			115	125	MT OWEN JCTCTION	253.925			30	100
	211.700	105	110			MIT OTTEN COTOTION	200.020				
	211.810			105	115		254.500	115	130		
	212.110	115	135				256.210	100	110		
	214.120			115	130		258.910			115	130
Up sign on Down Main	215.184			X70	X35		259.770	115	105	110	115
BRANXTON	215.554						260.070 262.275	115 X35	135		
Down sign on Up Main	215.395	115	140		·	NEWDELL JCTCTION	262.305	7,00			
	217.000			115	140						
Down sign on Up Main	217.300	115	140				262.350	X35			
Up sign on Down Main	218.380			115	135	Up sign on Down Main	262.370			X25	
	218.680	105	110		105	DD AVEOU IOTOTION	272.810			115	150
Down sign on Up Main	219.880 220.180	95	110	115	125	DRAYTON JCTCTION	272.010				
Down sign on up Main	220.160			95	110		272.300	110	120		
Down sign on Up Main	221.150	105	120				273.600			105	115
Up sign on Down Main	221.560			105	110		273.900			80	90
	221.610			105	120		273.910	80	90		
	221.860	115	125			ANTIENE	273.941				
Down sign on Up Main	221.910 224.020	115	130	115	130		274.480			X50	X55
Up sign on Down Main	224.020			115	125		275.520			80	90
op oign on bonnadin	224.320	95	105		120		275.820	90	95		
Down sign on Up Main	224.320	100	115				276.170			90	95
	225.430			100	115		276.460	100	105		
Up sign on Down Main	225.430	1.070		95	105		278.740		100	100	105
Down sign on Up Main	225.600	X70	X85				279.040	115	130	115	120
	225.720 225.730	X70 115	X85 130				280.350 280.600	 X50	 X55	115	130
Down sign on Up Main	225.730	105	125				280.740	A50		 X50	X55
	225.755			X70	X85	GRASSTREE	280.909				,
Up sign on Down Main				X70	X85						
	225.875			405	125		281.000	115	130		
Up sign on Down Main	225.875 227.149			105	120						
	225.875 227.149 227.449	 115	130			A=	283.059			115	130
Up sign on Down Main  Down sign on Up Main	225.875 227.149 227.449 231.300					ST HELIERS	283.059 283.993				130
Up sign on Down Main	225.875 227.149 227.449 231.300 233.999	115 	130				283.993 284.650	50	115	115	130
Up sign on Down Main  Down sign on Up Main  WHITTINGHAM	225.875 227.149 227.449 231.300 233.999	 115  X75	130	 115 	130	ST HELIERS *On Loop	283.993 284.650 284.700	50 *X50	 115 *X55		
Up sign on Down Main  Down sign on Up Main  WHITTINGHAM  Up sign on Down Main	225.875 227.149 227.449 231.300 233.999 234.240 234.270	115  X75		115	130		283.993 284.650 284.700 284.830	50 *X50	 115 *X55	115   X50	  X55
Up sign on Down Main  Down sign on Up Main  WHITTINGHAM	225.875 227.149 227.449 231.300 233.999 234.240 234.270 234.288	 115  X75 		115	130		283.993 284.650 284.700 284.830 285.250	50 *X50	 115 *X55 	  X50	  X55
Up sign on Down Main  Down sign on Up Main  WHITTINGHAM  Up sign on Down Main	225.875 227.149 227.449 231.300 233.999 234.240 234.270	115  X75		115	130		283.993 284.650 284.700 284.830	50 *X50	 115 *X55	115   X50	  X55



### Location of Speedsigns

LOCATION	KILO-	DO	WN	U	Р	LOCATION	KILO-	DO	WN	U	Р
	METRAGE			NORM	XPT		METRAGE			NORM	XPT
	007.000	VEO	VEE				242.000			445	405
	287.960	X50	X55				342.990	100	110	115	135
*On Loop	288.020 288.110	70	75	*X50	*X55		344.290 344.810	100	110	100	110
On Łoop	288.560			70	75		345.110	115	135		
MUSWELLBROOK	288.783			70	,,,		346.550			115	135
111001111111110111	2001100						346.850	110	120		
	288.850	35	45				347.300			110	120
*On Loop	288.870	*X25	*X25				347.600	115	145		
	289.200			35	45		349.850			115	145
	289.670	105	115				350.150	115	125		
	291.750			105	115		350.490			115	125
	292.050	90	95				350.790	115	145		
	292.670			90	95		351.490	X40	X45		
	292.900	115	160	445	400	MILEDITETINE	352.230			115	145
	294.800		0.5	115	160	MURRURUNDI	352.327				
	295.110	80 100	95 110		0.5		252 520	70	0.5		
DARTBROOK JCTCTION	295.430 296.550	100	110	80	95		352.530 352.540		85	X40	X45
DAKI BROOK SCICION	250.550						352.750			70	85
	296.530			100	110		353.950		80		
	296.830	115	160				355.180			75	80
ABERDEEN	300.733	110	100				355,480	115	120		
713211	301.900			115	160		356.610			115	135
	302.200	110	125				356.910	55	60		
	302.250			X25			362.320			55	60
	302.580			110	125		362.620	60	65		
	302.880	115	160			ARDGLEN	363.278				
	306.970			115	160						
TOGAR	307.107						363.280			60	65
							363.580	55	60		
	307.720	115	160				364.130			X40	X45
	311.680			115	160		366.060			55	60
	311.980	115	120				366.360	50	55		
	312.140			115	145		367.010			50	55
	313.160	75		110	110	KANIKOOL	367.310	60	65		
	313.460 313.980	75	85	75	85	KANKOOL	368.333				
	314.180	X25	X25	75	00		368.440			60	65
*On Loop	314.315	*25	*25		**		368.740	80	85		00
SCONE	314.662	20	20				370.120			80	85
							370.420	70	80		
	315.150			50	55		370.860			70	80
	315.450	115	160				371.160	105	115		
	321.500			115	160		371.590			105	115
	321.540	X40	X45				371.890	115	120		
	321.750			60	60		373.280			115	120
PARKVILLE	321.917						373.580	115	115		
							375.000			115	
	322.690			X40	X45	14711 1 6141	375.390	X40	X45		
	323.500		4.00	115	160	WILLOW TREE	375.735				
	324.700	30	160	115	105		970 400			V40	VIP
	324.780 327.760	115		30	135		376.490 379.490			X40 X40	X45 X45
	328.060	105	445	115	135		379.460				
	330.540	105	115	105	115		379.460	115	135	115	150
	330.830	95	105				380.000		133	115	135
	331.305			95	105		380.160	115	160		
	331.610	115	120			BRAEFIELD	386.013				
	332.130			95	105						
	338.520	-	- :-	115	120		388.920			115	160
	338.820	95	105				389.220	95	100		
MURULLA	339.400						390.560			95	100
							390.860	85	95		
	339.610			95	105		391.300			85	95
	339.910	100	110				391.600	95	110		
	340.520			100	110		391.920			95	110
	340.820	95	100				392.220	115	135		
	342.160			95	100		392.280	X40	X45		
	342.460	115	135								



### Location of Speedsigns

LOCATION	KILO-	DO\	WN	UI	P
	METRAGE	NORM	XPT	NORM	XPT
QUIRINDI	392.703				
150					
	393.370			X40	X45
Quirindi Section Silo	394.523				
	397.160			115	135
	397.460	110	115		
	400.520			110	115
	400.820	115	155		
QUIPOLLY	402.014				

