

ILLAWARRA DIVISION

Status sheet 16 (Issued December 2010)

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.

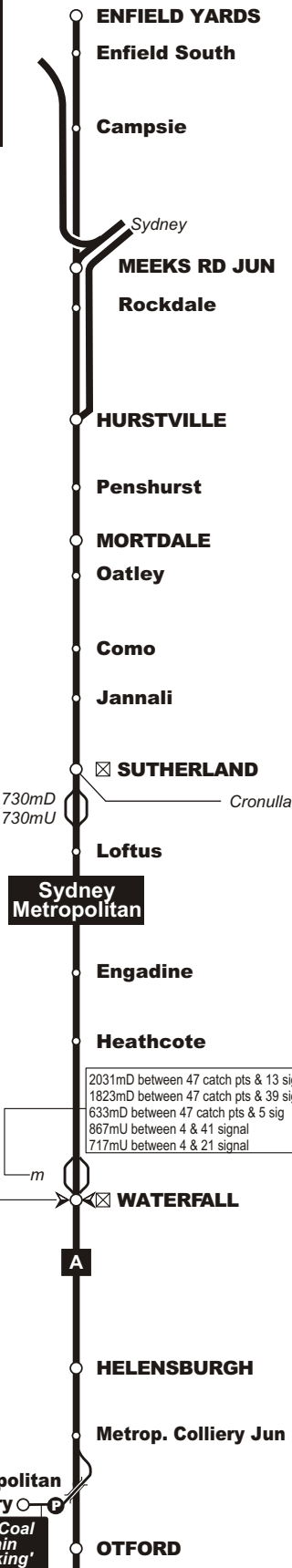
The current page will be as indicated in the 'Last Issued' column below.

status sheet
illawarra division

Page	Reprint Number	Last issued
1	15	April 2010
2	17	December 2010
3	15	April 2010
4	15	April 2010
5	15	April 2010
6	15	April 2010
7	15	April 2010
8	16	August 2010
9	17	December 2010
10	15	April 2010

ILLAWARRA Enfield Yards - Pt Kembla - Bomaderry

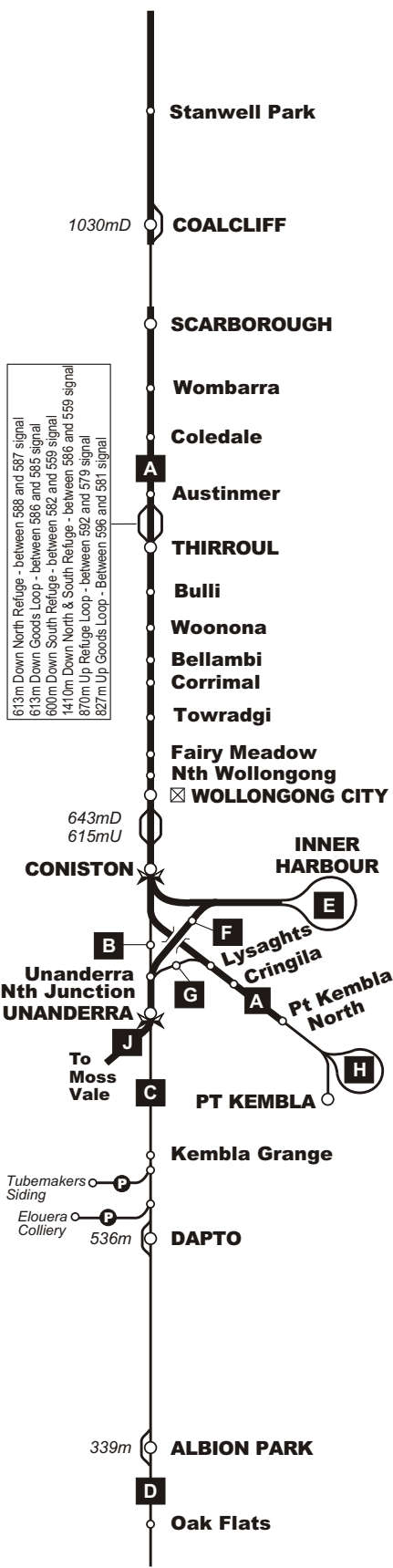
Line Map



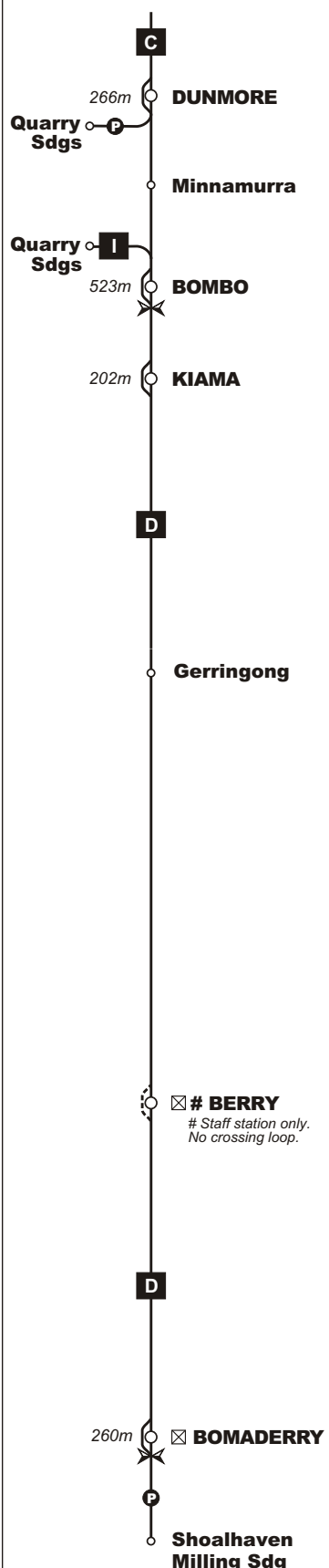
See SYDNEY METROPOLITAN AREA for further details.