LOCATION	KILO-	DO			
	METRAGE	NORM	XPT	NORM	XPT
	408.300	105	105	115	150
	409.320			65	65
Werris Creek Sth Signal Box	409.742				
	410.600	X25			
WERRIS CREEK	410.844				

### Station Data

Maitland	192.548	Α	Always	Р
Lochinvar	202.601			Р
Allandale	205.925			Р
Greta	210.808			Р
Branxton	215.554	С	Controlled from Broadmeadow SCC	Р
Belford	222.678			Р
Minimbah	226.095	С	Controlled from Broadmeadow SCC	
Singleton	238.885	С	Controlled from Broadmeadow SCC	Р
Padulla	244.550			
*Camberwell Coal	246.934	С	Controlled from Broadmeadow SCC	
*Mt Owen Coal	253.925	С	Controlled from Broadmeadow SCC	
Ashton Coal	256.560	С	Controlled from Broadmeadow SCC	
Newdell Junction	262.305	C	Controlled from Broadmeadow SCC	
*Ravensworth Coal	264.960	C.	Controlled from Broadmeadow SCC	
*Newdell	265.912	C	Controlled from Broadmeadow SCC	
*Liddell Coal	267.408	C	Controlled from Broadmeadow SCC	
Drayton Junction	272.010	C	Controlled from Broadmeadow SCC	
*Drayton Coal	278.440	C	Controlled from Broadmeadow SCC	
Antiene	273.941	C	Controlled from Broadmeadow SCC	
Grasstree	280.909	С	Controlled from Broadmeadow SCC	
St Heliers	283.993	C	Controlled from Broadmeadow SCC	
Muswellbrook	288.783	C	Controlled from Broadmeadow SCC	Р
*Dartbrook Coal	296.649	С	Controlled from Broadmeadow SCC	
Aberdeen	300.733	С	Controlled from Broadmeadow SCC	Р
Togar	307.107	С	Controlled from Broadmeadow SCC	
Scone	314.662	С	Controlled from Broadmeadow SCC	Р
Parkville	321.917	С	Controlled from Broadmeadow SCC	
Murulla	339.381	С	Controlled from Broadmeadow SCC	
Murrurundi	352.327	С	Controlled from Broadmeadow SCC	Р
Ardglen	363.278	С	Controlled from Broadmeadow SCC	
Kankool	368.333	С	Controlled from Broadmeadow SCC	
Willow Tree	375.735	С	Controlled from Broadmeadow SCC	Р
Quirindi	392.703	С	Controlled from Broadmeadow SCC	Р
Quirindi Wheat Sdg	394.249			
Quipolly	402.014	С	Controlled from Broadmeadow SCC	
Werris Creek Sth Box	409.742		Sun 1000 to 1800, 2300 Sun continuous to 2300 Sat	TT
Werris Creek	410.844		Sun 1000 to 1800, 2300 Sun continuous to 2300 Sat	Р
* On Branch				

<sup>\*</sup> On Branch



### Bank Locomotive working

#### **Conditions for loaded Trains between Willow Tree and Ardglen**

1. Trains with 20 to 40 tonnes gross mass vehicles in the trailing 1000 tonnes, one bank locomotive may power; trains with 40 to 60 gross mass tonne vehicles in the trailing 1000 tonnes, two bank locomotives may power; trains with vehicles of minimum mass 60 tonne gross mass in the trailing 1000 tonnes, three bank locomotives may power. When three locomotives are used for banking, loading in front of the trailing 1000 tonnes must not comprise any vehicles

When three locomotives are used for banking, loading in front of the trailing 1000 tonnes must not comprise any vehicles with less than 15 tonnes of loading whose individual deck lengths exceed 23.7 metres whilst they are attached to vehicles less than 14.6 metres in length.

- 2. The automatic coupling lifter on the leading bank locomotive must be locked in the open position by means of the approved latching device.
- 3. The air hoses are not to be connected between the train and the bank locomotives.
- 4. An adaptor will be fitted on the rear vehicle to accommodate the flashing tail light other than in auto coupler knuckle.
- 5. Maximum train speed not to exceed 50 km/hr between Willow Tree and Ardglen.
- 6. Bank locomotives not to pass Ardglen Up Starting signals.

#### Method of operation:

- 1. Train to be stopped at allocated marker signs in the Up Refuge Loop at Willow Tree and remain with the automatic brake applied.
- 2. Bank locomotives are to compress against the rear of the train standing in the loop.
- 3. Bank locomotive Driver to notify train driver by radio when ready to assist.
- 4. Train Driver to notify Bank Locomotive driver when the starting signal is cleared and the train is ready to proceed.
- 5. When acknowledgement is received Train Driver is to release automatic brakes and bank locomotives to commence pushing.
- 6. Train Driver to begin throttling up when load meter registers approximately 400 amps, release locomotive brakes and allow train to proceed.
- 7. Maximum speed when assisted from rear not to exceed 50 km/hr. The Driver only is to control speed of train between Willow Tree and Ardglen.
- 8. Signal indicators enroute to be relayed by Train Crew to Bank Locomotive Driver.
- 9. On arrival at Ardglen the bank locomotives must only assist the train to such distance as will allow the bank locomotives to stop and remain inside the Ardglen Up Starting signals, being on either Main or Loop line.
- 10. In the event of Bank Locomotives failing to release from the rear of train at Ardglen, the train is to proceed to Murrurundi where bank locomotives are to be detached. The Bank Locomotive Driver is to notify the train Driver of the circumstances when clear of Ardglen Tunnel.
- 11. The trailing load for Marshalling Restrictions purposes behind the rear Train Locomotive, is calculated as "the train load, less the sum of the Full Sectional Loads for the operational Bank Locomotives (for the section Willow Tree to Ardglen)

In the event of failure, the train must be cleared from the section on the authority of a Special Authority Order, should the bank locomotive/s be required to return to Willow Tree with portion of the load. This must be done on the authority of a separate Special Authority Order.

### Grade control valve operation

Grade control valves are to be set to the EX position on all wagons of all trains travelling in the Northern Region with the following exceptions:

### **Section Of Track Requiring Use of Grade Control Valves**

Down North - Ardglen to Kankool

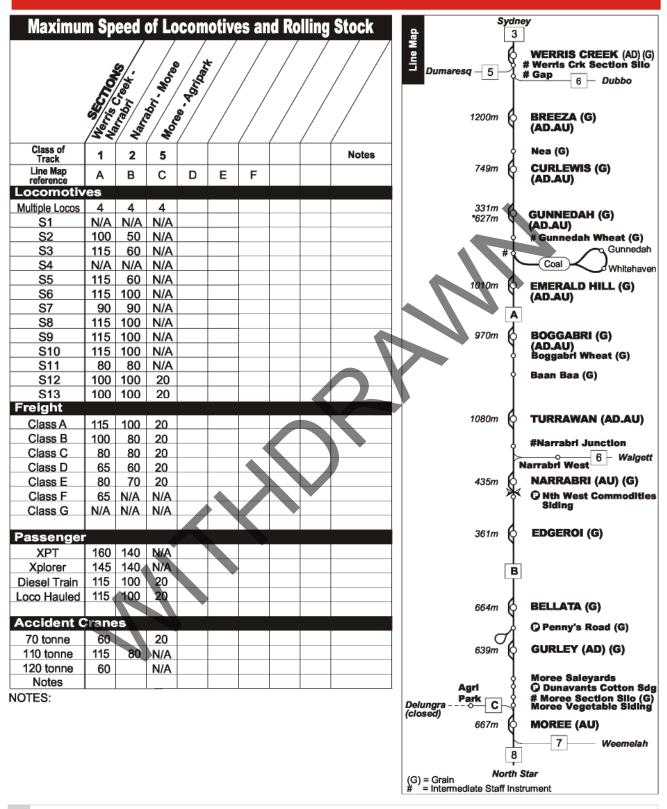
Up North - Ardglen to Murrurundi

Note: When traversing the above sections of track:

- 1. Grade control valves are to be placed in the IP position only on loaded vehicles (i.e. those with empty/load valves in the **LOADED** position).
- 2. Vehicles without load compensation are to operate in the EX position unless the mass of the vehicle is 20 tonne or more in which case the grade control valve is to be placed in the IP position.
- 3. At least 50% of the tonnage of the loaded vehicles must have operational grade control valves.

## **Werris Creek - Moree**

### section 4



	Werris Creek to Breeza	Electric Staff	Turrawan to Narrabri	Electric Staff	
	Breeza to Curlewis	Electric Staff	Narrabri to Edgeroi	Staff and Ticket	
	Curlewis to Gunnedah	Electric Staff	Edgeroi to Bellata	Staff and Ticket	
	Gunnedah to Emerald Hill	Electric Staff	Bellata to Gurley	Staff and Ticket	
	Emerald Hill to Boggabri	Electric Staff	Gurley to Moree	Electric Staff	
	Boggabri to Turrawan	Electric Staff	Moree to Agri Park	Yard Working	



D	OWN	LOCO-		LC	COMOTIV	ES		TRAIN	DATA	
LC	ADS & CONDITIONS	MOTIVE	SINGLE	DOUBLE	TRIPLE	QUAD	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES
	SECTIONS	= L		LO	ADS TONN	IES				
1	WERRIS CREEK - MOREE	L4	900	1800	2700	3600		ABC/*D	1/*6	
2										
3	WERRIS CREEK - MOREE	L11	550	1100	1650	2200		ABC/*D	2/*6	
4	WERRIS CREEK - MOREE	L13	-			850		ABC/*D	2/*6	
5										
6	WERRIS CREEK - MOREE	L4	1396	2792	4188			ABC/*D	3/ *6	
7	WERRIS CREEK - MOREE	L6	1149	2298	3447			ABC/*D	3/*6	
8	WERRIS CREEK - MOREE	L8	1024	2048	3072			ABC/*D	3/*6	
9										
10	WERRIS CREEK - MOREE	L5	1307	2614	3921			ABC/*D	4/ *6	
12	WERRIS CREEK - MOREE	L7	1125	2250	3375			ABC/*D	4/ *6	
13	WERRIS CREEK - MOREE	L9	933	1866	2799	3732		ABC/*D	4/ *6	
14	WERRIS CREEK - MOREE	L10	902	1804	2706	3608		ABC/*D	4/ *6	
15	WERRIS CREEK - MOREE	L11	800	1600	2400	3200	,	ABC/*D	4/ *6	
16	WERRIS CREEK - MOREE	L12	768	1536	2304	3072		ABC/*D	4/ *6	
17	WERRIS CREEK - MOREE	L13	380	760	1140	1520		ABC/*D	4/ *6	
18						•				
19	WERRIS CREEK - MOREE	L13	536	1072	1608	2144		ABC/*D	5/ *7	

DOWN	0.5	ECTI	ONA			NO 7		-					FUŁ	L SE	CTIC	IANC	LO	ADS				GRADE
	31	ECIII	UNA	LRU	INNI	NG	IIV/II=	-5					LOC	OMO	IIVE C	ATEG	ORIE	S = L				₹
	1	2	3	4	5	6	7	Loco	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13 L14	5
WERRIS CREEK	₽>	₽>	₽>	₽>	₽.	₽,	₽,	# ₹>			₽,	₽,	Ð	P).	Ð	₽0.	₽,	₽>	₽>	₽,	₽>	
BREEZA	21a	21a	21a	21a	21a	24a	25a	16a			2954	2793	2627	2321	2259	2083	1897	1828	1636	1570	1096	1:114
CURLEWIS	21a	21a	22a	22a	24a	26a	27a	17a			2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:93
GUNNEDAH	15a	15a	16a	17a	19a	19a	20a	13a			2227	2104	1976	1743	1699	1561	1422	1372	1224	1175	820	1:82
EMERALD HILL	15a	15a	16a	16a	17a	18a	19a	13a		7	3047	2882	2711	2395	2330	2150	1959	1887	1689	1621	1131	1:119
BOGGABRI	18a	18a	19a	19a	20a	22a	23a	15a			2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:90
TURRAWAN	28a	28a	32a	32a	37a	35a	40a	23a			1479	1396	1307	1149	1125	1024	933	902	800	768	536	1:52
NARRABRI	22a	22a	23a	23a	24a	25a	27a	18a			2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:90
EDGEROI	29a	24a	30a	27a	31a	30a	33a	20/28			<b>2</b> 659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:102
BELLATA	24a	19a	24a	20a	21a	24a	25a	15/24			2954	2793	2627	2321	2259	2083	1897	1828	1636	1570	1096	1:116
GURLEY	22a	18a	23a	19a	21a	23a	25a	15/22		$\overline{\mathbf{V}}$	2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
MOREE	33a	25a	33a	26a	28a	3 <u>3</u> a	33a	21/33			4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level

<sup>#</sup> Light locomotive running times on right hand side of column between Edgeroi and Moree apply to S2, S3 and S5 category locomotives. All dual times shown in this column are arrival times.



U	IP .	LOCO-		LO	OCOMOTIVE	ES		TRAIN	DATA	
LO	ADS & CONDITIONS	MOTIVE	SINGLE	DOUBLE	TRIPLE	QUAD	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES
	SECTIONS	= L		LO	ADS TONN	ES				
1	MOREE - WERRIS CREEK	L4	1130	2260	3390	4520		ABCE/*D	1/*6	
2										
3	MOREE – WERRIS CREEK	L10	725	1450	2175	2900		ABCE/*D	2/*6	
4	MOREE – WERRIS CREEK	L11	640	1280	1920	2560		ABCE/*D	2/*6	
5										
6	MOREE – WERRIS CREEK	L4	1995	3990	5985			ABCE/*D	3/*7	
7	MOREE – WERRIS CREEK	L6	1651	3302	4953			ABCE/*D	3/*7	
8	MOREE – WERRIS CREEK	L8	1478	2956	4434			ABCE/*D	3/*7	
9										
10	MOREE – WERRIS CREEK	L5	1872	3744	5616			ABCE/*D	4/*7	
11	MOREE – WERRIS CREEK	L7	1610	3220	4830			ABCE/*D	4/*7	
12	MOREE – WERRIS CREEK	L9	1346	2692	4038			ABCE/*D	4/*7	
13	MOREE – WERRIS CREEK	L10	1299	2598	3897			ABCE/*D	4/*7	
14	MOREE – WERRIS CREEK	L11	1158	2316	3474			ABCE/*D	4/*7	
15	MOREE – WERRIS CREEK	L12	1112	2224	3336			ABCE/*D	4/*7	
16	MOREE – WERRIS CREEK	L13	560	1120	1680	2240		ABCE/*D	4/*7	
17										
18	MOREE – WERRIS CREEK	L13	776	1552	2328	3104		ABCE/*D	5/*8	
19						-				
20	WERRIS CREEK YARD	L13	675					ABCED		1

Note 1. This load is conditional on the train being loaded while propelling. On completion of loading the locomotive would be standing adjacent to the loading bin and must receive a clear run into Werris Creek Yard.