Metropolitan Colliery
See 'Coal Train Working' pages

ILLMAP01



618m Down North Refuge - between 588 and 587 signal
618m Down Goods Loop - between 586 and 585 signal
600m Down South Refuge - between 582 and 559 signal
1410m Down North & South Refuge - between 586 and 559 signal
870m Up Refuge Loop - between 592 and 579 signal
827m Up Goods Loop - between 596 and 581 signal



MAXIMUM SPEED OF LOCOMOTIVES AND ROLLING STOCK

	Waterfall - Port Kembla	Coniston - Unanderra	Unanderra - Bombo	Bombo - Bomaderry	Coniston - Inner Harbour	South Frk Unanderra North Junction	Allans Creek - Unanderra North Junction	Port Kembla Balloon Loop	Quarry Siding Bombo 2	Unanderra - 91.0km Moss Vale line
Class of Line	1	1	1	2	1	1	1	1	2	1
Line Map Reference	A	B	C	D	E	F	G	H	I	J
LOCOMOTIVES										
Class	Maximum Speed Kilometres Per Hour									
90	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
L, 31	100	100	100	70(e)	25	35	60	25	15	50
C	115	100	80	80(e)	25	35	60	25	15	50
NR	100	100	80(a)	N/A	25	35	60	25	15	50
14, 81, 82, ALF, AN, BL, CLF, CLP, G, GL, RL, VL	115	100	80	80	25	35	60	25	15	50
42, 80, 80s, B, DL	115	100	80	80	25	35	60	25	15	50
18	90	90	80	80	25	35	60	25	15	50
442, 442s, 700, GM(1), GM(12), JL, S, X	115	100	80	80	25	35	60	25	15	50
22, 421, 422, 44, 45, 45s, 600, EL, FL, HL	115	100	100	100	25	35	60	25	15	50
43, 44s, 930	115	100	100	100	25	35	60	25	15	50
423	80	80	80	80	25	35	60	25	15	50
D, K, T	100	100	100	100	25	35	60	25	15	50
47, 48, 48s, 49, 830, 900, KL, MM, PL	100	100	100	100	25	35	60	25	15	50
73 (d)	70	70	70	70	25	35	60	25	15	50
46, 86 Electric	100(b)	100(b)	100(b)	80(b,c)	N/A	N/A	N/A	N/A	N/A	N/A
Multiple Locomotive working	4	4	4	4	4	4	4	4	4	4
FREIGHT										
Class A	115	115	100	100	25	35	60	25	15	50
Class B	100	100	80	80(e)	25	35	60	25	15	50
Class C	80	80	80	80	25	35	60	25	15	50
Class D	65	65	60	60	25	35	60	25	15	50
Class E	80	80	70	70	25	35	60	25	15	50
Class F	65	65	65	N/A	25	35	60	25	15	50
Class G	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PASSENGER										
XPT	160	160	140	140	25	35	60	25	15	50
XPLORER	145	145	140	140	25	35	60	25	15	50
DIESEL RAILCARS	115	115	100	100	25	35	60	25	15	50
LOCO HAULED	115	115	100	100	25	35	60	25	15	50
ACCIDENT CRANES										
110 TONNE	115	100	100	80	25	35	60	25	15	50

NOTES

- (a) NR locomotives restricted to operate between **Unanderra** and **Dunmore**.
- (b) Applies to SINGLE and distributed locomotive (separated by at least 70 metres of train). No OHW restrictions apply. Both pantographs may be raised.
- (c) Bombo to Kiama only.
- (d) Only locomotives fitted with vigilance control system are approved to operate outside shunting yards..
- (e) These locomotives and freight vehicles when loaded to axle loads greater than 22 tonnes are NOT permitted to use Berry Perway Siding.

SAFeworking SYSTEMS

WATERFALL TO BOMADERRY

Waterfall to Coal Cliff	Rail Vehicle Detection (Bi directional)
Coal Cliff to Scarborough	Rail Vehicle Detection
Scarborough to Wollongong – WG466D, WG468U	Rail Vehicle Detection (Bi directional)
Austinmer to Bulli	Thirroul Yard area
Wollongong (Unanderra North – WG1001, WG1003, WG1005, WG1007) to Unanderra	Rail Vehicle Detection (Bi directional)

Unanderra to Dapto	Rail Vehicle Detection
Dapto to Albion Park	Rail Vehicle Detection
Albion Park to Dunmore	Rail Vehicle Detection
Dunmore to Bombo	Rail Vehicle Detection
Bombo to Kiama	Rail Vehicle Detection
Kiama to Berry	Electric Staff
Berry to Bomaderry	Electric Staff

INNER HARBOUR

Wollongong (WG121D) to Inner Harbour Balloon Loop	Wollongong Yard Area	Unanderra North (WG1003, WG1005) to Inner Harbour Balloon Loop	Wollongong Yard Area
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PORT KEMBLA BRANCH