UP		SEC	TION	NAL I	RUN	NIN	G TIM	ИES								СТІС							ADE
	1	2	3	4	5	6	7	8	Loco	1.4	10	1.2			ı	IIVE C	ATEG	ORIES	ī	1.44	140	L13 L14	S
MODEE	Ž		Ŧ).	Ž	ž	_					L2	L3	4	L5	L <sub>E</sub>	<b>₽</b> ).	T0	Fe	L10	سيجدا	ďА	TO LIA	Ŧ).
MOREE	₹>	₹>		₹>	₹>	₹>	₹	₹	#₹>			3	₹	3	₹		₹	₹>	₹>	₹>	3>	₹>	-3>
GURLEY	33a	29a	34a	31a	36a	33a	34a	36a	21/33			4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
BELLATA	22a	20a	25a	24a	28a	22a	25a	29a	15/22			2659	2514	2363	2086	2032	1871	1704	1643	1469	1410	984	1:100
EDGEROI	24a	21a	25a	24a	27a	24a	26a	28a	15/24			3481	3292	3099	2739	2664	2462	2242	2160	1935	1857	1296	1:143
NARRABRI	27a	24a	29a	26a	28a	27a	29a	31a	18/27			2339	2211	2077	1833	1786	1642	1495	1442	1288	1236	862	1:87
TURRAWAN	24a	23a	28a	28a	33a	26a	29a	33a	18a			2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:90
BOGGABRI	30a	30a	39a	40a	46a	35a	43a	50a	23a			2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:75
EMERALD HILL	18a	19a	21a	21a	25a	22a	23a	25a	15a			4274	4044	3809	3369	3274	3032	2761	2658	2386	2288	1600	Level
GUNNEDAH	16a	16a	19a	20a	24a	18a	21a	24a	13a			2449	2315	2175	1920	1870	1720	1567	1511	1350	1295	904	1:89
CURLEWIS	17a	17a	20a	20a	23a	19a	22a	24a	13a			2760	2609	2453	2167	2109	1944	1770	1707	1526	1465	1022	1:106
BREEZA	22a	22a	26a	27a	31a	25a	29a	32a	17a			2858	2702	2541	2245	2185	2014	1835	1768	1582	1518	1059	1:111
WERRIS CRK	22a	22a	31a	33a	41a	24a	33a	41a	16a			2111	1995	1872	1651	1610	1478	1346	1299	1158	1112	776	1:76

<sup>#</sup> Light locomotive running times on right hand side of column between Moree and Narrabri apply to S2, S3 and S5 category locomotives. All dual times shown in this column are arrival times.



### Location of Speed signs

LOCATION	KILO-	DO			IP	LOCATION	KILO-	DO		U	
	METRAGE	NORM	XPT	NORM	XPT		METRAGE	NORM	XPT	NORM	XPT
WERRIS CREEK	410.844						515.370			X25	X25
							515.706			85	85
	410.885	90	90				516.251	115	145		- 1.15
	411.710 415.270	115 100	130	90 115	90		519.800 520.140	115	120	115	145
GAP	416.050	100	100	110	130		522.000			115	120
-	416.600	115	140	100	105		522.335	80	90		
	431.500			115	140		524.950	115	125	80	90
	431.800	105	105		405		526.450	445	140	115	125
	432.310 432.870	115	125	105	105	Baan Baa	527.000 530.703	115	140		
BREEZA	433.937	110	120			Daaii Daa	330.703				
						TURRAWAN	547.646				
	436.175	100	110	115	125						
	436.855	115	120	100	110		562.380	445	400	115	140
	439.160 439.500	115	130	115	120		562.680 564.600	115	120		
	440.990			115	130		564.660	X25	X25	115	120
	441.400	115	140				564.680	40	40		
Nea Wheat Siding	450.164					NARRABRI JUNCTION	565.009				
	456 000			115	140		EGE 200			40	40
	456.000 456.300	115	130	115	140	Narrabri Wheat Siding	565.200 565.326			40	40
	457.000	115	115			Trail a strict string	565.511	20	20		
	457.500			115	130		565.585	80	80		
	458.000	75	80				568.280	70	75		
CURLEWIS	458.270 458.485	X25	X25				568.713 568.840	50	50		
CORLEWIS	430.403						568.860	70	75	80	80
	458.980			75	80		568.975			50	50
	458.540	115	130				569.020			80	80
	459.680		405	115	115	NARRABRI	569.240				
	460.000 469.170	115	135	115	135		569.870			30	80
	469.470	115	125	115	155		569.920	30	30		
	473.200	85	.85				569.990			30	30
	474.000			115	125		570.040	30	105		
011111	475.460	X25	X25				570.890	100	105		
GUNNEDAH	475.837					Christakos Cotton Sdg	572.841				
	475.980		\	X25	X25		575.840	90	95	100	105
	476.205	80	85				579.850	75	80	90	95
	477.330	115	160	80	80		580.370	100	115	75	80
Gunnedah Wheat Siding	477.332						585.000	100	440	100	115
Gunnedah Colliery Jun	480.153						585.310 586.180	100	110	100	110
Janitaan voillory vall							586.500	100	140		
	492.725			115	160		592.700			100	140
	493.025	80	80				593.060	100	120		
EMERALD HILL	493.360					EDGEROI	593.360 593.561			100	120
CINERALD HILL	455.500					EDGEROI	333.301				
	493.680			X25	X25		593.830	100	140	X25	X25
	494.338			80	80	BELLATA	615.468				
	494.638	115	160	445	400		200 440			100	440
	500.350 500.650	115	145	115	160		622.140 622.350			100	140 80
	501.590			115	145		ULL.000				
	501.900	115	160								
	509.600			115	160						
	509.990 514.600	115 X25	145 X25								
BOGGABRI	515.174	AZ0	A20								
	514.625	85	85								
	515.218			115	145						

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### Location of Speed signs

LOCATION	KILO-	DO	VN	UI	
	METRAGE	NORM	XPT	NORM	XPT
	634.700			100	140
	635.020	100	130		
	635.130	X25	X25		
GURLEY	635.414				
	635.690			X25	X25
	640.300			100	130
	640.600	100	105		
	641.000	80	90	100	105
	641.485	100	130	80	90
<b>Dunavants Cotton Sdg</b>	658.870				
	660.300			100	130

LOCATION	KILO-	DO			
	METRAGE	NORM	XPT	NORM	XPT
	660.300			100	130
	660.600	100	105		
Moree Wheat Siding	663.157				
	664.420			100	105
	664.860	70	70		
	665.520			70	70
MOREE	665.601				

### Station Data

	i ilioti ago	Otatao		
Werris Creek	410.844		See SECTION 3	Р
Werris Creek Bulk	411.641			G,ISI
Wheat Sidings				
Gap	416.050	U	Unattended	ISI
Breeza	433.937	U	Unattended	G,P
Nea Wheat Siding	450.164			G
Curlewis	458.485	U	Unattended	G,P
Gunnedah	475.837	Р	Sun 1000 to 1800, 2300 Sun continuous to 2300 Sat	G,P
Gunnedah Stock-	477.308			G,ISI
yards & Wheat Sdg				
Gunnedah Abattoirs	479.620			ISI
& Vickery Coal loop				
Emerald Hill	493.360	U	Unattended	G,P
Boggabri	515.174	U	Unattended	G,P
Boggabri Wheat Sdg	516.056			G
Baan Baa	530.703			G
Turrawan	547.646	U	Unattended	
Narrabri Junction	565.009			G,ISI
Narrabri	569.240	Ú	Unattended	G,P
North West	572.841			PS
Commodities Sdg				
Edgeroi	593.561	U	Unattended	G,P
Bellata	615.468	U	Unattended	G,P
Pennys Road	623.979			PS,G
Gurley	635.414	U	Unattended	G,P
Moree Sale Yards	658.379			
Dunavants Cotton Sdg	658.870			ISI,PS
Moree Silo Siding	663.157			G,ISI
Moree Vegetable Sdg	663.813			PS
Moree	665.601	U	Unattended	Р

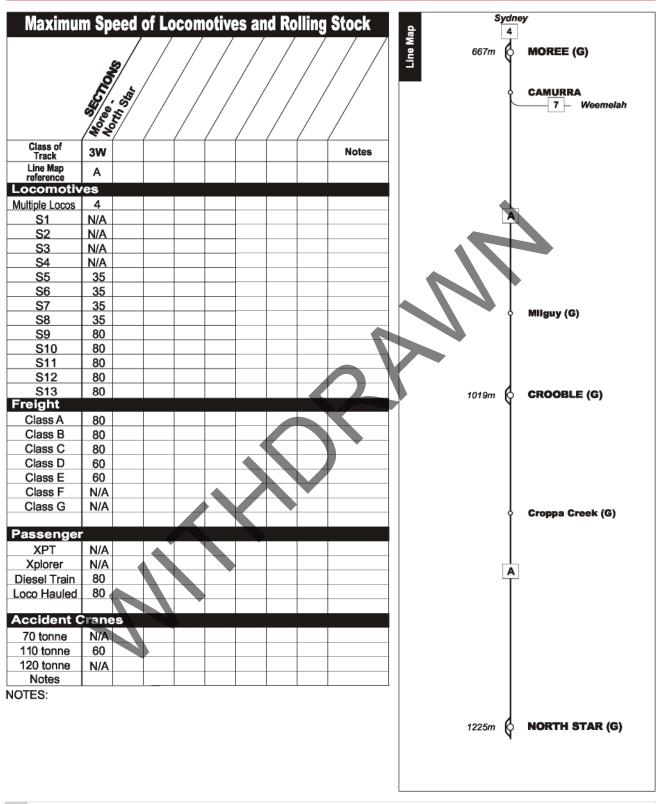
INVERELL LINE Agri park 668.500



50

## **Moree - North Star**

### section 8



Moree to Camurra Camurra to Crooble Crooble to North Star Staff and Ticket Staff and Ticket Staff and Ticket



Ŀ	OWN	LOCO-		LC	COMOTIV	≡S		TRAIN	DATA	
LC	DADS & CONDITIONS SECTIONS	MOTIVE CLASS = L	SINGLE	DOUBLE LO	TRIPLE	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES	
1	MOREE - NORTH STAR	L10	1500	3000				ABCDE	1	
2	MOREE - NORTH STAR	L13	850	1700	2550	3400		ABCDE	2	
3	MOREE - NORTH STAR	L13	1100	2200	3300	4400		ABCDE	3	
4	MOREE - NORTH STAR	L4	1000	2000	3000	4000		ABCDE	4	

DOWN	s	SECTIONAL RUNNING TIMES													L <b>LO</b>	ADS S = L				GRADE	
	1	2	3	4	5	6	7  Loco	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13 L14	5
MOREE	₽>	₽	₽	Ð			Ą			Þ	Ð	₽	Ð	₽	Þ	J.	Ð	₽>	₽	₽>	₽>
CAMURRA	17a	18a	20a	22a			12/21			4270	4000	3809	3370	3360	3260	2700	2660	2450	2290	1600	Level
Milguy	39	47	57	57			25/56			2955	2790	2627	2320	2310	2235	1900	1825	1640	1570	1100	1:120
CROOBLE	14a	16a	18a	21a			10/21			2955	2790	2627	2320	2310	2235	1900	1825	1640	1570	1100	1:118
Croppa Creek	21	25	29	31			13/30			2860	2700	2541	2245	2165	2015	1835	1770	1590	1515	1060	1:113
NORTH STAR	30a	32a	36a	48a			22/48			2860	2700	2541	2245	2160	2015	1835	1770	1590	1520	1050	1:108

<sup>#</sup> Light locomotive running times on right hand side of column between Moree and North Star apply to S5, S6, S7 and S8 category locomotives.

Ţ	JP	LOCO-		ı	OCOMOTI	VES		TRAIN	DATA	
LC	DADS & CONDITIONS SECTIONS	MOTIVE CLASS = L	SINGLE	DOUBLE L	TRIPLE	QUIN	VEHICLE CLASS	SECT RUN TIMES	NOTES	
1	NORTH STAR - MOREE	L10	1500	3000	4500	-:-		ABCDE	1	
2	NORTH STAR - MOREE	L13	850	1700	2550	3400		ABCDE	2	
3	NORTH STAR - MOREE	L13	1100	2200	3300	4400		ABCDE	3	
4	NORTH STAR - MOREE	L4	2700	5400				ABCDE	4	

UP	SI	SECTIONAL RUNNING TIMES									L SE									GRADE			
	1	2	3	4	5	6	<b>7</b>  L	ထေ	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13 L1	4	9
NORTH STAR	₹>	₽>	₽>	₽>				₽			₽>	P.	₽	₽>	₽>	₽	₽>	₽>	₽>	₽>	₽>	Т	₽>
Croppa Creek	33	37	42	51			2	1/48			2660	2510	2363	2085	2010	1870	1700	1645	1475	1410	980	1	:100
CROOBLE	21a	24a	27a	32a			1	3/30			2860	2700	2541	2245	2160	2015	1835	1770	1590	1520	1050	1	:111
Milguy	13	14	15	22			1	0/21			2955	2790	2627	2320	2310	2235	1900	1825	1640	1570	1100	1	:118
CAMURRA	33a	33a	34a	58a			2	6/57		$\overline{}$	4270	4000	3809	3370	3360	3260	2700	2660	2450	2290	1600	L	.evel
MOREE	17a	18a	21a	23a			1	2/22			4270	4000	3809	3370	3360	3260	2700	2660	2450	2290	1600	L	.evel

<sup>#</sup> Light locomotive running times on right hand side of column between North Star and Moree apply to S5, S6, S7 and S8 category locomotives.