Wollongong to Port Kembla	Rail Vehicle Detection
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DOWN LOADS	SECTIONS	LOCO-MOTIVE CLASS = L	SINGLE	DOUBLE	TRIPLE	QUAD	TRAIN DATA		
							\$VEHICLE CLASS	SECT RUN TIMES	NOTES
1	SYDNEY METROP – UNANDERRA	L2	--	--	2700	--	ABC	A1	%
2	SYDNEY METROP – BOMADERRY	L2/L3/L4	--	606	--	--	ABC	C1	
3	SYDNEY METROP – BOMADERRY	L4/L5 + L2	--	606	--	--	ABC	C1	
4	SYDNEY METROP – BOMBO	L13	--	--	500	--	ABC	C1	1
5	SYDNEY METROP – PORT KEMBLA	L2	1300	2600	--	--	ABCE	C2	2
6	SYDNEY METROP – BOMADERRY	L3/L4	1131	2262	3393	4524	ABCE	C2	
7	SYDNEY METROP – BOMADERRY	L5	1056	2112	3168	4224	ABCE	C2	
8	SYDNEY METROP – BOMADERRY	L6	926	1852	2778	3704	ABCE	C2	
9	SYDNEY METROP – BOMADERRY	L7	909	1818	2727	3636	ABCE	C2	
10	SYDNEY METROP – BOMADERRY	L8	875	1750	2625	3500	ABCE	C2	
11	SYDNEY METROP – BOMADERRY	L9	750	1500	2250	3000	ABCE	C2	
12	SYDNEY METROP – BOMADERRY	L10	805	1610	--	--	ABCE	C2	
13	SYDNEY METROP – BOMADERRY	L11	660	1320	1980	2640	ABCE	C2	
14	SYDNEY METROP – BOMADERRY	L12	615	1230	--	--	ABCE	C2	
15	PORT KEMBLA – BOMADERRY	L3/L4	1200	2400	3600	--	ABC	C4	2

Notes:

- 1. Empty ballast train.
- 2. Includes Inner Harbour
- \$ Trains conveying D classification vehicles to run to C Schedule without loss of time.

DOWN	#SECTIONAL RUNNING TIMES				FULL SECTIONAL LOADS														GRADE	
	%A1	C1	C2	C4	LOCOMOTIVE CATEGORIES = L															
					Loco	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
ENFIELD																				
CAMPSIE	5	5	5		4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
WARDELL RD JCT	5	5	5		4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
MARRICKVILLE JCT	5	5	5		4	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
MEEKS RD JCT	3	3	3		3	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
WOLLI CREEK JCT	3	3	3		2	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
HURSTVILLE	11	11	12		7	1892	1743	1646	1543	1359	1328	1285	1105	1068	977	912	636			1:60
MORTDALE	2	2	3		2	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
SUTHERLAND	10	10	12		7	1300	1200	1131	1056	926	909	875	750	725	660	615	410			1:40
WATERFALL	13	13	21		12	1300	1200	1131	1056	926	909	875	750	725	660	615	410			1:40
HELENSBURGH	10	10	10		9	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
OTFORD	19	8	8		8	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
\$ COALCLIFF	23	10	11		8	2414	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820			1:80
SCARBOROUGH	11	5	5		4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
THIRROUL	9	8	7		8	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
WOLLONGONG	10	11	10		11	2414	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820			1:80
CONISTON	2	2	2		2	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
Unanderra North Jct	3	3	3		1	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131			1:120
UNANDERRA	4	3*	5	*	3	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131			1:120
WONGAWILLI JCT	To	--	--	--	--	3398	3138	2968	2792	2467	2400	2340	2018	1944	1790	1670	1166			1:125
DAPTO	Moss	8	8	8	6	3398	3138	2968	2792	2467	2400	2340	2018	1944	1790	1670	1166			1:125
ALBION PARK	Vale	9	9	9	8	2414	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820			1:80
DUNMORE		7	8	7	7	1458	1341	1265	1183	1040	1018	980	842	815	743	693	483			1:44
BOMBO		6	7	7	6	1479	1396	1307	1149	1125	1085	933	902	823	768	536				1:50
KIAMA		3	3	3	3	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984				1:100
Gerringong		--	--	--	9	1613	1523	1427	1256	1228	1186	1020	986	901	841	587				1:55
BERRY		29	29	29	10	1869	1766	1656	1459	1425	1380	1188	1147	1051	980	684				1:65
BOMADERRY		18a	18a	18a	10a	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776				1:75
Coniston – Inner Harbour																				
CONISTON																				
INNER HARBOUR					5a	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131			1:120
Coniston – Port Kembla																				
CONISTON																				
CRINGILA	5	5			4	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
PT KEMBLA NTH	2	2			2	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
PT KEMBLA/YARD	3a	3a			3a	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
Unanderra – 91.000km (Moss Vale Line)																				
UNANDERRA																				
89.200km	Refer to 'COAL TRAIN WORKING				3	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
91.000km	PAGES' for running times.				3	903	791	750	696	551	543	517	442	430	388	362	253			1:30

% A1 refers to Interstate Container trains conveying High Containers – refer to page 10

\$ Down trains starting from Down Refuge via 353 points to Scarborough are to use Coalcliff to Scarborough through running times i.e. no additional starting times required.

* From Port Kembla allow 17 minutes

For other Sydney Metropolitan area running times, refer to diagram in the 'Sydney Metropolitan Section Pages' page 4.

UP LOADS	SECTIONS	LOCO-MOTIVE CLASS = L	SINGLE	DOUBLE	TRIPLE	QUAD	TRAIN DATA		NOTES
							%VEHICLE CLASS	SECT RUN TIMES	
1	UNANDERRA – SYDNEY METROP	L2	--	--	2700	--	ABC	A1	%
2	BOMADERRY- SYDNEY METROP	L3/L4	750	1500	2250	--	ABC	C1	
3	BOMADERRY- SYDNEY METROP	L3/L4	1140	2280	3420	4560	ABCE	C2	
4	BOMADERRY- SYDNEY METROP	L6	1062	2124	3186	4248	ABCE	C2	
5	BOMADERRY- SYDNEY METROP	L7	1040	2080	3120	4160	ABCE	C2	
6	BOMADERRY- SYDNEY METROP	L8	1002	2004	3006	4008	ABCE	C2	
7	BOMADERRY- SYDNEY METROP	L9	860	1720	2580	3440	ABCE	C2	
8	BOMADERRY- SYDNEY METROP	L11	759	1518	2277	3036	ABCE	C2	
9	BOMADERRY- SYDNEY METROP	L12	708	1416	2124	2832	ABCE	C2	
10	DUNMORE – SYDNEY METROP	L2/L3/L4	1400	2800	--	--	ABCE	C2	
11	DUNMORE – SYDNEY METROP	L4/L5 +L2	--	2760	--	--	ABCE	C2	
12	DUNMORE – SYDNEY METROP	L5	--	2780	--	--	ABCE	C2	2
13	PT KEMBLA –SYDNEY METROP	L10	805	1610	--	--	ABCE	C2	1
14	PORT KEMBLA –SYDNEY METROP	L2	2230	4460	6690	--	ABC	C4	1
15	PORT KEMBLA –SYDNEY METROP	L4	2000	4000	6000	--	ABC	C5	1
16	PORT KEMBLA –SYDNEY METROP	L5	1850	3700	5550	--	ABC	C5	1

Notes:

- 1 Includes Inner Harbour
- 2 Tested and approved double unit load.
- % Trains conveying D classification vehicles to run to C Schedule without loss of time.

UP	#SECTIONAL RUNNING TIMES							FULL SECTIONAL LOADS														GRADE	
	%A1	C1	C2	C4	C5		Loco	LOCOMOTIVE CATEGORIES = L															
								1	2	3	4	5	6	7	8	9	10	11	12	13	14		
BOMADERRY																							
BERRY	15	17						11	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820				1:80
Gerringong	..	..						10	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776				1:76
KIAMA	25	27						9	1992	1882	1766	1557	1519	1473	1268	1224	1122	1047	731				1:70
BOMBO	3	4						3	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600				DG
DUNMORE	6	7						6	1607	1479	1396	1307	1149	1125	1085	933	902	823	768	536			1:50
ALBION PARK	From	7	12					7	1488	1400	1400	1208	1062	1040	1002	860	833	759	708	494			1:46
DAPTO	Moss	8	10					8	1607	1479	1400	1307	1149	1125	1085	933	902	823	768	536			1:50
WONGAWILLI JCT	Vale	--	--					--	1607	1479	1400	1307	1149	1125	1085	933	902	823	768	536			1:50
UNANDERRA		6	7					6	1607	1479	1400	1307	1149	1125	1085	933	902	823	768	536			1:50
Unanderra North Jct	4	3	3					3	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
CONISTON	2	2	2					2	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
WOLLONGONG	2	2	2	2	2			3	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			Level
CORRIMAL	5	5	6	5	6			5	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
THIRROUL	6	6	6	6	6			6	2289	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776			1:75
SCARBOROUGH	8	8	12	12	16			8	2289	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776			1:75
COALCLIFF	10	4	4	5	5			4	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131			1:120
OTFORD	24	9	9	10	12			7	2289	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776			1:75
HELENSBURGH	19	8	9	12	12			8	2289	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776			1:75
WATERFALL	10	9	19	18	20			8	2414	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820			1:80
SUTHERLAND	13	12	13	13	14			12	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131			1:120
MORTDALE	9	7	9	8	10			7	2414	2227	2104	1976	1743	1699	1650	1422	1372	1259	1175	820			1:80
HURSTVILLE	3	3	4	4	4			2	2289	2111	1995	1872	1651	1610	1563	1346	1299	1191	1112	776			1:75
WOLLI CREEK JCT	7	7	11	7	8			7	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
MEEKS RD JCT	2	2	2	2	2			2	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
MARRICKVILLE JCT	3	3	3	3	3			3	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
WARDELL RD JCT	5	5	5	5	5			4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
CAMPSIE	5	5	5	5	5			4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
ENFIELD	5	5	5	5	5			4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
Pt Kembla – Coniston																							
PT KEMBLA/YARD																							
PT KEMBLA NTH	3	3	3					3	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
CRINGILA	3	3	3					3	4624	4274	4044	3809	3369	3274	3199	2761	2658	2452	2288	1600			DG
CONISTON	5	5	5					4	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984			1:100
Inner Harbour - Coniston																							
INNER HARBOUR																							
CONISTON	7							5	2654	2449	2315	2175	1920	1870	1818	1567	1511	1388	1295	904			1:90

% A1 refers to Interstate Container trains conveying High Containers – refer to page 10

For other Sydney Metropolitan area running times, refer to diagram in the 'Sydney Metropolitan Section Pages' page 4.