### Location of Sharp curves

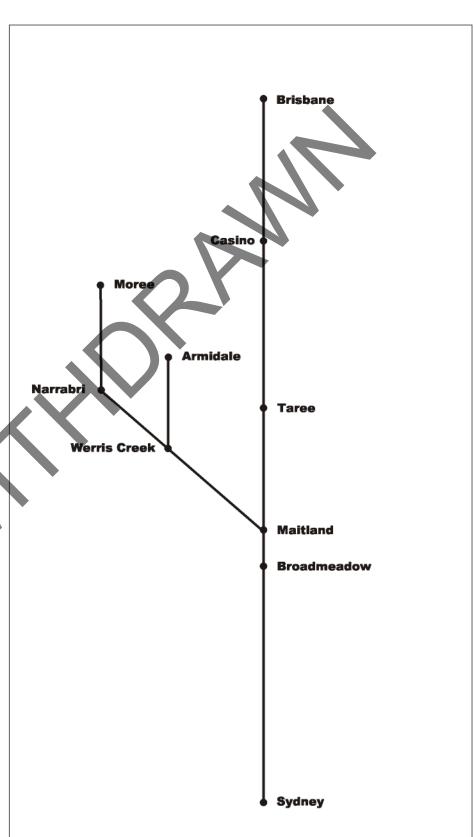
No speed signs are provided between CAMURRA and NORTH STAR. Refer to MAXIMUM SPEED OF LOCOMOTIVES AND ROLLING STOCK table for maximum speeds.

LOCATION	KILO- METRAGE	FROM START KM	TO END KM	RADIUS OF CURVE IN METRES	SPEED	LOCATION	KILO- METRAGE	FROM START KM	TO END KM	RADIUS OF CURVE IN METRES	
	000.004						700 700				
MOREE	665.601					CROPPA CREEK	733.599	740 440	740.000	400	4.5
								746.440	746.820		45
CAMURRA	676.895							746.980	747.360	400	45
		677.050	677.350	485	50						
		677.510	678.240	240	35	NORTH STAR	758.571				
MILGUY	706.818										
CROOBLE	717.906										

### A Station Data

Moree	665.601		Unattended	P
Camurra	676.895	U	Unattended	
Milguy	706.818			G
Crooble	717.906	U	Unattended	G
Croppa Creek	733.599	U	Unattended	G
North Star	758.571	U	Unattended	G

# passenger train running times





### **SYDNEY - CASINO - BRISBANE**

COLUMN	AREA	COMPOSITION
Column 1 Down	Sydney – Brisbane	XPT – 7 passenger car consist (160 km/h Max Speed)
Column 2 Down	Sydney – Casino	XPT – 7 passenger car consist (160 km/h Max Speed)
Column 3 Down	Sydney – Brisbane	XPT – 7 passenger car consist (120 km/h Max Speed)
Column 4 Down	Sydney – Casino	XPT – 7 passenger car consist (120 km/h Max Speed)

### Down

	1	2	3	4	5
Sydney	₹>	₹>	₹>	₹>	
Illawarra Jun	3	3	3	3	
Ashfield	5	5	5	5	
Strathfield	3a	3a	3a	3a	
Nth Strathfield Jun	1	1	1	1	
Rhodes	2	2	2	2	
West Ryde	3	3	3	3	
Epping	3	3	3	3	
Thornleigh	5	5	5	5	
Hornsby	4a	4a	4a	4a	
Berowra	9	9	9	9	
Cowan	3	3	3	3	
Hawkesbury River	8	8	8	8	
Woy Woy	12	12	12	12	
Gosford	7a	7a	7a	7a	
Ourimbah	7	7	7	7	
Wyong	6a	6a	6a	6a	
Wyee	7	7	7	7	
Morisset	6	6	6	6	
Awaba	10	10	10	10	
Fassifern	5a	5a	5a	5a	
Sulphide Junction	9	9	9	9	
Broadmeadow	7a	7a	7a	7a	
Woodville Junction	1	1	1	1	
Islington Junction	1	1	1	1	
Waratah	1	1	1	1	
Hanbury Jun	1	1	1	1	
Thornton	9	9	9	9	
Maitland	6a	6a	7a	7a	
Telarah	4	4	4	4	
Mindaribba	7	7	7	7	
Paterson	7	7	7	7	
Kilbride	7	7	7	7	
Wallarobba Loop	6	6	6	6	
Dungog	10	11a	10	11a	
Monkerai	8	8	8	8	
Stroud Road	10	10	10	10	
Weismantels	9	9	9	9	
Craven	10	10	10	10	
Berrico	8	8	8	8	
Gloucester	6	7a	6	7a 🎽	
Bulliac	13	13	13	13	
Bundook	9	9	9	9	
Mt George	7	7	7	7	
Killawarra	13	13	13	13	
Wingham	6	6a	6	6a	
Taree	10a	10a	10a	10a	
Melinga	11	11	11	11	
Coopernook	9	9	9	9	
Johns River	11	11	11	11	

### **Down**

	1	2	3	4	5
Johns River	₹>	₹>	₹>	₹>	
Kendall	12	12	12	12	
Kerewong	11	11	11	11	
Wauchope	7a	7a	7a	7a	
Telegraph Point	13	13	13	13	
Kundabung	9	9	9	9	
Kempsey	13a	13a	13a	13a	
Tamban	12	12	12	12	
Eungai	11	11	11	11	
Macksville	14	15a	14	15a	
Nambucca Heads	10 _	11	10	11	
Urunga	1				
Raleigh	15	15	15	15	
Bonville	7	7	7	7	
Sawtell	3a	3a	3a	3a	
Boambee Beach	3	3	3	3	
Coffs Harbour	2a	2a	2a	2a	
Landrigans	10	10	10	10	
Coramba	7	7	7	7	
Nana Glen	9	9	9	9	
Glenreagh	10	10	10	10	
Kungala	9	9	9	9	
Braunstone	12	12	12	12	
Grafton City	11a	11a	11a	11a	
Grafton	3	3	3	3	
Kyarran	10	10	10	10	
Lawrence Road	20	20	20	20	
Banyabba	3	3	3	3	
Camira Creek	7	7	8	8	
Rappville	13	13	13	13	
Leeville	10	10	10	10	
Casino	8a	8a	8a	8a	
Kyogle	22a		22a	- Ou	
Kyogle Loop	3a		3a		
Loadstone	23a		23a		
Glenapp	24a		24a		
Bromelton	30a		30a		
Greenbank	15a		15a		
Acacia Ridge	12		12		
Clapham	4		4		
Brisbane Transit	13a		13a		
Dispuis Hallalt	100		100		

a = To arrive. The next section includes starting time from that location.

All other times are passing.

When required to stop at a passing location, add one minute to that locations passing time and then add one minute to the next section.