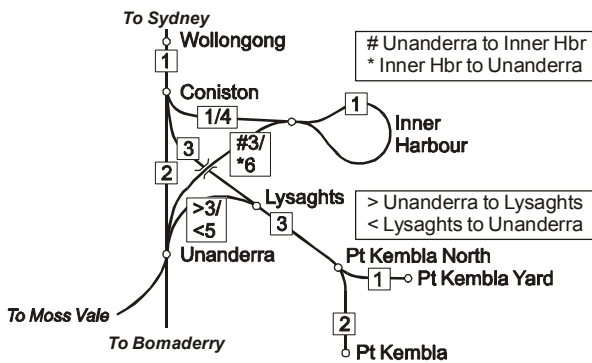
WOLLONGONG LOCAL AREA - LOADS

WOLLONGONG - PORT KEMBLA - INNER HARBOUR - UNANDERRA -

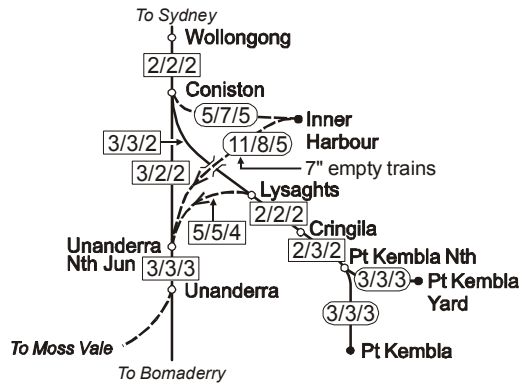
Local area Full sectional Loads

FULL LOAD TABLE	LOCOMOTIVE CATEGORY												
	①	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
1	N/A	3300	3047	2882	2711	2395	2330	2271	1959	1887	1737	1621	1131
2	N/A	3096	2858	2702	2541	2245	2185	2128	1835	1768	1627	1518	1059
3	N/A	2881	2659	2514	2363	2086	2032	1975	1704	1643	1511	1410	984
4	N/A	2654	2449	2315	2175	1920	1870	1818	1567	1511	1388	1295	904
5	N/A	1752	1613	1523	1427	1256	1228	1186	1020	986	901	841	587
6	N/A	1607	1479	1396	1307	1149	1125	1085	933	902	823	768	536

Refer to table for loads. Where only one figure is shown e.g. ① this represents the Down and Up load. Where two figures are shown the first figure represents the Down load and the second figure represents the Up load e.g. ③/⑤. This table does not give the authority for all classes of locomotives to run on all sections of line. Refer to MAXIMUM SPEED OF LOCOMOTIVES AND ROLLING STOCK table for authority to run on each section



Local area Sectional Running Times



KEY

- Down full sectional load running times
- Up full sectional load running times
- Loco running times
- Arrow indicates Down direction (for this map only)
- Running times indicated between dots
- Passing times. (Square box)
- Add one minute to next section when starting, and an additional minute into terminating stations running time.
- Arrival/departure times. (Rounded box)
- Starting and terminating running time included. i.e. additional time for starting and terminating included. Black dot indicates location.
- Non electrified lines

August 2008

LOCATION OF SPEED SIGNS

Waterfall to Thirroul

LOCATION	KILO-METREAGE	DOWN MAIN						UP MAIN					
		▼ DOWN SIGNS ▼			▲ UP SIGNS ▲			▲ UP SIGNS ▲			▼ DOWN SIGNS ▼		
		GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
WATERFALL	38.741												
	38.800	..	..	..	..	..	..	X50 60B Points Up Refuge					
	38.835	..	..	..	..	..	..	57B Points Up Refuge			X50		
	38.910	..	..	..	..	..	..	X50 57B points Up Refuge					
	39.174	..	..	..	..	..	..	50	55	60	60	75	80
	39.234	60	75	80	55	55	60						
	40.605	60	60	65	60	75	80	60	75	80	60	60	65
	40.930	55	55	55	60	60	65						
	40.980	..	..	..	..	..	..	60	60	65			
	41.602	..	..	..	..	..	..	55	55	55			
	41.656	60	60	65	55	55	55	..	..	..	60	60	65
	45.718	50	50	55	60	60	65	60	60	65	50	50	55
HELENSBURGH	46.384												
	46.549	..	..	..	..	..	..	50	50	55	60	60	65
	46.571	60	60	65	50	50	55						
Metropolitan Coll. Jct	48.947												
	49.977	55	55	60	60	60	65	60	60	65	55	55	60
	50.578	60	80	85	55	55	60	55	55	60	60	80	85
	51.832	..	..	..	60	80	85	60	80	85	50	50	55
	51.886	50	50	55	..	..	..	..	..	..	..	..	..
	52.520	..	..	..	50	50	55	..	..	..	..	..	..
OTFORD	52.639												
	52.932	60	60	65	55	55	55						
	52.967	..	..	..	..	..	..	50	50	55	60	60	65
	54.197	60	70	75	..	..	..			
	54.199	..	..	..	60	60	65	60	60	65	..	..	..
	55.426	60	60	65	60	70	75	60	70	75	60	60	65
STANWELL PARK	55.950												
Stanwell Park Viaduct	56.725	40	60	60	60	60	65	60	60	65	40	60	60
Stanwell Park Viaduct	56.877	60	60	65	40	60	60	40	60	60	60	60	65
	58.508	60	70	75	60	60	65	60	60	65	60	75	80
	58.870	50	70	75	..	..	..	..	..	..	50	75	80
COALCLIFF	59.273												
	59.829	X40	358 Points		..	..	..			
	59.870	..	..	..	60	70	75						
	59.919	..	..	..	..	..	..	60	75	80			
	59.948	^50	^50	^50	^Single line sign			..	..	..	50	50	50
	60.310	^Single line sign			^50	^50	^50	50	50	50			
	60.338	50	80	80	..	..	..	^Single line sign			^50	^80	^80
	61.337	^Single line sign			^50	^80	^80	50	80	80			
	61.360	50	50	50	..	..	..	^Single line sign			^50	^50	^50
	61.797	X50	351 Points		..	..	..			
	61.868	..	..	..	50	50	50						
	61.898	75	75	80	..	..	..			
	61.898	..	..	..	..	..	..	X50	351 Points				
	61.916	..	..	..	..	..	..	50	50	50	75	75	80
	62.340	..	..	..	50	70	70	65	70	70			
SCARBOROUGH	62.529												
	63.805	65	65	70	..	..	..	..	..	..	65	65	70
	63.806	..	..	..	65	75	80	65	75	80			
WOMBARRA	64.335												
	65.735	70	80	85	65	65	70	65	65	70	70	95	100
COLEDALE	66.233												
	67.109	70	70	75	..	..	..	..	..	..	70	70	75
	67.176	..	..	..	70	80	85	70	95	100	..	..	..
	67.496	100	115	115	70	70	75	70	70	75	100	115	115
	68.366	60	115	115	..	..	..	..	..	..	..	..	..
AUSTINMER	68.585												
	68.706	100	115	115	..	..	..			
	68.985	..	..	..	100	115	115	..	..	..	..	..	..
	69.283	..	..	..	50	90	100	..	..	..	..	..	..
THIRROUL	70.237												

LOCATION OF SPEED SIGNS

Thirroul to RailCorp Boundary (Unanderra – Moss Vale Line)

LOCATION	KILO-METRAGE	DOWN MAIN						UP MAIN					
		▼DOWN SIGNS▼			▲UP SIGNS▲			▲UP SIGNS▲			▼DOWN SIGNS▼		
		GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
	70.359	70	70	75	..	..	..	..	..	..	70	70	75
	70.625	..	..	..	100	115	115	100	115	115	..	..	..
	70.982	80	80	90	70	70	75	60	70	75	80	80	90
	71.630	..	..	..	80	80	90	80	80	90	..	..	..
BULLI	72.151												
	72.421	80	80	80	80	85	90	80	85	90	80	80	80
	73.076	75	75	85	60	85	90	60	85	90	75	75	85
	73.610	85	100	100	75	75	85	75	75	85	95	100	100
	73.899	..	..	..	..	..	..	90	90	90	..	..	..
WOONONA	73.993												
	75.472	85	90	95	85	100	100	..	..	..	..	..	..
BELLAMBI	75.547												
	75.630	90	95	95	85	90	95	..	..	..	..	..	..
	76.859	..	..	..	..	..	..	..	..	..	90	100	100
CORRIMAL	76.989												
	77.378	..	..	..	90	100	100	95	100	100	..	..	..
TOWRADGI	78.021												
	78.184	90	90	90	..	..	..	..	..	..	90	90	90
	78.452	..	..	..	90	95	95	95	95	95	..	..	..
	78.720	..	..	..	80	95	95	80	95	95	..	..	..
FAIRYMEADOW	79.358												
NORTH WOLLONGONG	81.320												
	81.438	75	90	90	..	..	..	..	..	..	75	90	90
	82.490	60	90	90	..	..	..	..	..	..	60	90	90
	82.782	..	..	..	..	..	..	95	95	95	..	..	..
	82.784	..	..	..	95	95	95	..	..	..	..	..	..
WOLLONGONG CITY	82.919												
	83.446	..	..	..	70	90	90	70	90	90	..	..	..
	83.801	..	..	..	60	90	90	60	90	90	60	65	70
CONISTON	84.097												
	84.190	X25	206 Points										
	84.190										X25	205 Points	
	84.200	60	65	65				..	..	..	..	..	..
	84.298	X25	204 Points					..	..	..	..	..	..
	84.368	..	..	..	..	..	..	60	65	65	..	..	..
	84.382	..	..	..	..	..	..	X25	204 Points		..	..	..
	84.382	..	..	..	..	..	..	..	..	..	X25	203 Points	
	84.431	..	..	..	..	..	..	X25	203 Points		..	..	..
	84.488	50	65	65	..	..	..	..	..	..	..	..	..
	85.199	..	..	..	..	..	..	65	65	65	..	..	..
	85.199	X50	1101 Points					..	..	..	..	..	..
	85.333	..	..	..	..	..	..	..	..	..	X50	1103 Points	
	85.335	..	..	..	..	..	..	X50	1101 Points		..	..	..
	85.435	..	..	..	X50	1103 Points		..	..	..	..	..	..
	85.478	100	100	100	..	..	..	..	..	..	100	100	100
Unanderra North Jct	86.541												
	87.727	..	..	..	100	100	100	100	100	100	..	..	..
	87.727	..	..	..	..	..	..	..	..	..	X50	1105 Points	
	87.850	X50	1106 Points		..	..	..	..	..	..	..	..	..
	87.850	..	..	..	X50	1105 Points		..	..	..	..	..	..
UNANDERRA	88.273												
	88.390	..	..	..	80	85	90	..	..	..	..	..	..
	88.403	..	..	..	..	..	..	80	..	90	..	..	..
	88.845	..	..	..	..	..	..	..	..	..	60	..	60
	88.853	60	..	60	..	..	..	..	..	..	..	..	..
	90.920	..	..	..	..	..	..	..	..	..	40	..	40
	90.928	40	..	40	..	..	..	..	..	..	..	..	..
	90.997	..	..	..	50	..	60	50	..	60	..	..	..
RAILCORP BOUNDARY	91.080												