### **BRISBANE - CASINO - SYDNEY**

COLUMN	AREA	COMPOSITION
Column 1 Up	Brisbane - Sydney	XPT – 7 passenger car consist (160 km/h Max Speed)
Column 2 Up	Casino - Sydney	XPT – 7 passenger car consist (160 km/h Max Speed)
Column 3 Up	Brisbane - Sydney	XPT – 7 passenger car consist (120 km/h Max Speed)
Column 4 Up	Casino - Sydney	XPT – 7 passenger car consist (120 km/h Max Speed)

### Up

<b>- P</b>					
	1	2	3	4	5
Brisbane Transit	₹>		₹\$		
Clapham	13		13		
Acacia Ridge	4		4		
Greenbank	12a		13a		
Bromelton	16a		16a		
Glenapp	26a		26a		
Loadstone	24a		24a		
Kyogle Loop	22a		22a		
Kyogle	2a		2a		
Casino	23a	₹>	23a	₹>	
Leeville	8	8	8	8	
Rappville	8	8	8	8	
Camira Creek	14	14	14	14	
Banyabba	10	10	10	10	
Lawrence Road	3	3	3	3	
Kyarran	18	18	18	18	
Grafton	10	10	10	10	
Grafton City	4a	4a	4a	4a	
Braunstone	11	11	11	11	
Kungala	13	13	13	13	
Glenreagh	9	9	9	9	
Nana Glen	10	10	10	10	
Coramba	9	9	9	9	
Landrigans	7	7	7	7	
Coffs Harbour	10a	10a	10a	10a	
Boambee Beach	2	2	2	2	
Sawtell	4a	4a	4a	4a	
Bonville	4	4	4	4	
Raleigh	7	7	7	7	
Urunga	4a	4a	4a	4a	
Nambucca Heads	13a	13a	13a	13a	
Macksville	11a	11a	11a	11a	
Eungai	14	14	14	14	
Tamban	11	11	11	11	
Kempsey	13a	13a	13a	13a	
Kundabung	13	13	13	13	
Telegraph Point	9	9	9	9	
Wauchope	13a	13a	13a	13a	
Kerewong	7	7	7	7	
Kendali	10	10	10	10	
Johns River	12	. 12	12	12	
Coopernook	11	11	11	11	
Melinga	9	9	9	9	
Taree	12a	12a	12a	12a	
Wingham	10	11a	10	11a	
Killawarra	6	6	6	6	
Mt George	14	14	14	14	
Bundook	6	6	6	6	
Bulliac	9	9	9	9	
	11				

### Up

Bulliac   So   To   To	3	4	5
Berrico   7			
Craven   9   9   9   9   9   9   9   9   9			
Weismantels         10         10         10         10           Stroud Road         9         9         9         9           Monkerai         10         10         10         10           Dungog         8a         7         8a         7           Wallarobba Loop         11         11         11         11           Kilbride         6         6         6         6         6           Paterson         7         7         7         7           Mindaribba         7         7         7         7           Maitland         3a         3a         3a         3a           Thornton         6         6         6         6         6           Hanbury Jun         7         7         7         7         7           Waratah         1	7	7	
Stroud Road   9   9   9   9   9   9   9   9   9		9	
Monkeral   10   10   10   10   10   Dungog   8a   7   8a   7   8a   7   Malarobba Loop   11   11   11   11   11   Milbride   6   6   6   6   6   6   6   6   6	10	10	
Dungog   8a   7   8a   7		9	
Wallarobba Loop         11         12         12         12         12         12         12         12         12         11         11         11         11         11         11         11         12			
Kilbride   6   6   6   6   6   6   6   6   6			
Paterson   7		11	
Mindaribba   7			
Telarah   7			
Maitland   3a   3a   3a   3a   3a   Thornton   6   6   6   6   6   6   6   6   6			
Thornton   6	-	_	
Hanbury Jun   7			
Waratah   1			
Islington Junction			
Woodville Junction         1         1         1         1         1           Broadmeadow         2a         2a         3a         3a           Sulphide Junction         8         8         8         8           Fassifern         8a         8a         8a         8a           Awaba         3         3         3         3           Morisset         11         11         11         11           Wyee         5         5         5         5           Wyong         8a         8a         8a         8a           Ourimbah         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9         9           Berowra         3         3         3         3         3           Hornsby         8a         8a         8a         8a           Ba         8a         8a         8a         8a			
Broadmeadow   2a   2a   3a   3a   Sulphide Junction   8   8   8   8   8   8   8   8   8	1	1	
Sulphide Junction         8         8         8         8         8           Fassifern         8a         8a         8a         8a         8a           Awaba         3         3         3         3         3           Morisset         11         12 <td></td> <td>1</td> <td></td>		1	
Fassifern         8a         8a         8a         8a           Awaba         3         3         3         3           Morisset         11         11         11         11           Wyee         5         5         5         5           Wyong         8a         8a         8a         8a           Ourimbah         6         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9         9         9           Berowra         3	3a	3a	
Awaba 3 3 3 3 3 Morisset 11 11 11 11 11 11 Wyee 5 5 5 5 5 5    Wyong 8a 8a 8a 8a 8a    Ourimbah 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8	8	
Morisset         11         11         11         11           Wyee         5         5         5         5           Wyong         8a         8a         8a         8a           Ourimbah         6         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9         9           Berowra         3         3         3         3         3           Hornsby         8a         8a         8a         8a         8a           Thornleigh         3         3         3         3         3           Epping         5         5         5         5         5           West Ryde         3         3         3         3         3           Rhodes         2         2         2         2         2           Nth Strathfield         1a         1a         1a         1a         1a         1a	8a	8a	
Wyee         5         5         5           Wyong         8a         8a         8a         8a           Ourimbah         6         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9           Berowra         3         3         3         3           Hornsby         8a         8a         8a         8a           Thornleigh         3         3         3         3           Epping         5         5         5         5           West Ryde         3         3         3         3           Rhodes         2         2         2         2           Nth Strathfield Jun         3         3         3         3           Strathfield         1a         1a         1a         1a           Ashfield         3         3         3         3           Illawarra Jun         5	3	3	
Wyong         8a         8a         8a         8a           Ourimbah         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9           Berowra         3         3         3         3           Hornsby         8a         8a         8a         8a           Thornleigh         3         3         3         3           Epping         5         5         5         5           West Ryde         3         3         3         3           Rhodes         2         2         2         2           Nth Strathfield         1a         1a         1a         1a           Ashfield         3         3         3         3           Illawarra Jun         5         5         5         5		11	
Ourimbah         6         6         6         6           Gosford         7a         7a         7a         7a           Woy Woy         6         6         6         6         6           Hawkesbury River         12         12         12         12         12           Cowan         9	5	5	
Gosford   7a   7a   7a   7a   Ya   Woy Woy   6   6   6   6   6   6   6   6   6	8a	8a	
Woy Woy         6         6         6         6           Hawkesbury River         12         12         12         12           Cowan         9         9         9         9           Berowra         3         3         3         3           Hornsby         8a         8a         8a         8a           Thornleigh         3         3         3         3           Epping         5         5         5         5           West Ryde         3         3         3         3           Rhodes         2         2         2         2           Nth Strathfield Jun         3         3         3         3           Strathfield         1a         1a         1a         1a           Ashfield         3         3         3         3           Illawarra Jun         5         5         5         5		6	
Hawkesbury River			
Hawkesbury River		_	
Cowan         9         9         9           Berowra         3         3         3         3           Hornsby         8a         8a         8a         8a           Thornleigh         3         3         3         3           Epping         5         5         5         5           West Ryde         3         3         3         3           Rhodes         2         2         2         2           Nth Strathfield Jun         3         3         3         3           Strathfield         1a         1a         1a         1a           Ashfield         3         3         3         3           Illawarra Jun         5         5         5         5			
Hornsby   8a   8a   8a   8a   Sa   Thornleigh   3   3   3   3   3   3   3   3   3			
Thornleigh 3 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5		3	
Epping 5 5 5 5 5 West Ryde 3 3 3 3 3 Rhodes 2 2 2 2 2 Nth Strathfield Jun 3 3 3 3 3 Strathfield 1a 1a 1a 1a 1a Ashfield 3 3 3 3 3 Illawarra Jun 5 5 5 5 5			
Epping 5 5 5 5 5 West Ryde 3 3 3 3 3 Rhodes 2 2 2 2 2 Nth Strathfield Jun 3 3 3 3 3 Strathfield 1a 1a 1a 1a 1a Ashfield 3 3 3 3 3 Illawarra Jun 5 5 5 5 5			
West Ryde         3         3         3           Rhodes         2         2         2           2         2         2         2           Nth Strathfield Jun         3         3         3           3         3         3         3           3         3         3         3           3         3         3         3           3         3         3         3           3         3         5         5			
Nth Strathfield Jun         3         3         3           Strathfield         1a         1a         1a           Ashfield         3         3         3           Illawarra Jun         5         5         5			
Strathfield         1a         1a         1a         1a           Ashfield         3         3         3         3           Illawarra Jun         5         5         5         5			
Ashfield 3 3 3 3 Illawarra Jun 5 5 5 5			
Illawarra Jun 5 5 5 5			
Sydney 4a 4a 4a 4a			
	4a	4a	