LOCATION OF SPEED SIGNS

Unanderra to Bomaderry

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
87.924	..	..	..	X50	1106 Points	
87.924	50	50	50			
88.273	UNANDERRA					
88.661	100	100	100	..	..	..
88.743	X50	1115 Points		..	..	..
88.870	..	..	..	X50	1115 Points	
89.174	..	..	..	80	85	90
91.586	KEMBLA GRANGE					
93.151	85	100	100	..	..	..
93.618	100	100	100	..	..	..
94.500	..	..	..	100	100	100
95.047	DAPTO					
95.300	..	..	..	90	100	100
96.295	80	80	80	..	..	..
96.813	..	..	..	100	100	100
96.873	100	115	140	..	..	..
97.530	..	..	..	80	80	80
101.804	80	100	100	..	..	..
102.203	90	100	100	..	..	..
102.857	90	90	100	..	..	..
102.932	..	..	..	100	115	140
103.341	ALBION PARK					
103.406	..	..	..	40	40	40
103.746	100	100	100	..	..	..
103.755	..	..	..	90	90	90
105.194	100	100	110	..	..	..
105.522	OAK FLATS					
106.085	..	..	..	100	100	100
107.930	..	..	..	100	100	110
107.940	80	80	85	..	..	..
108.790	..	..	..	80	80	85
108.832	100	100	100	..	..	..
110.657	DUNMORE					
111.668	80	80	80	..	..	..
112.078	..	..	..	100	100	100
112.270	75	75	80	..	..	..
112.776	75	90	95	..	..	..
113.040	..	..	..	75	75	75
113.372	MINNAMURRA					

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
114.758	75	75	80	..	..	..
114.806	..	..	..	75	90	95
116.166	50	50	60	..	..	..
116.209	..	..	..	75	75	80
116.816	60	80	85	50	50	60
117.551	BOMBO					
117.940	..	..	..	60	80	80
117.985	60	60	65	..	..	..
118.946	25	25	25	..	..	..
118.955	..	..	..	60	60	65
119.160	KIAMA					
119.430	..	..	..	25	..	25
119.473	100	..	100	..	..	..
123.210	45	..	45	100	..	100
123.800	..	..	..	45	..	45
123.814	60	..	60	..	..	..
124.360	100	..	100	60	..	60
126.434	100	..	125	..	..	..
127.221	..	..	..	100	..	100
128.560	GERRINGONG					
129.171	100	..	100	100	..	125
131.620	100	..	140	..	..	..
131.997	..	..	..	100	..	100
134.877	100	..	100	100	..	140
139.063	80	..	80	100	..	100
139.473	..	..	..	80	..	80
140.629	..	..	..	90	..	90
140.844	BERRY					
141.250	90	..	95	..	..	..
141.720	..	..	..	80	..	80
142.272	100	..	100	90	..	95
145.886	90	..	90	100	..	100
146.436	100	..	100	90	..	90
150.540	100	..	140	..	..	..
151.000	..	..	..	100	..	100
152.290	80	..	80	..	..	..
153.169	50	..	50	100	..	140
153.348	BOMADERRY					

Coniston to Port Kembla

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
84.097	CONISTON					
84.190	X25	206 Points		..	..	..
84.190	X25	205 Points		Down Sign Up Main		
84.200	60	65	65	On Main Line		
84.298	X25	204 Points		..	..	..
84.382	..	..	..	X25	204 Points	
84.382	X25	203 Points		Down Sign Up Main		
85.045	45	75	75	55	65	65
86.267	LYSAGHTS					
86.385	55	80	80	..	..	..
86.386	..	..	..	X45	197 Points	

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
86.422	X45	195A Points		Down Sign Up Main		
86.543	Up Sign Down Main			X45	195B Points	
87.238	..	..	..	55	75	75
87.650	CRINGILA					
88.280	55	60	60	..	..	..
88.583	..	..	..	45	65	65
88.667	..	..	..	X30	186 Points	
88.771	PORT KEMBLA NORTH					
89.697	..	..	..	45	60	60
89.950	25	25	25	..	..	..
90.015	..	..	..	25	25	25
90.239	PORT KEMBLA					

Unanderra North Junction to Inner Harbour (via Flyover)

LOCATION	KILO-METRAGE	DOWN SOUTH FORK						UP SOUTH FORK					
		▼ DOWN SIGNS ▼			▲ UP SIGNS ▲			▲ UP SIGNS ▲			▼ DOWN SIGNS ▼		
		GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
85.133	100	..	..	..	..	..	40	..	..	..	..	..	..
85.318				X25	1102 Points		40	..	..	100	..	..	..

LOCATION OF SPEED SIGNS

Unanderra North Junction to Lysaghts

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
#85.318	# Illawarra Line Km			X25	1102 Points	
+84.843	X25	1102 Points		+ Triangle Loop Line		
+84.840	50	..	..	+ Triangle Loop Line		
+84.860	+ Triangle Loop Line			30	..	..

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
+86.282	+ Triangle Loop Line			50	..	..
+86.321	X45	197 Points		+ Triangle Loop Line		
86.386	Port Kembla Line			X45	197 Points	

+ Kilometrage measured back from Port Kembla Line

Coniston to Inner Harbour

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
84.097	CONISTON					
84.190	#X25	206 Points		# On Main Line		
84.190	X25	205 Points		Down Sign Up Main		

KILOMETRAGE	DOWN			UP		
	GENERAL	MEDIUM	HIGH	GENERAL	MEDIUM	HIGH
84.296	Up Sign Up Fork			X25	206 Points	
84.296	Up Sign Down Fork			X25	205 Points	

STATION DATA

Station	Kilo - metrage	Signal Box Status	Hours of Signal Box	Facilities
Waterfall	38.627	A	Always	P,WC
Helensburgh	46.384	C	Controlled from Wollongong Signal Box	P,LP
Metropolitan Coll Jct	48.947	C	Controlled from Wollongong Signal Box	L
Metropolitan Colliery	*50.221	C	* On Branch	PS
Oxford	52.639	C	Controlled from Wollongong Signal Box	P,LP
Stanwell Park	55.950			P
Coalcliff	59.273	C	Controlled from Wollongong Signal Box	P,LP
Scarborough	62.529	C	Controlled from Wollongong Signal Box	P,LP
Wombarra	64.335			P
Coedale	66.233			P
Austinmer	68.585	C	Controlled from Wollongong Signal Box	P
Thirroul	70.237	C	Controlled from Wollongong Signal Box	P,LP
Bulli	72.151	C	Controlled from Wollongong Signal Box	P
Woonona	73.993			P
Bellambi	75.547			P
Corrimal	76.989	C	Controlled from Wollongong Signal Box	P
Towradgi	78.021			P
Fairy Meadow	79.358			P
North Wollongong	81.320			P
Wollongong	82.919	C	Controlled from Wollongong Signal Box	P
Wollongong Sig Box	83.250	A	Always	
Coniston	84.097	C	Controlled from Wollongong Signal Box	P,LP
Unanderra Nth Jct	86.541	C	Controlled from Wollongong Signal Box	L
Unanderra	88.273	C	Controlled from Wollongong Signal Box	P,LP
Kembla Grange	91.586			P
Tubemakers Siding				PS
Dapto	95.047	C	Controlled from Wollongong Signal Box	P,LP
Albion Park	103.341	C	Controlled from Wollongong Signal Box	P
Oak Flats	105.522			P
Dunmore	110.657	C	Controlled from Wollongong Signal Box	P
Quarry Siding	*112.060		* On Branch	PS
Minnamurra	113.372			P
Bombo Quarry Siding	*117.212		* On Branch	PS
Bombo	117.551	C	Controlled from Wollongong Signal Box	P
Kiama	119.160	P	Controlled from Wollongong Signal Box	P,TT
Gerringong	128.560			P
Berry	140.844	P	Monday to Friday: 0430 – 2000 Saturday, Sunday, and Public Holidays: 0510 – 2105	P
Bomaderry	153.348	A	Always	P,TT
Mill Siding	*155.913		* On Branch	PS

Port Kembla Branch

Allans Creek	86.267	C	Controlled from Wollongong Signal Box	L
Cringila	87.650	C	Controlled from Wollongong Signal Box	P
Port Kembla North	88.771	C	Controlled from Wollongong Signal Box	P
Port Kembla	90.239	C	Controlled from Wollongong Signal Box	P

Inner Harbour Branch

Inner Harbour	84.488	C	Controlled from Wollongong Signal Box	G, L
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**EMERGENCY WORKING
OR DIVERSION OF
CONTAINER TRAINS
TEMPE – UNANDERRA
(en-route to and from
Moss Vale)**

The operation of container trains, on the UP and DOWN tracks between Unanderra and Tempe, (en-route to and from Moss Vale), shall comply with the following special working conditions.

These conditions **shall apply to all container trains** because of the potential for any vehicle in the consist to be loaded to the maximum allowable height above rail of **4050 mm**, as published in the TOC manual (Ref. General Instructions, Section 5 page 6 covering vehicles subject to **Note R10**).

As the UP and DOWN tracks between Tempe and Unanderra are presently only authorised for container traffic operating to a maximum height of 3916 mm above rail, all trains conveying container traffic shall operate as an **out of gauge** train. Note: This gauge infringement is in **height only and does not affect passing traffic.**

Therefore the following operating conditions shall apply:

- A maximum speed limit of **15 km/hr** is imposed on all tunnels between Unanderra and Tempe.
- The speed limit shall apply for the full length of the train (excluding locomotives).
- Train to run to Schedule A1 shown on pages 3 and 4.

Train Control is to ensure that crews operating the relevant container trains on this route are aware of the above conditions of operation.