a = To arrive. The next section includes starting time from that location.
All other times are passing.
When required to stop at a passing location, add one minute to that locations passing time and then add one minute to the next section.



### SYDNEY - WERRIS CREEK - ARMIDALE / MOREE

COLUMN	AREA	COMPOSITION
Column 1 Down / Up	Sydney – Armidale –Sydney	Xplorer (145 km/h Max Speed)
Column 1 Down / Up	Werris Creek - Moree	Xplorer (145 km/h Max Speed)
Column 2 Down / Up	Sydney – Armidale –Sydney	Xplorer (120 km/h Max Speed)
Column 2 Down / Up	Werris Creek - Moree	Xplorer (120 km/h Max Speed)

Down					
	1	2			
Sydney Illawarra Jun	±3 3	₹>	_		
Ashfield	5	5	_		
Strathfield	3a	3a			
Nth Strathfield Jun	1	1			
Rhodes West Ryde	2	2	-		
Epping	3	3			
Thornleigh	5	5			
Hornsby Berowra	4a	4a 9			
Cowan	9	3			
Hawkesbury River	8	8			
Woy Woy	12	12			
Gosford Ourimbah	7a 7	7a 7			
Wyong	6a	6a			
Wyee	7	7			
Morisset	6	6	_		
Awaba Fassifern	10 5a	10 5a			
Sulphide Junction	9	9			
Broadmeadow	7a	7a			
Woodville Junction Islington Junction	1	1	-		
Waratah	<u></u>	-:-			
Hanbury Jun					
Thornton		 18a	_		
Maitland Branxton	16a 13	18a 13	_		· ·
Minimbah xovers					
Whittingham	.::	.::			
Singleton Camberwell Jun	13a	13a	_		
Mt Owen Jun					
Newdell Jun	15	15			
		10			
Drayton Jun					
Drayton Jun Antiene	6	6			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers				Z	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook	6 6 2 4a	6 6 2 4a		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen	6 6 2 4a 9a	6 6 2 4a 9a		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar	6 6 2 4a 9a 3	6 6 2 4a 9a 3		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville	6 6 2 4a 9a	6 6 2 4a 9a		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla	6 6 2 4a 9a 3 7a 6	6 6 2 4a 9a 3 7a 6		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla	6 6 2 4a 9a 3 7a 6	6 6 2 4a 9a 3 7a 6 10 9a		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla	6 6 2 4a 9a 3 7a 6	6 6 2 4a 9a 3 7a 6		X	
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool	6 6 2 4a 9a 3 7a 6 10 9a 11 5	6 6 2 4a 9a 3 7a 6 10 9a 11 5			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield	6 6 2 4a 9a 3 7a 6 10 9a 11 5	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 6			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi	6 6 2 4a 9a 3 7a 6 10 9a 11 5	6 6 2 4a 9a 3 7a 6 10 9a 11 5			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 6 5 7 8a	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 5 6 5 7 8a			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murula Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek West Tamworth	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 8a 25a	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 7 8a 25a			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulia Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek West Tamworth	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 6 5 7 8 8 25a 5 a	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 8a 25a 5a			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek West Tamworth Kootingal Walcha Road	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 8a 25a	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 7 8a 25a			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek West Tamworth Tamworth Kootingal Walcha Road Uralla	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 6 5 7 8a 25a 15a 48a 27a	6 6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 8a 25a 16a 48a 27a			
Drayton Jun Antiene MK53 Grasstree MK 54 St Heliers Muswellbrook Aberdeen Togar Scone Parkville Murulla Murrurundi Ardglen Kankool Wilow Tree Braefield Quirindi Quipolly Werris Creek West Tamworth Kootingal Walcha Road	6 6 2 4a 9a 3 7a 6 10 9a 11 5 5 6 5 7 8a 25a 5a 48a 27a 19a	6 6 6 2 4a 9a 3 7a 6 10 9a 11 5 5a 6 5a 7 8a 25a 5a 48a 27a 19a	CDEEL	, MAP	
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Armidale	₹ 10-	₹>			
Uralla Walcha Road	19a 27a	19a 27a			
Kootingal	41a	43a			
Tamworth	13a	13a			
West Tamworth Werris Creek	5a 25a	5a 25a			
Quipolly	8	8			
Quirindi	7a	7a			
Braefield Willow Tree	4 5a	4 5a			
Kankool	6 A	- 5a - 6			
Ardglen	6	6			
Murrurundi	11a 8	11a			
Murulla Parkville	10	10			
Scone	5a	5a			
Togar	5	5			
Aberdeen Muswellbrook	4a 8a	4a 8a			
MK 54 St Heliers	5	5			
MK53 Grasstree	2	2			
Antiene Drayton Jun	6	6	_		
Newdell Jun	6	6			
Mt Owen Jun					
Camberwell Jun Singleton	 15a	 15a			
Whittingham					
Minimbah xovers					
Branxton	13	13			
Maitland Thornton	13a	13a 			
Hanbury Jun	-:-	- :-			
Waratah					
Islington Junction Woodville Junction	19 1	19 1			
Broadmeadow	2a	2a			
Sulphide Junction	8	8			
Fassifern Awaba	8a 4	8a 4			
Morisset	12	12			
Wyee	5	5			
Wyong Ourimbah	8a 6	8a 6			
Gosford	7a	7a			
Woy Woy	6	6			
Hawkesbury River Cowan	12 12	12 12			
Berowra	3	3			
Hornsby	7a	7a			
Thornleigh Epping	3 6	<u>3</u>			
West Ryde	3	3			
Rhodes	2	2			
Nth Strathfield Jun Strathfield	3 1a	3 1a			
Ashfield	3	3			
Illawarra Jun	5	5			
Sydney	4a <b>M</b> (	4a DREE -	WERRI	S CRE	EK
Moree	₹>	₹)			
Gurley	18a	18a			
Bellata Edgeroi	16a 15a	16a 15a			
Narrabri	16a	17a			
Turrawan	14a	14a			
Boggabri Emerald Hill	20a 12a	20a 12a			
Gunnedah	11a	11a			
Curlewis	11a	11a			
Breeza Werris Creek	16a 16a	16a			
werris Creek	l loa	16a			

a = To arrive. The next section includes starting time from that location.

All other times are passing.

When required to stop at a passing location, add one minute to that locations passing time and then add one minute to the next section.